

Mathematics: Number / Knowing (M022043 - M01_01)
 Label: Circle with same shaded fraction
 Type: MC Key: D

COUNTRY	N	DIFF	A	B	C	D	E	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	767	53.6	16.9	7.0	11.2	53.6	5.2	5.3	0.9	52.0	55.0
Armenia	623	45.8	10.7	12.7	13.6	45.8	5.3	11.9	0.0	44.9	46.7
Australia	586	75.3	15.4	2.5	2.8	75.3	2.2	1.7	0.0	77.9	73.0
Bahrain	606	61.3	21.5	4.9	8.1	61.3	1.8	1.6	0.9	61.3	61.2
Bosnia and Herzegovina	602	52.8	17.5	6.5	10.3	52.8	9.5	3.2	0.3	52.5	53.1
Botswana	602	41.5	12.0	17.8	19.0	41.5	6.4	3.2	0.2	41.7	41.2
Bulgaria	568	59.1	12.1	8.7	9.1	59.1	4.9	5.2	1.0	59.5	58.6
Chinese Taipei	573	81.3	10.2	4.7	2.1	81.3	1.5	0.2	0.1	79.9	82.6
Colombia	690	53.6	18.1	6.3	13.7	53.6	6.6	1.1	0.6	46.8	60.6
Cyprus	627	70.1	15.2	5.8	4.9	70.1	2.5	1.2	0.2	70.8	69.5
Czech Republic	693	74.2	13.1	2.6	4.1	74.2	4.4	1.7	0.0	71.8	76.3
Egypt	932	44.1	17.8	10.1	15.3	44.1	9.9	2.4	0.4	44.0	44.2
El Salvador	571	47.4	19.8	6.5	16.5	47.4	6.0	3.6	0.3	49.0	45.8
England	591	77.0	16.3	2.7	2.0	77.0	2.0	0.0	0.1	77.5	76.4
Georgia	603	50.7	17.0	4.8	16.3	50.7	8.5	1.7	1.1	52.4	49.2
Ghana	755	33.6	10.4	20.7	26.0	33.6	6.0	3.1	0.2	31.2	35.6
Hong Kong SAR	502	81.6	9.3	4.1	2.5	81.6	2.5	0.0	0.0	83.1	80.0
Hungary	583	76.8	13.8	2.9	2.8	76.8	1.6	1.8	0.3	73.2	80.4
Indonesia	608	51.7	12.6	14.2	15.3	51.7	4.5	1.3	0.4	48.8	54.6
Iran, Islamic Rep. of	572	54.7	19.7	4.6	10.0	54.7	8.2	2.7	0.0	48.2	60.1
Israel	463	65.7	17.9	4.4	4.8	65.7	4.2	2.4	0.6	64.7	66.8
Italy	626	70.3	13.9	3.6	7.5	70.3	3.6	0.6	0.4	69.3	71.3
Japan	611	85.2	7.1	1.8	3.0	85.2	1.8	0.6	0.5	83.9	86.7
Jordan	744	48.5	19.1	11.8	9.3	48.5	8.1	3.0	0.2	47.5	49.3
Korea, Rep. of	612	89.3	7.0	2.1	1.0	89.3	0.5	0.2	0.0	88.1	90.3
Kuwait	583	55.7	26.3	4.6	5.4	55.7	4.0	3.1	1.0	53.8	58.0
Lebanon	529	54.6	14.8	12.0	12.0	54.6	3.2	2.7	0.7	52.6	57.0
Lithuania	571	74.1	14.0	1.0	7.8	74.1	2.0	1.2	0.0	76.3	71.8
Malaysia	642	74.0	14.3	3.2	6.3	74.0	1.1	0.8	0.2	74.6	73.3
Malta	673	72.3	14.5	5.0	3.7	72.3	3.3	0.9	0.1	69.4	75.2
Morocco	423	55.7	13.0	11.3	9.5	55.7	4.4	5.0	1.1	52.5	59.3
Norway	651	73.3	15.2	4.7	2.4	73.3	1.9	2.2	0.3	75.4	71.1
Oman	662	46.1	17.4	16.1	11.3	46.1	6.7	2.2	0.2	48.2	43.7
Palestinian Nat'l Auth.	627	40.7	19.7	18.0	12.9	40.7	6.7	2.0	0.0	42.4	38.9
Qatar	1038	44.5	18.4	11.1	13.2	44.5	8.7	3.6	0.4	43.7	45.3
Romania	605	62.0	15.8	4.2	12.5	62.0	4.1	1.4	0.0	60.7	63.2
Russian Federation	642	73.3	10.8	2.9	8.3	73.3	3.9	0.6	0.3	73.2	73.3
Saudi Arabia	609	41.5	18.3	18.0	11.9	41.5	7.5	2.5	0.3	40.6	42.3
Scotland	575	73.5	12.5	4.1	3.6	73.5	4.8	1.5	0.0	70.4	76.6
Serbia	574	59.5	16.5	4.2	10.6	59.5	7.4	1.7	0.0	57.7	61.3
Singapore	655	80.9	11.0	2.9	2.7	80.9	2.4	0.0	0.1	81.9	79.9
Slovenia	577	72.4	17.6	2.5	3.2	72.4	4.1	0.1	0.0	66.8	77.3
Sweden	744	77.1	12.5	5.1	2.2	77.1	1.5	1.5	0.2	74.9	79.2
Syrian Arab Republic	660	51.1	19.7	7.3	14.5	51.1	5.9	1.3	0.3	42.4	61.0
Thailand	773	67.5	13.1	6.8	8.3	67.5	3.4	0.5	0.4	68.1	67.0
Tunisia	580	60.8	15.2	5.8	7.7	60.8	6.5	3.6	0.4	58.7	62.9
Turkey	630	63.9	17.6	3.3	9.9	63.9	4.5	0.5	0.1	61.7	65.5
Ukraine	637	63.2	15.6	5.8	12.0	63.2	1.9	1.5	0.0	65.9	60.6
United States	1073	80.9	9.4	3.1	3.2	80.9	1.9	0.9	0.6	80.2	81.6
International Avg.	642	62.5	15.1	6.9	8.7	62.5	4.5	2.1	0.3	61.5	63.5
Basque Country, Spain	330	76.7	15.9	2.1	2.2	76.7	1.5	1.7	0.0	74.6	78.6
British Columbia, Canada	608	80.1	10.6	3.3	3.4	80.1	1.1	1.5	0.0	77.3	83.5
Dubai, UAE	467	60.3	14.6	6.1	10.0	60.3	4.3	3.6	1.1	61.6	58.9
Massachusetts, US	276	80.5	10.2	2.5	3.1	80.5	1.2	2.2	0.4	81.7	79.1
Minnesota, US	252	84.3	9.6	3.2	2.5	84.3	0.0	0.4	0.0	83.5	85.1
Ontario, Canada	486	75.0	15.0	2.9	3.5	75.0	1.2	1.7	0.7	77.6	72.0
Quebec, Canada	561	78.8	13.2	1.5	2.5	78.8	2.7	1.0	0.3	80.4	77.5

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Number / Applying (M022046 - M01_02)
 Label: Total kilograms of seed from mixture
 Type: CR Key: -

COUNTRY	N	10	19	70	71	72	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	755	46.8	0.6	1.8	1.3	0.1	22.5	26.0	0.9	47.4	49.1	45.8
Armenia	619	67.9	0.1	0.4	0.0	0.0	12.6	19.0	0.0	68.0	63.4	72.3
Australia	586	74.2	0.0	2.9	2.0	1.1	12.4	7.1	0.3	74.2	80.9	68.2
Bahrain	606	35.1	0.0	11.7	4.3	7.4	25.4	15.1	0.9	35.1	47.2	23.6
Bosnia and Herzegovina	602	49.8	0.0	2.6	0.2	0.9	18.7	27.5	0.3	49.8	53.6	45.8
Botswana	601	49.3	0.0	1.1	2.9	4.9	35.5	5.7	0.6	49.3	50.5	48.1
Bulgaria	568	65.4	0.2	1.1	3.3	1.7	11.6	15.5	1.0	65.7	69.1	62.2
Chinese Taipei	573	88.2	0.0	0.0	3.0	0.0	5.0	3.6	0.1	88.2	89.5	86.9
Colombia	690	32.9	0.1	5.6	3.3	23.4	23.3	10.4	1.0	33.1	34.4	31.7
Cyprus	627	46.8	0.2	3.6	1.9	4.2	17.2	25.9	0.2	47.0	52.8	41.7
Czech Republic	693	79.1	0.1	2.8	3.4	0.2	11.0	3.4	0.0	79.2	82.1	76.7
Egypt	934	40.7	0.5	4.9	1.7	1.0	36.7	14.1	0.4	41.2	46.8	35.7
El Salvador	571	41.6	0.1	4.0	1.9	3.8	31.0	17.2	0.3	41.7	45.8	37.7
England	591	68.7	0.0	5.0	2.2	1.0	17.3	5.8	0.1	68.7	72.8	64.3
Georgia	603	52.1	0.0	7.0	1.8	3.8	14.7	19.4	1.1	52.1	55.4	49.3
Ghana	755	25.5	0.0	5.0	2.3	7.1	40.0	19.9	0.2	25.5	23.5	27.1
Hong Kong SAR	502	79.3	0.0	0.5	1.2	0.2	12.8	6.0	0.0	79.3	84.5	74.3
Hungary	583	65.0	0.3	2.8	2.7	1.1	14.2	13.7	0.3	65.3	70.7	60.0
Indonesia	608	52.7	0.3	0.7	1.4	2.7	30.9	10.4	0.8	53.0	56.7	49.5
Iran, Islamic Rep. of	572	45.2	0.4	4.9	1.3	8.2	25.3	14.6	0.0	45.6	50.3	41.7
Israel	463	61.7	0.1	7.3	0.8	0.0	16.8	12.6	0.6	61.9	71.5	51.3
Italy	631	68.8	0.8	2.8	1.5	0.3	12.9	12.4	0.4	69.6	71.2	68.2
Japan	611	84.9	1.2	0.6	1.2	0.6	8.0	3.1	0.5	86.0	86.5	85.5
Jordan	743	45.7	0.0	5.4	1.9	2.9	34.7	8.9	0.4	45.7	46.4	45.0
Korea, Rep. of	612	92.0	0.0	0.2	1.3	0.7	5.3	0.6	0.0	92.0	93.0	91.1
Kuwait	583	15.5	0.0	4.0	3.5	1.1	44.4	30.6	1.0	15.5	19.5	10.9
Lebanon	532	59.9	0.1	0.4	0.4	0.1	18.2	20.2	0.7	60.0	64.4	54.6
Lithuania	572	73.5	0.8	1.5	2.6	0.1	13.2	8.2	0.1	74.3	76.7	71.9
Malaysia	642	75.4	1.7	0.0	0.3	0.5	18.9	2.9	0.4	77.1	80.1	73.8
Malta	675	65.1	0.4	1.6	0.2	0.5	21.4	10.7	0.1	65.6	69.3	61.9
Morocco	440	5.2	26.7	1.8	1.7	0.4	23.1	39.8	1.2	31.9	33.7	30.0
Norway	651	70.0	0.0	2.8	2.3	0.3	17.9	6.4	0.3	70.0	72.7	67.1
Oman	662	42.0	0.1	2.5	1.2	3.0	40.6	10.3	0.2	42.1	53.5	29.6
Palestinian Nat'l Auth.	628	42.2	0.0	3.6	0.9	2.9	44.9	5.6	0.0	42.2	51.0	32.8
Qatar	1038	22.1	0.5	2.6	1.2	3.8	44.6	24.8	0.5	22.5	30.3	14.8
Romania	605	64.2	0.0	3.5	2.3	2.2	17.6	10.2	0.0	64.2	75.3	54.2
Russian Federation	642	81.7	0.0	2.4	2.7	1.1	7.4	4.5	0.3	81.7	85.4	78.0
Saudi Arabia	610	10.9	0.4	10.7	2.2	6.8	47.7	20.9	0.3	11.3	16.3	6.6
Scotland	575	63.8	0.1	5.9	3.7	1.8	17.2	7.4	0.0	63.9	65.4	62.5
Serbia	579	52.6	0.0	4.7	1.4	0.4	17.6	23.3	0.0	52.6	55.4	49.9
Singapore	655	82.2	0.5	0.0	1.6	0.0	11.3	4.3	0.1	82.7	86.1	79.7
Slovenia	577	65.0	0.0	3.3	3.4	3.2	18.6	6.4	0.0	65.0	70.0	60.7
Sweden	744	66.8	0.4	3.0	1.7	0.6	15.1	12.0	0.5	67.2	70.6	63.9
Syrian Arab Republic	660	24.3	0.0	11.7	2.9	1.5	33.9	25.4	0.3	24.3	25.3	23.2
Thailand	773	44.1	0.2	6.9	2.7	5.0	31.7	9.0	0.5	44.2	49.5	39.3
Tunisia	581	48.4	1.9	3.7	3.3	2.4	26.5	13.4	0.4	50.3	50.1	50.6
Turkey	630	53.8	0.2	5.3	2.3	8.0	20.8	9.4	0.1	54.0	57.2	51.7
Ukraine	637	71.3	0.7	7.5	1.0	1.1	10.7	7.8	0.0	72.0	76.7	67.2
United States	1073	72.3	0.3	0.2	3.2	0.6	19.6	3.1	0.6	72.7	73.5	71.8
International Avg.	642	55.8	0.8	3.6	2.0	2.5	22.0	12.9	0.4	56.6	60.3	52.9
Basque Country, Spain	330	72.8	0.0	0.6	3.7	0.8	14.2	7.7	0.3	72.8	79.0	67.2
British Columbia, Canada	608	71.4	1.4	1.8	2.7	1.6	14.6	5.9	0.6	72.8	75.8	69.1
Dubai, UAE	467	51.7	0.2	2.8	2.5	0.8	25.2	15.5	1.3	51.9	51.2	52.6
Massachusetts, US	276	76.8	0.3	0.4	2.1	0.6	15.2	4.2	0.4	77.1	75.8	78.5
Minnesota, US	252	82.6	0.0	0.1	1.9	1.0	11.5	2.9	0.0	82.6	83.1	82.1
Ontario, Canada	486	74.4	1.3	1.5	2.1	1.1	14.1	4.5	1.0	75.8	77.8	73.4
Quebec, Canada	561	79.7	0.2	0.4	2.8	0.5	8.4	7.2	0.7	80.0	81.9	78.3

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Geometry / Reasoning (M022049 - M01_03)
 Label: Rotated 3-dimensional object
 Type: MC Key: D

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	768	41.2	20.1	22.6	8.3	41.2	6.6	1.2	38.2	44.0
Armenia	623	49.4	10.6	20.4	5.8	49.4	13.7	0.0	45.8	52.9
Australia	586	69.5	8.9	15.0	2.6	69.5	3.6	0.4	64.8	73.8
Bahrain	606	39.5	19.7	29.1	7.3	39.5	3.1	1.3	38.5	40.5
Bosnia and Herzegovina	602	57.5	13.4	18.0	6.8	57.5	3.8	0.5	56.2	58.9
Botswana	601	42.5	18.7	20.0	16.1	42.5	2.0	0.7	39.1	46.1
Bulgaria	568	55.5	11.5	20.3	7.3	55.5	4.3	1.0	50.7	60.5
Chinese Taipei	573	84.4	5.2	7.1	2.9	84.4	0.3	0.1	80.8	87.8
Colombia	690	49.2	15.7	20.2	13.0	49.2	0.8	1.2	44.1	54.4
Cyprus	627	54.0	13.3	17.9	12.5	54.0	1.7	0.5	48.6	59.0
Czech Republic	693	72.1	10.7	13.5	2.4	72.1	1.3	0.0	68.8	75.0
Egypt	931	46.9	14.2	21.1	15.4	46.9	1.7	0.6	47.5	46.3
El Salvador	571	51.7	16.1	21.4	8.5	51.7	1.5	0.8	52.6	50.8
England	591	60.8	11.6	20.4	4.4	60.8	2.5	0.4	58.1	63.7
Georgia	603	60.8	10.3	18.8	7.0	60.8	1.8	1.2	53.7	66.9
Ghana	755	37.0	22.5	17.3	19.6	37.0	3.3	0.2	35.3	38.4
Hong Kong SAR	502	74.5	9.0	13.6	2.7	74.5	0.0	0.2	72.1	76.9
Hungary	583	72.2	6.1	17.0	2.9	72.2	1.6	0.3	68.7	75.6
Indonesia	608	46.1	11.6	19.5	20.8	46.1	0.7	1.3	46.9	45.2
Iran, Islamic Rep. of	572	47.1	20.6	23.8	6.0	47.1	2.5	0.0	44.6	49.2
Israel	463	55.9	14.0	22.8	3.6	55.9	2.9	0.9	54.8	57.0
Italy	627	66.1	10.6	19.5	3.0	66.1	0.4	0.4	63.9	68.1
Japan	611	80.8	6.8	9.8	1.5	80.8	0.6	0.5	78.6	83.3
Jordan	743	43.3	15.3	23.7	15.5	43.3	2.0	0.4	38.7	47.4
Korea, Rep. of	612	85.7	4.1	9.2	1.1	85.7	0.0	0.0	80.7	90.0
Kuwait	583	45.4	21.0	23.1	7.0	45.4	2.1	1.4	43.2	47.9
Lebanon	513	46.4	16.2	24.2	10.2	46.4	2.3	0.7	43.7	49.6
Lithuania	570	70.2	5.5	17.1	5.8	70.2	1.3	0.1	65.6	74.8
Malaysia	642	60.0	11.2	17.7	9.6	60.0	1.2	0.4	56.4	64.0
Malta	666	56.8	12.4	23.5	5.0	56.8	2.0	0.3	48.7	64.9
Morocco	402	51.9	20.9	13.7	7.9	51.9	3.7	1.9	54.9	48.9
Norway	651	65.2	9.5	15.7	4.5	65.2	4.8	0.3	64.5	66.0
Oman	662	44.6	14.2	26.5	12.3	44.6	2.1	0.4	48.3	40.5
Palestinian Nat'l Auth.	628	42.2	12.6	24.1	19.0	42.2	2.1	0.0	42.0	42.4
Qatar	1038	34.3	23.5	27.9	10.6	34.3	2.9	0.6	32.1	36.5
Romania	605	55.2	13.3	18.2	11.8	55.2	1.5	0.0	52.9	57.3
Russian Federation	642	72.4	5.3	14.7	5.2	72.4	2.1	0.3	65.7	79.4
Saudi Arabia	606	34.5	22.3	30.5	10.7	34.5	1.7	0.3	24.0	44.7
Scotland	575	62.7	9.8	20.8	4.2	62.7	2.5	0.0	56.5	69.0
Serbia	577	60.1	11.1	18.5	8.7	60.1	1.6	0.1	55.0	65.0
Singapore	655	71.4	10.0	13.5	4.2	71.4	0.5	0.5	70.8	71.9
Slovenia	577	71.2	7.8	14.2	2.8	71.2	3.8	0.2	65.6	76.0
Sweden	744	65.6	6.9	15.6	9.5	65.6	1.9	0.6	61.9	69.2
Syrian Arab Republic	659	44.3	22.0	24.9	7.4	44.3	0.8	0.7	36.6	53.1
Thailand	773	45.4	12.4	21.6	18.9	45.4	1.2	0.5	39.2	51.3
Tunisia	579	50.6	11.8	23.5	9.6	50.6	4.1	0.4	49.8	51.5
Turkey	630	51.8	12.7	19.3	14.2	51.8	1.7	0.3	51.5	52.1
Ukraine	637	60.9	9.2	19.4	7.6	60.9	2.7	0.2	56.9	64.9
United States	1073	63.0	10.3	18.9	5.6	63.0	1.4	0.7	62.1	64.0
International Avg.	641	56.5	12.9	19.4	8.3	56.5	2.3	0.5	53.5	59.5
Basque Country, Spain	330	67.0	10.2	16.4	3.0	67.0	3.1	0.3	66.1	67.8
British Columbia, Canada	608	63.7	8.5	21.3	4.5	63.7	1.4	0.6	55.3	74.2
Dubai, UAE	467	47.8	13.3	23.5	10.7	47.8	3.2	1.5	42.5	52.9
Massachusetts, US	276	70.4	9.4	14.9	3.5	70.4	1.1	0.8	67.9	73.2
Minnesota, US	252	74.2	7.7	15.0	2.1	74.2	1.0	0.0	70.4	78.3
Ontario, Canada	486	64.4	11.0	18.6	2.8	64.4	2.2	1.0	60.9	68.6
Quebec, Canada	561	60.1	8.2	18.4	11.2	60.1	1.4	0.7	62.7	57.9

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Algebra / Knowing (M022050 - M01_04)
 Label: Inequality equivalent to $x/3 > 8$
 Type: MC Key: E

COUNTRY	N	DIFF	A	B	C	D	E	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	766	15.2	3.3	16.4	41.6	7.7	15.2	14.4	1.4	17.2	13.3
Armenia	623	48.9	1.4	7.7	24.2	4.4	48.9	13.4	0.0	48.8	49.0
Australia	586	24.9	6.0	19.7	38.7	4.3	24.9	5.8	0.6	23.3	26.4
Bahrain	606	21.3	3.7	13.7	48.6	5.9	21.3	5.5	1.3	25.1	17.7
Bosnia and Herzegovina	601	37.9	3.3	14.3	32.2	3.8	37.9	7.9	0.5	39.5	36.3
Botswana	601	16.8	7.0	28.1	34.4	8.5	16.8	4.4	0.7	19.3	14.2
Bulgaria	568	38.2	3.0	14.9	35.1	4.7	38.2	3.1	1.0	40.5	35.9
Chinese Taipei	573	67.0	0.7	13.3	17.1	1.4	67.0	0.5	0.1	66.0	68.0
Colombia	690	23.3	5.8	16.4	38.7	10.4	23.3	3.7	1.6	24.3	22.4
Cyprus	627	38.6	3.1	18.2	29.4	6.0	38.6	4.2	0.5	41.3	36.0
Czech Republic	693	29.4	1.8	22.0	30.3	3.9	29.4	12.6	0.0	29.3	29.5
Egypt	931	25.2	5.1	20.0	33.2	12.1	25.2	3.6	0.7	25.5	25.0
El Salvador	571	12.7	4.7	17.5	51.4	6.6	12.7	6.0	1.0	11.9	13.6
England	591	25.4	4.9	17.8	39.6	7.9	25.4	4.0	0.4	26.0	24.8
Georgia	603	26.9	5.3	17.2	38.3	5.2	26.9	5.9	1.2	25.7	27.8
Ghana	755	25.2	6.9	19.9	36.4	8.4	25.2	2.8	0.3	21.6	28.2
Hong Kong SAR	502	56.3	4.1	16.5	14.8	7.3	56.3	0.8	0.2	58.9	53.7
Hungary	583	31.3	1.2	14.3	39.0	6.2	31.3	7.8	0.3	32.7	29.9
Indonesia	608	21.2	5.7	25.2	31.7	11.8	21.2	3.1	1.3	23.5	19.0
Iran, Islamic Rep. of	572	30.2	4.8	17.4	37.5	7.4	30.2	2.4	0.3	34.2	26.8
Israel	463	37.5	2.8	14.1	28.1	6.6	37.5	10.0	0.9	39.3	35.5
Italy	626	29.0	3.3	16.7	40.0	3.8	29.0	6.8	0.4	30.9	27.2
Japan	611	39.6	2.7	27.7	16.5	10.0	39.6	3.0	0.5	35.4	44.3
Jordan	743	30.9	2.1	13.1	43.4	5.5	30.9	4.7	0.4	34.5	27.7
Korea, Rep. of	612	64.2	0.5	11.0	20.6	3.8	64.2	0.0	0.0	63.7	64.6
Kuwait	583	18.3	6.8	17.9	33.2	14.5	18.3	8.1	1.4	20.8	15.4
Lebanon	529	39.9	2.1	12.3	37.9	3.4	39.9	3.6	0.8	34.7	46.4
Lithuania	572	31.1	3.1	16.4	32.9	3.8	31.1	12.5	0.1	32.0	30.1
Malaysia	643	33.8	4.3	23.5	22.0	10.8	33.8	5.1	0.5	34.7	32.7
Malta	673	31.6	1.6	21.3	35.0	5.5	31.6	4.7	0.3	32.0	31.3
Morocco	434	19.2	2.8	11.7	44.8	9.0	19.2	10.9	1.8	21.8	16.3
Norway	650	18.9	2.7	19.5	44.1	8.1	18.9	6.4	0.3	14.7	23.5
Oman	662	22.9	3.9	16.8	41.3	10.3	22.9	4.4	0.4	26.1	19.4
Palestinian Nat'l Auth.	627	27.1	6.8	12.1	42.2	8.5	27.1	3.4	0.0	32.5	21.3
Qatar	1038	17.2	7.9	21.1	40.5	10.3	17.2	2.5	0.6	20.9	13.5
Romania	605	43.9	4.2	14.9	30.8	2.6	43.9	3.7	0.0	42.7	45.0
Russian Federation	642	48.7	1.5	10.7	31.6	3.1	48.7	4.2	0.4	48.7	48.7
Saudi Arabia	610	14.9	4.5	19.0	50.9	6.2	14.9	4.2	0.3	19.3	10.7
Scotland	575	22.8	3.9	18.1	40.2	9.5	22.8	5.6	0.0	24.0	21.5
Serbia	577	39.9	3.5	11.5	31.8	4.0	39.9	9.2	0.1	44.3	35.6
Singapore	655	48.2	2.1	20.4	22.1	5.6	48.2	1.0	0.5	55.3	41.9
Slovenia	577	35.9	2.8	13.6	37.9	4.7	35.9	4.8	0.2	37.6	34.5
Sweden	744	25.9	1.9	29.2	29.9	5.5	25.9	7.0	0.6	27.6	24.4
Syrian Arab Republic	660	26.7	3.1	15.5	43.0	7.3	26.7	3.7	0.7	23.3	30.6
Thailand	773	28.9	5.2	20.1	36.8	6.0	28.9	2.4	0.5	33.0	25.1
Tunisia	580	21.9	2.5	11.8	48.3	7.8	21.9	7.3	0.4	19.7	24.2
Turkey	630	35.7	5.3	15.6	28.0	11.2	35.7	3.6	0.5	38.1	34.0
Ukraine	637	26.2	5.3	14.0	43.2	4.8	26.2	6.3	0.2	27.9	24.5
United States	1073	42.1	4.5	23.2	21.1	6.1	42.1	2.3	0.7	43.2	40.9
International Avg.	642	31.4	3.8	17.2	34.9	6.8	31.4	5.4	0.5	32.5	30.4
Basque Country, Spain	330	36.7	2.2	22.6	25.7	4.6	36.7	8.0	0.3	39.5	34.2
British Columbia, Canada	608	30.9	4.3	24.7	27.3	8.4	30.9	3.9	0.6	31.3	30.3
Dubai, UAE	467	34.0	3.9	20.0	27.6	9.2	34.0	3.8	1.5	33.0	35.0
Massachusetts, US	276	51.5	3.7	18.5	17.3	3.8	51.5	4.4	0.8	50.5	52.5
Minnesota, US	252	40.6	4.6	25.1	23.7	4.9	40.6	1.1	0.0	42.5	38.7
Ontario, Canada	486	30.8	3.1	20.9	34.7	5.8	30.8	3.7	1.0	29.7	32.1
Quebec, Canada	561	30.1	2.4	22.8	29.9	7.5	30.1	6.6	0.7	31.3	29.1

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Geometry / Applying (M022055 - M01_05)
 Label: Perimeter of square from area
 Type: CR Key: -

COUNTRY	N	10	70	71	72	73	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	649	13.6	8.2	0.5	5.4	9.8	36.2	24.0	2.2	13.6	12.4	14.9
Armenia	622	63.6	0.3	0.3	0.3	0.0	18.9	16.6	0.0	63.6	58.8	68.3
Australia	586	23.0	11.1	6.7	7.2	15.2	24.6	11.4	0.8	23.0	16.6	28.8
Bahrain	606	13.7	5.0	7.6	5.8	9.3	38.5	18.3	1.7	13.7	14.5	12.9
Bosnia and Herzegovina	602	40.5	2.0	2.7	1.8	8.5	20.8	22.9	0.7	40.5	39.3	41.8
Botswana	601	5.9	12.1	2.7	6.0	27.9	39.4	4.8	1.2	5.9	6.0	5.9
Bulgaria	568	37.2	3.2	2.2	3.6	7.5	19.7	25.3	1.3	37.2	36.5	37.9
Chinese Taipei	573	65.7	2.5	6.9	1.9	4.0	15.9	3.0	0.1	65.7	65.9	65.5
Colombia	690	7.5	7.8	2.8	3.7	14.0	34.1	27.7	2.3	7.5	5.5	9.6
Cyprus	627	42.6	10.4	4.7	3.9	4.2	16.4	16.9	0.7	42.6	46.2	39.3
Czech Republic	693	34.2	5.3	8.8	2.1	10.4	21.9	17.2	0.0	34.2	33.7	34.7
Egypt	933	28.4	6.3	3.8	5.0	7.2	35.8	12.6	0.9	28.4	30.5	26.3
El Salvador	571	1.1	4.8	2.3	2.5	9.0	33.2	45.2	1.9	1.1	1.5	0.8
England	591	37.3	13.8	8.2	4.8	5.6	22.4	7.2	0.7	37.3	37.2	37.4
Georgia	603	34.5	3.5	5.7	4.7	7.3	18.1	24.5	1.8	34.5	34.4	34.6
Ghana	754	3.2	3.3	4.6	3.4	11.2	38.1	35.8	0.4	3.2	1.7	4.4
Hong Kong SAR	502	56.9	6.2	13.6	1.0	2.2	14.4	5.5	0.2	56.9	54.6	59.2
Hungary	583	34.8	2.6	7.8	3.9	3.9	24.0	22.8	0.3	34.8	34.5	35.2
Indonesia	606	13.2	3.2	3.3	0.5	4.1	53.1	20.5	2.0	13.2	15.8	10.7
Iran, Islamic Rep. of	572	16.3	7.1	1.9	4.8	22.8	33.8	13.0	0.3	16.3	17.8	15.1
Israel	463	25.1	5.0	3.1	5.1	9.7	26.4	24.5	1.2	25.1	27.0	22.9
Italy	631	60.5	3.8	5.0	0.8	2.3	15.5	11.0	1.2	60.5	59.8	61.1
Japan	611	32.6	7.1	15.4	5.7	6.5	21.8	10.4	0.5	32.6	28.3	37.4
Jordan	743	18.0	3.3	5.5	6.6	9.6	42.2	13.8	1.0	18.0	18.9	17.2
Korea, Rep. of	612	60.6	3.7	4.5	2.3	2.3	22.4	4.2	0.0	60.6	59.8	61.3
Kuwait	583	1.0	2.1	1.5	5.9	9.9	49.5	28.5	1.6	1.0	1.7	0.3
Lebanon	533	25.2	3.6	1.8	2.8	9.8	30.9	25.2	0.8	25.2	23.4	27.3
Lithuania	572	44.0	9.1	5.3	3.8	7.8	18.3	11.0	0.7	44.0	42.4	45.6
Malaysia	643	24.4	9.6	4.6	1.5	14.0	31.5	13.3	1.1	24.4	24.8	23.9
Malta	674	30.5	8.7	5.3	6.9	11.4	27.3	9.4	0.4	30.5	24.4	36.6
Morocco	440	12.4	3.8	2.3	2.6	4.9	30.5	41.3	2.2	12.4	11.4	13.4
Norway	651	26.1	8.3	3.0	6.7	10.2	32.6	12.8	0.3	26.1	25.6	26.7
Oman	662	5.6	3.8	2.5	9.6	16.7	48.3	12.7	0.8	5.6	6.1	4.9
Palestinian Nat'l Auth.	628	11.7	4.3	6.9	7.7	8.2	54.0	7.3	0.0	11.7	10.9	12.6
Qatar	1038	0.8	3.3	3.5	9.8	9.3	51.0	21.7	0.6	0.8	1.3	0.4
Romania	605	49.6	4.1	3.0	1.0	9.6	17.2	15.3	0.2	49.6	54.1	45.7
Russian Federation	642	48.3	8.9	4.9	4.4	3.0	15.1	14.9	0.5	48.3	45.8	50.9
Saudi Arabia	610	2.1	1.1	2.0	8.7	17.4	48.8	18.9	1.1	2.1	0.8	3.3
Scotland	575	20.9	8.7	8.7	5.7	13.5	24.3	18.2	0.2	20.9	18.0	23.7
Serbia	579	47.3	3.3	4.7	4.5	2.8	16.2	21.1	0.1	47.3	54.4	40.5
Singapore	655	71.7	5.1	5.0	0.9	1.2	13.4	2.1	0.7	71.7	74.3	69.3
Slovenia	577	30.7	4.6	6.8	6.4	10.0	30.9	10.4	0.2	30.7	27.1	33.8
Sweden	744	39.8	7.3	5.3	2.9	7.1	24.3	12.5	0.9	39.8	37.0	42.5
Syrian Arab Republic	660	24.4	5.0	3.1	4.8	8.4	35.8	17.7	0.7	24.4	20.1	29.3
Thailand	773	17.7	17.8	6.9	4.1	12.2	27.4	13.2	0.7	17.7	18.7	16.8
Tunisia	581	12.8	13.2	1.8	4.7	8.8	37.0	21.3	0.4	12.8	11.7	13.9
Turkey	630	23.7	15.2	4.5	7.4	11.4	24.5	12.7	0.5	23.7	26.8	21.5
Ukraine	637	27.4	9.8	1.9	4.4	8.3	23.6	24.3	0.3	27.4	25.3	29.4
United States	1073	26.8	12.6	9.1	4.3	12.2	29.2	4.9	0.9	26.8	23.7	30.1
International Avg.	640	28.5	6.4	4.8	4.4	9.0	29.2	16.9	0.8	28.5	27.9	29.1
Basque Country, Spain	330	28.9	8.5	12.6	3.2	8.1	22.8	15.2	0.7	28.9	31.5	26.6
British Columbia, Canada	608	33.2	12.9	6.6	6.0	5.5	25.2	10.0	0.6	33.2	31.2	35.8
Dubai, UAE	467	22.6	3.5	3.6	5.3	11.4	38.4	13.7	1.5	22.6	20.8	24.3
Massachusetts, US	276	50.7	6.8	9.1	2.3	6.1	18.7	5.5	0.8	50.7	47.3	54.6
Minnesota, US	252	40.4	11.9	8.9	2.6	9.0	25.8	1.0	0.5	40.4	35.3	45.7
Ontario, Canada	486	30.9	10.3	8.2	6.0	7.4	27.7	8.0	1.6	30.9	26.4	36.3
Quebec, Canada	561	44.8	10.4	8.5	2.2	3.5	20.3	8.3	2.1	44.8	45.4	44.2

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Number / Applying (M022057 - M01_06)
 Label: Approximate tons of fertilizer sold
 Type: MC Key: C

COUNTRY	N	DIFF	A	B	C	D	E	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	766	34.4	19.1	11.4	34.4	16.5	6.2	9.7	2.7	33.5	35.2
Armenia	624	47.5	12.4	9.2	47.5	6.5	4.3	20.1	0.0	45.6	49.3
Australia	586	73.1	7.7	7.2	73.1	5.6	2.3	3.2	0.8	69.0	76.9
Bahrain	606	48.0	7.0	11.5	48.0	19.1	7.3	5.3	1.8	49.4	46.7
Bosnia and Herzegovina	602	65.6	9.2	6.4	65.6	6.5	1.3	10.2	0.7	64.4	66.9
Botswana	600	37.7	9.1	11.3	37.7	22.9	12.2	5.4	1.4	39.0	36.3
Bulgaria	568	61.7	9.7	11.0	61.7	5.4	2.9	8.0	1.3	59.3	64.3
Chinese Taipei	573	64.8	16.9	5.8	64.8	8.0	3.5	1.0	0.1	61.7	67.7
Colombia	690	61.1	6.7	10.5	61.1	9.5	5.7	3.6	2.8	59.5	62.8
Cyprus	627	66.8	7.9	7.8	66.8	8.7	4.8	3.3	0.7	62.3	70.9
Czech Republic	693	73.1	10.3	7.1	73.1	4.3	1.4	3.9	0.0	65.9	79.6
Egypt	933	46.3	10.0	10.7	46.3	19.0	9.9	3.3	0.9	45.0	47.5
El Salvador	571	56.6	5.3	9.1	56.6	14.6	7.4	4.5	2.6	52.9	60.4
England	591	72.7	12.1	4.8	72.7	6.0	2.1	1.6	0.7	69.5	76.1
Georgia	603	52.0	10.3	15.0	52.0	5.2	5.0	10.6	1.8	48.4	55.2
Ghana	755	29.2	8.7	17.6	29.2	22.2	13.8	7.7	0.8	26.9	31.0
Hong Kong SAR	502	72.1	10.0	5.5	72.1	8.0	3.2	1.0	0.2	73.9	70.4
Hungary	583	67.4	15.2	5.9	67.4	7.8	2.2	1.1	0.4	61.0	73.6
Indonesia	607	52.5	9.5	10.8	52.5	11.8	5.4	7.8	2.2	52.0	52.9
Iran, Islamic Rep. of	572	50.6	7.4	8.4	50.6	18.4	10.5	4.3	0.4	47.4	53.3
Israel	463	62.9	12.2	6.6	62.9	9.3	2.4	5.5	1.2	59.5	66.7
Italy	630	69.4	6.9	6.8	69.4	6.1	2.2	7.4	1.2	65.0	73.5
Japan	611	74.2	11.4	5.2	74.2	7.2	1.1	0.4	0.5	73.6	74.9
Jordan	744	45.4	9.9	10.7	45.4	18.3	9.1	5.6	1.0	42.8	47.8
Korea, Rep. of	612	78.3	12.4	3.4	78.3	3.8	1.9	0.2	0.0	72.8	83.1
Kuwait	583	49.7	9.2	15.9	49.7	11.2	3.7	8.7	1.6	52.9	46.1
Lebanon	528	47.7	8.6	9.4	47.7	18.8	5.4	9.2	0.9	46.5	49.1
Lithuania	570	69.3	14.2	4.6	69.3	6.2	1.1	3.9	0.7	66.2	72.4
Malaysia	643	66.2	8.1	7.0	66.2	11.4	4.0	2.0	1.3	64.4	68.2
Malta	675	64.3	14.0	5.0	64.3	11.2	2.9	2.1	0.4	62.3	66.3
Morocco	430	51.7	7.2	9.4	51.7	15.9	6.7	6.7	2.5	49.9	53.6
Norway	651	71.4	8.7	6.8	71.4	7.5	1.7	3.5	0.4	68.5	74.6
Oman	662	39.4	10.5	11.3	39.4	21.0	9.1	7.8	0.8	36.4	42.6
Palestinian Nat'l Auth.	625	40.8	10.6	11.5	40.8	20.8	13.4	2.9	0.2	44.3	37.0
Qatar	1038	39.1	9.9	14.1	39.1	22.5	12.0	1.8	0.7	41.2	37.0
Romania	604	62.9	9.2	5.0	62.9	15.5	4.1	2.8	0.5	61.6	64.1
Russian Federation	642	76.9	7.0	6.2	76.9	3.1	1.1	5.3	0.5	73.2	80.7
Saudi Arabia	610	42.3	10.6	11.8	42.3	17.3	13.2	3.7	1.1	41.5	43.0
Scotland	575	70.2	8.1	10.9	70.2	6.1	2.3	2.2	0.2	67.6	72.9
Serbia	576	65.7	7.3	7.8	65.7	6.9	2.2	9.8	0.1	61.8	69.4
Singapore	655	84.0	5.6	3.3	84.0	4.7	1.1	0.5	0.7	86.2	82.0
Slovenia	577	76.5	6.7	7.6	76.5	4.7	2.4	2.0	0.2	73.6	79.0
Sweden	744	72.8	11.7	5.7	72.8	5.2	1.1	2.4	1.0	69.6	75.9
Syrian Arab Republic	660	46.4	10.0	12.2	46.4	19.2	8.5	3.0	0.7	45.3	47.5
Thailand	773	61.6	6.6	13.2	61.6	12.2	3.1	2.6	0.7	62.1	61.1
Tunisia	582	56.2	10.2	12.3	56.2	11.3	5.0	4.5	0.5	53.1	59.6
Turkey	630	56.6	4.5	8.1	56.6	13.7	7.5	9.1	0.5	53.8	58.6
Ukraine	637	69.7	8.2	8.5	69.7	6.4	1.5	5.4	0.3	65.5	73.9
United States	1073	69.8	12.7	6.3	69.8	6.3	2.9	1.0	1.0	64.7	75.4
International Avg.	642	59.5	9.7	8.9	59.5	11.2	5.0	4.8	0.9	57.4	61.5
Basque Country, Spain	330	65.4	13.2	7.3	65.4	6.3	3.5	3.2	1.1	62.5	68.0
British Columbia, Canada	608	76.3	9.7	4.4	76.3	6.1	1.0	1.9	0.7	75.7	77.0
Dubai, UAE	466	58.3	11.5	8.3	58.3	10.8	4.4	5.1	1.7	53.6	62.6
Massachusetts, US	276	67.6	16.6	6.0	67.6	5.3	1.2	2.5	0.8	65.2	70.3
Minnesota, US	252	74.0	20.1	1.7	74.0	3.3	0.0	0.5	0.5	72.6	75.4
Ontario, Canada	486	69.9	13.5	5.4	69.9	7.4	0.9	1.3	1.6	64.3	76.4
Quebec, Canada	561	70.3	14.6	4.1	70.3	3.8	1.9	3.3	2.1	66.4	73.7

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Data and Chance / Applying (M022257 - M01_07)
 Label: Probability of drawing blue bead
 Type: MC Key: C

COUNTRY	N	DIFF	A	B	C	D	E	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	768	59.6	10.0	9.4	59.6	10.5	2.8	4.5	3.3	66.0	53.4
Armenia	624	45.9	11.3	12.7	45.9	8.6	5.3	16.2	0.0	42.3	49.3
Australia	586	44.6	19.8	21.1	44.6	8.6	2.6	2.5	0.8	36.9	51.6
Bahrain	606	28.0	16.9	25.2	28.0	12.3	11.9	3.8	1.9	27.8	28.2
Bosnia and Herzegovina	602	35.1	19.4	19.6	35.1	9.5	2.7	12.8	0.9	35.8	34.4
Botswana	600	33.6	24.4	16.0	33.6	13.4	6.8	3.9	1.9	35.3	31.8
Bulgaria	568	44.2	9.2	24.0	44.2	11.0	3.4	6.7	1.5	47.1	41.2
Chinese Taipei	573	83.0	7.0	5.8	83.0	2.4	1.3	0.5	0.1	82.9	83.0
Colombia	690	25.2	17.5	26.8	25.2	15.0	6.9	5.2	3.4	26.0	24.3
Cyprus	627	55.1	11.5	15.3	55.1	8.7	4.4	4.4	0.7	54.7	55.4
Czech Republic	693	48.1	15.9	18.7	48.1	9.6	1.1	6.5	0.2	52.5	44.3
Egypt	931	45.9	17.4	13.9	45.9	12.1	7.3	2.2	1.1	52.8	39.2
El Salvador	571	19.7	19.1	30.3	19.7	14.1	7.2	6.7	2.8	18.4	21.1
England	591	54.8	22.1	11.0	54.8	6.2	4.3	0.9	0.7	55.6	53.9
Georgia	603	34.6	15.3	20.2	34.6	12.5	3.7	11.8	1.8	38.1	31.7
Ghana	755	25.7	24.7	17.3	25.7	18.0	7.9	5.4	1.1	23.4	27.5
Hong Kong SAR	502	83.3	4.6	5.4	83.3	3.1	2.6	0.8	0.2	84.4	82.2
Hungary	583	46.3	17.2	21.5	46.3	7.2	2.5	4.8	0.5	46.3	46.2
Indonesia	607	43.6	14.8	17.1	43.6	12.8	4.2	5.3	2.2	45.1	42.1
Iran, Islamic Rep. of	572	30.2	15.8	25.4	30.2	13.9	9.3	5.1	0.4	29.5	30.7
Israel	463	45.6	17.1	16.7	45.6	11.0	2.0	6.4	1.2	44.8	46.4
Italy	631	63.9	11.2	12.0	63.9	5.4	2.1	3.8	1.6	66.4	61.7
Japan	611	66.8	15.2	11.5	66.8	4.0	1.2	0.8	0.5	62.1	72.1
Jordan	744	38.1	19.2	16.7	38.1	11.5	8.9	4.5	1.1	42.4	34.2
Korea, Rep. of	612	81.0	10.8	4.5	81.0	2.5	0.9	0.2	0.0	83.9	78.5
Kuwait	583	30.8	14.1	25.2	30.8	11.2	7.6	9.3	1.7	29.3	32.4
Lebanon	531	45.3	18.6	9.3	45.3	10.8	5.4	9.2	1.3	38.2	54.1
Lithuania	572	45.8	25.9	19.5	45.8	3.9	0.8	3.4	0.7	45.7	45.8
Malaysia	643	65.5	8.7	8.7	65.5	4.6	8.8	2.4	1.4	67.7	63.0
Malta	675	53.6	24.0	12.2	53.6	5.4	2.6	1.5	0.6	51.0	56.3
Morocco	438	24.8	18.5	18.1	24.8	18.1	6.2	11.7	2.6	24.1	25.5
Norway	651	42.2	20.5	20.0	42.2	10.7	2.3	4.0	0.4	41.5	42.9
Oman	662	36.9	23.7	15.6	36.9	10.0	8.8	3.8	1.4	37.6	36.0
Palestinian Nat'l Auth.	625	39.4	19.6	16.6	39.4	14.7	7.1	2.4	0.2	43.4	35.1
Qatar	1038	28.9	21.2	22.1	28.9	15.5	9.4	2.2	0.7	30.5	27.4
Romania	605	37.6	28.3	15.6	37.6	10.7	3.6	3.6	0.6	40.9	34.7
Russian Federation	642	60.5	14.1	11.4	60.5	6.9	2.4	4.2	0.5	61.8	59.2
Saudi Arabia	610	24.7	17.1	20.7	24.7	17.4	15.4	3.4	1.3	22.8	26.5
Scotland	575	49.4	17.3	18.9	49.4	10.2	1.5	2.5	0.3	46.4	52.3
Serbia	579	42.1	15.4	19.1	42.1	9.8	2.5	9.9	1.2	43.4	40.8
Singapore	655	86.0	4.3	3.9	86.0	2.9	2.0	0.2	0.7	89.2	83.3
Slovenia	577	46.4	15.9	20.1	46.4	12.6	2.3	2.5	0.2	46.9	46.0
Sweden	744	50.1	18.4	18.0	50.1	8.0	2.1	2.2	1.3	48.1	52.1
Syrian Arab Republic	659	24.6	29.7	23.9	24.6	13.0	5.2	3.0	0.7	22.9	26.4
Thailand	773	44.5	12.3	21.4	44.5	13.2	5.5	2.3	0.7	51.0	38.4
Tunisia	582	31.5	17.7	21.1	31.5	17.3	6.5	5.1	0.8	31.9	31.1
Turkey	630	44.5	13.8	13.6	44.5	12.5	8.8	6.2	0.7	45.9	43.6
Ukraine	637	41.4	18.0	21.5	41.4	10.9	3.4	4.2	0.7	44.1	38.6
United States	1073	50.0	25.2	13.8	50.0	5.1	3.7	1.1	1.1	47.7	52.6
International Avg.	642	45.5	16.9	16.9	45.5	10.2	4.8	4.6	1.1	46.0	45.1
Basque Country, Spain	330	61.0	11.2	12.0	61.0	6.5	5.2	3.1	1.1	59.3	62.5
British Columbia, Canada	608	59.1	12.3	17.4	59.1	7.2	1.5	1.6	0.9	59.3	58.8
Dubai, UAE	466	43.8	14.6	20.5	43.8	9.7	3.6	5.6	2.2	46.2	41.6
Massachusetts, US	276	65.1	19.3	7.0	65.1	3.6	1.3	2.4	1.3	62.3	68.4
Minnesota, US	252	56.0	24.1	12.1	56.0	4.1	1.7	1.6	0.5	47.2	65.1
Ontario, Canada	486	55.0	19.5	14.3	55.0	5.3	2.2	2.1	1.6	52.8	57.6
Quebec, Canada	561	69.3	14.0	8.3	69.3	4.5	0.4	1.3	2.1	69.2	69.5

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Geometry / Applying (M022062 - M01_08)
 Label: Value of angle in congruent triangle
 Type: MC Key: B

COUNTRY	N	DIFF	A	B	C	D	E	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	767	34.5	31.2	34.5	13.2	6.3	7.6	3.9	3.3	33.9	35.1
Armenia	621	43.6	23.3	43.6	9.5	5.6	3.7	14.3	0.0	43.3	44.0
Australia	586	34.9	43.7	34.9	6.6	4.1	5.5	4.4	0.9	31.9	37.6
Bahrain	606	34.0	42.9	34.0	8.4	3.6	7.9	1.3	2.1	36.2	31.8
Bosnia and Herzegovina	602	30.2	40.0	30.2	10.2	2.1	6.5	9.8	1.2	29.7	30.7
Botswana	600	11.7	46.4	11.7	10.0	10.4	15.5	4.0	1.9	14.5	8.8
Bulgaria	568	34.4	38.7	34.4	12.0	4.3	5.3	3.7	1.6	30.9	38.0
Chinese Taipei	573	77.2	16.2	77.2	4.0	1.3	1.1	0.2	0.1	80.0	74.3
Colombia	690	15.1	49.6	15.1	11.0	5.9	11.7	2.7	4.1	14.2	16.0
Cyprus	627	30.1	49.8	30.1	8.3	4.1	5.5	1.3	0.9	29.1	31.1
Czech Republic	693	40.6	43.4	40.6	5.8	3.2	5.2	1.5	0.3	41.8	39.5
Egypt	931	37.6	31.7	37.6	10.0	6.8	12.0	0.9	1.1	40.2	35.0
El Salvador	571	12.2	31.4	12.2	15.9	9.3	23.3	4.6	3.3	10.8	13.6
England	591	39.7	41.5	39.7	7.7	4.2	4.8	1.4	0.7	38.4	41.1
Georgia	602	20.3	46.8	20.3	13.2	4.2	10.9	2.7	1.9	19.1	21.3
Ghana	755	14.4	43.0	14.4	14.9	6.1	15.8	4.4	1.5	12.5	15.9
Hong Kong SAR	502	58.5	31.3	58.5	4.3	3.7	1.5	0.6	0.2	62.0	55.0
Hungary	583	41.1	37.5	41.1	10.9	4.2	2.9	2.9	0.5	41.6	40.7
Indonesia	608	14.5	58.6	14.5	9.0	5.2	8.5	1.8	2.5	12.4	16.6
Iran, Islamic Rep. of	572	35.4	34.2	35.4	12.4	5.6	8.0	3.7	0.7	35.3	35.4
Israel	463	35.1	40.1	35.1	7.8	3.7	6.1	5.6	1.6	40.1	29.7
Italy	630	32.1	46.9	32.1	8.1	3.2	3.5	4.6	1.6	28.0	36.1
Japan	611	71.1	25.8	71.1	1.2	0.2	1.2	0.1	0.5	70.0	72.2
Jordan	744	30.0	42.0	30.0	9.0	4.4	11.8	1.5	1.2	29.6	30.4
Korea, Rep. of	612	81.1	15.6	81.1	1.7	1.2	0.3	0.0	0.0	84.1	78.6
Kuwait	583	24.9	42.1	24.9	9.2	10.7	10.3	1.1	1.7	23.9	26.0
Lebanon	529	52.6	34.6	52.6	3.8	1.6	3.4	2.5	1.4	46.0	60.6
Lithuania	572	38.9	48.0	38.9	4.8	1.8	2.1	3.5	0.8	41.6	36.2
Malaysia	643	31.5	45.2	31.5	8.9	6.3	4.1	2.5	1.6	29.6	33.4
Malta	674	35.8	43.7	35.8	6.7	3.7	7.2	2.3	0.6	36.0	35.7
Morocco	431	31.8	26.3	31.8	13.6	7.5	12.7	4.1	3.9	31.0	32.7
Norway	651	35.0	44.0	35.0	8.6	3.8	4.1	3.8	0.7	36.8	33.0
Oman	662	19.3	44.0	19.3	10.8	5.6	14.7	3.8	1.9	20.5	18.0
Palestinian Nat'l Auth.	625	32.4	32.0	32.4	11.3	5.6	16.3	2.1	0.2	36.2	28.3
Qatar	1038	19.7	32.9	19.7	15.3	10.7	19.4	1.4	0.7	18.0	21.4
Romania	605	36.1	36.2	36.1	12.4	3.5	8.8	2.4	0.6	37.0	35.3
Russian Federation	642	46.5	37.8	46.5	7.3	3.6	1.3	2.1	1.2	47.6	45.4
Saudi Arabia	606	18.8	35.8	18.8	12.9	10.7	19.6	0.8	1.5	17.0	20.5
Scotland	575	35.5	43.0	35.5	7.5	3.9	4.9	4.9	0.3	34.8	36.2
Serbia	577	35.3	39.1	35.3	11.1	3.3	4.7	5.2	1.3	34.0	36.5
Singapore	655	67.6	24.5	67.6	3.3	1.5	1.8	0.6	0.7	70.5	65.1
Slovenia	577	33.3	50.3	33.3	8.8	3.0	3.6	0.7	0.3	35.2	31.7
Sweden	744	39.9	37.9	39.9	8.8	4.6	4.3	3.2	1.3	42.8	37.2
Syrian Arab Republic	659	26.5	35.1	26.5	12.5	5.7	17.3	2.0	0.8	21.8	31.8
Thailand	773	25.1	55.6	25.1	5.6	4.1	6.7	1.8	1.1	22.6	27.4
Tunisia	578	41.3	33.3	41.3	9.6	2.9	9.2	2.9	0.9	34.9	48.3
Turkey	630	31.6	43.6	31.6	9.7	4.6	7.9	1.6	1.0	29.9	32.9
Ukraine	637	30.4	45.0	30.4	13.6	2.9	5.1	2.3	0.8	32.4	28.4
United States	1073	21.5	63.4	21.5	5.0	4.2	3.5	1.3	1.1	18.2	25.0
International Avg.	642	35.1	39.3	35.1	9.1	4.7	7.7	2.9	1.2	34.9	35.4
Basque Country, Spain	330	36.2	48.4	36.2	5.6	3.7	2.6	1.9	1.6	38.1	34.5
British Columbia, Canada	608	26.9	54.4	26.9	5.9	4.0	3.5	4.3	0.9	24.6	29.8
Dubai, UAE	467	36.0	40.7	36.0	4.8	4.4	6.6	4.7	2.8	38.3	33.8
Massachusetts, US	276	36.2	52.8	36.2	3.8	2.2	1.6	2.0	1.3	39.0	33.1
Minnesota, US	252	29.2	63.2	29.2	3.1	2.5	1.2	0.5	0.5	23.2	35.6
Ontario, Canada	486	38.8	47.9	38.8	3.3	3.1	2.5	2.3	2.2	38.9	38.8
Quebec, Canada	561	39.6	43.2	39.6	6.0	2.1	1.0	6.1	2.1	38.4	40.5

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Number / Knowing (M022066 - M01_09)
 Label: Addition of three fractions
 Type: MC Key: D

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	766	12.6	64.4	7.8	6.2	12.6	5.1	3.9	13.1	12.2
Armenia	620	61.0	17.0	5.4	9.9	61.0	6.5	0.1	62.8	59.4
Australia	586	28.4	47.9	10.8	7.7	28.4	3.4	1.8	24.3	32.1
Bahrain	606	21.1	60.6	4.6	8.9	21.1	2.7	2.1	28.9	13.6
Bosnia and Herzegovina	602	62.2	22.6	3.8	4.9	62.2	5.1	1.4	70.5	53.4
Botswana	601	17.5	64.8	7.3	6.0	17.5	2.0	2.5	20.1	14.6
Bulgaria	568	56.8	28.1	7.9	3.4	56.8	1.6	2.3	62.7	50.6
Chinese Taipei	573	88.4	5.3	3.2	2.8	88.4	0.0	0.3	88.3	88.4
Colombia	690	15.5	61.9	5.8	8.0	15.5	3.6	5.3	13.6	17.3
Cyprus	627	60.5	23.4	6.8	6.7	60.5	1.3	1.3	66.5	54.8
Czech Republic	693	64.7	22.6	3.6	5.2	64.7	3.1	0.7	70.0	60.0
Egypt	933	31.3	43.0	9.0	13.2	31.3	1.9	1.6	37.2	25.6
El Salvador	571	18.2	57.7	7.8	5.5	18.2	6.5	4.4	19.2	17.2
England	591	34.0	47.2	6.4	9.5	34.0	2.2	0.7	37.2	30.6
Georgia	603	36.5	42.4	8.7	8.6	36.5	1.8	2.1	41.0	32.6
Ghana	755	19.1	64.1	4.8	6.9	19.1	2.4	2.7	16.5	21.1
Hong Kong SAR	502	83.1	6.7	3.8	5.6	83.1	0.6	0.2	86.0	80.2
Hungary	583	69.5	19.3	3.9	5.4	69.5	1.0	0.9	75.7	63.4
Indonesia	608	33.8	52.5	5.1	4.9	33.8	0.8	2.8	37.7	30.1
Iran, Islamic Rep. of	572	37.9	40.1	7.4	11.0	37.9	2.1	1.5	45.2	31.9
Israel	463	47.5	30.0	8.6	8.0	47.5	3.7	2.2	53.5	40.9
Italy	631	71.2	16.5	3.4	5.2	71.2	1.8	1.9	73.4	69.2
Japan	611	79.3	8.4	3.6	5.3	79.3	2.8	0.6	80.8	77.7
Jordan	744	39.0	42.7	5.7	7.8	39.0	3.3	1.5	47.7	31.2
Korea, Rep. of	612	85.3	7.9	2.4	4.4	85.3	0.0	0.0	87.2	83.7
Kuwait	583	14.8	65.2	8.6	6.4	14.8	3.3	1.7	17.4	11.8
Lebanon	531	61.4	22.1	4.5	7.1	61.4	3.1	1.8	59.6	63.6
Lithuania	572	52.7	34.8	2.9	4.3	52.7	4.5	0.8	59.7	45.7
Malaysia	643	61.5	13.6	12.0	9.5	61.5	1.4	2.0	67.1	55.5
Malta	675	57.2	23.3	8.3	8.3	57.2	2.0	0.9	58.3	56.1
Morocco	438	24.5	43.5	9.2	11.8	24.5	6.6	4.4	26.6	22.3
Norway	651	25.2	47.1	11.1	9.9	25.2	4.9	1.7	29.7	20.5
Oman	662	16.2	63.2	8.8	6.7	16.2	3.1	2.0	18.5	13.7
Palestinian Nat'l Auth.	627	29.5	47.6	9.4	10.7	29.5	2.4	0.3	37.6	21.0
Qatar	1038	17.1	49.0	17.9	13.3	17.1	1.9	0.8	17.6	16.6
Romania	605	55.4	31.8	3.7	6.1	55.4	2.5	0.6	60.3	51.0
Russian Federation	642	65.2	21.9	3.8	5.8	65.2	1.9	1.4	74.4	55.7
Saudi Arabia	610	10.6	68.5	9.5	7.7	10.6	1.7	2.0	11.2	10.0
Scotland	575	21.6	60.8	6.4	7.2	21.6	3.4	0.7	19.5	23.6
Serbia	576	58.4	27.2	4.6	5.1	58.4	3.4	1.3	64.6	52.4
Singapore	655	86.3	3.3	3.9	5.4	86.3	0.3	0.8	89.5	83.4
Slovenia	577	63.0	21.7	6.4	6.5	63.0	2.1	0.3	66.4	60.2
Sweden	744	21.0	54.4	10.9	7.9	21.0	3.7	2.0	21.0	21.0
Syrian Arab Republic	659	31.7	54.3	3.7	7.5	31.7	1.9	1.0	31.9	31.5
Thailand	773	26.4	57.7	5.2	8.7	26.4	0.7	1.3	31.1	22.1
Tunisia	581	35.3	42.8	7.2	11.2	35.3	1.9	1.6	38.5	31.8
Turkey	630	49.9	35.3	6.5	6.0	49.9	1.3	1.0	52.8	47.9
Ukraine	637	32.5	53.2	5.6	4.9	32.5	2.4	1.4	37.6	27.4
United States	1073	45.8	36.8	6.0	8.5	45.8	1.6	1.3	47.6	43.8
International Avg.	642	43.6	38.3	6.6	7.3	43.6	2.6	1.6	46.9	40.4
Basque Country, Spain	330	68.3	14.3	6.0	6.7	68.3	2.9	1.7	73.0	64.2
British Columbia, Canada	608	51.4	29.4	7.5	8.8	51.4	1.8	1.1	51.9	50.8
Dubai, UAE	467	43.2	36.3	6.6	7.0	43.2	3.6	3.2	45.5	41.0
Massachusetts, US	276	68.0	18.0	3.8	5.3	68.0	2.9	2.0	72.5	62.9
Minnesota, US	252	56.3	26.8	6.3	9.1	56.3	1.1	0.5	54.0	58.7
Ontario, Canada	486	51.2	30.4	6.5	7.7	51.2	1.5	2.8	50.8	51.7
Quebec, Canada	561	56.3	25.8	4.4	7.8	56.3	3.1	2.7	64.2	49.5

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Geometry / Applying (M022234A - M01_11A)
 Label: New rectangle from old/draw on grid
 Type: CR Key: -

COUNTRY	N	20	10	11	70	71	79	OMIT TED	NOT REACH ED	V1	V2	1.GIRL %Right	2.BOY %Right
Algeria	767	4.5	3.9	0.3	10.2	1.8	40.9	28.3	10.2	8.7	4.5	3.9	5.1
Armenia	623	10.5	48.4	0.9	0.9	1.1	16.0	20.0	2.3	59.7	10.5	11.4	9.6
Australia	586	20.3	0.6	8.0	17.4	6.0	28.3	14.4	5.1	28.9	20.3	16.9	23.4
Bahrain	606	5.4	0.6	2.1	12.1	4.8	47.7	18.5	8.8	8.1	5.4	5.3	5.5
Bosnia and Herzegovina	602	8.8	0.9	9.4	4.6	4.5	22.5	35.0	14.4	19.0	8.8	10.4	7.1
Botswana	597	0.6	0.0	0.3	6.8	4.4	61.8	20.7	5.5	0.9	0.6	1.0	0.1
Bulgaria	568	14.1	0.7	14.1	7.2	3.2	14.1	33.7	13.0	28.9	14.1	14.5	13.6
Chinese Taipei	573	47.9	0.3	15.0	6.9	1.2	19.9	8.1	0.8	63.2	47.9	48.4	47.4
Colombia	690	3.3	0.5	1.6	3.6	5.0	50.3	22.7	12.8	5.5	3.3	2.9	3.7
Cyprus	627	22.1	0.7	8.7	10.9	4.0	23.3	21.0	9.3	31.6	22.1	24.8	19.6
Czech Republic	693	19.8	0.5	13.7	10.1	6.3	24.6	20.7	4.3	34.0	19.8	20.7	19.0
Egypt	934	8.4	1.5	2.8	15.0	4.7	43.2	19.1	5.3	12.7	8.4	9.7	7.1
El Salvador	571	0.9	0.0	0.5	6.1	2.8	42.3	34.9	12.4	1.4	0.9	1.0	0.9
England	591	22.9	0.7	11.6	21.6	7.2	22.8	11.6	1.5	35.2	22.9	23.0	22.8
Georgia	603	12.8	0.4	7.4	5.2	5.0	16.8	37.4	14.9	20.6	12.8	12.5	13.1
Ghana	755	0.6	0.4	0.8	1.6	0.9	35.2	47.1	13.4	1.8	0.6	0.0	1.1
Hong Kong SAR	502	36.0	2.0	21.0	14.5	2.6	13.7	6.8	3.4	59.0	36.0	39.9	32.3
Hungary	583	29.1	0.5	12.7	11.5	10.5	14.3	16.1	5.3	42.3	29.1	29.4	28.8
Indonesia	608	6.8	0.5	4.7	5.7	2.4	48.1	23.0	8.8	12.0	6.8	7.9	5.8
Iran, Islamic Rep. of	572	10.9	0.9	8.2	8.1	7.0	36.9	21.3	6.7	20.0	10.9	9.7	12.0
Israel	463	18.9	4.0	3.1	5.3	3.8	28.5	25.4	11.1	26.0	18.9	23.3	14.1
Italy	631	21.3	6.5	7.6	19.7	2.9	22.3	12.0	7.7	35.4	21.3	20.1	22.4
Japan	611	47.4	0.8	19.6	3.7	3.8	10.1	10.9	3.6	67.8	47.4	47.9	46.8
Jordan	744	7.9	3.6	3.0	10.9	4.4	45.5	19.0	5.7	14.5	7.9	9.5	6.4
Korea, Rep. of	612	44.8	0.9	17.2	9.6	3.3	14.4	8.8	0.9	63.0	44.8	48.9	41.2
Kuwait	583	4.2	0.7	0.9	10.4	4.1	41.8	26.1	11.8	5.8	4.2	4.7	3.6
Lebanon	533	11.1	1.1	2.4	12.3	1.3	30.2	30.8	10.8	14.5	11.1	11.1	11.0
Lithuania	572	30.4	0.9	4.6	4.6	9.2	21.3	21.8	7.2	35.8	30.4	32.2	28.6
Malaysia	643	18.5	1.1	4.1	12.6	4.4	41.5	11.6	6.2	23.7	18.5	20.9	15.8
Malta	675	23.2	0.6	9.2	20.2	5.3	24.4	13.5	3.6	33.0	23.2	26.6	19.7
Morocco	441	5.0	0.7	3.5	2.1	2.3	40.2	33.5	12.8	9.2	5.0	4.9	5.1
Norway	651	22.2	0.0	10.2	16.9	5.9	23.8	13.8	7.2	32.4	22.2	24.6	19.7
Oman	662	4.2	0.1	0.3	9.9	4.9	59.2	15.6	5.7	4.6	4.2	4.2	4.2
Palestinian Nat'l Auth.	625	6.6	1.0	2.0	11.0	4.7	54.4	17.5	2.8	9.6	6.6	8.0	5.1
Qatar	1038	1.3	0.0	0.6	7.5	3.8	54.0	24.8	7.9	1.9	1.3	1.9	0.8
Romania	605	12.2	2.5	11.5	12.1	4.5	27.1	22.3	7.8	26.2	12.2	15.0	9.7
Russian Federation	642	31.4	0.7	15.0	8.1	6.8	9.0	23.0	6.1	47.1	31.4	33.1	29.5
Saudi Arabia	610	1.9	0.1	1.4	8.5	5.2	56.6	19.3	6.9	3.4	1.9	2.4	1.4
Scotland	575	17.3	0.3	10.0	25.8	5.3	24.3	13.7	3.3	27.6	17.3	16.2	18.3
Serbia	579	11.9	0.8	16.4	6.1	4.5	16.6	33.3	10.4	29.2	11.9	10.5	13.3
Singapore	655	52.4	1.5	13.4	4.9	1.8	16.3	7.5	2.1	67.3	52.4	59.1	46.4
Slovenia	577	19.1	1.1	10.9	17.9	4.0	31.9	11.6	3.4	31.2	19.1	18.2	19.8
Sweden	744	22.0	5.4	16.7	10.3	5.3	17.5	14.4	8.4	44.1	22.0	21.6	22.5
Syrian Arab Republic	659	10.8	4.7	1.4	15.8	6.5	35.2	17.9	7.8	17.0	10.8	6.7	15.6
Thailand	773	9.2	1.0	2.4	9.3	4.4	39.8	28.0	6.0	12.6	9.2	11.5	7.0
Tunisia	580	13.3	0.9	1.5	8.3	8.1	42.6	17.4	7.8	15.7	13.3	12.2	14.5
Turkey	630	13.9	0.7	3.9	6.1	4.6	33.0	30.2	7.6	18.4	13.9	15.6	12.6
Ukraine	637	15.4	0.2	13.9	8.0	6.3	21.2	27.2	7.9	29.5	15.4	13.6	17.2
United States	1073	20.3	0.7	7.4	18.4	8.3	36.1	6.1	2.8	28.3	20.3	19.3	21.3
International Avg.	642	16.4	2.2	7.3	10.1	4.6	31.5	20.8	7.2	25.9	16.4	17.1	15.8
Basque Country, Spain	330	15.8	0.0	10.6	20.6	3.5	28.3	15.2	5.9	26.4	15.8	18.7	13.3
British Columbia, Canada	608	21.6	2.0	8.0	21.1	5.4	24.5	12.9	4.5	31.6	21.6	20.3	23.2
Dubai, UAE	467	14.8	1.0	2.9	13.7	2.7	30.0	23.9	11.0	18.7	14.8	13.3	16.3
Massachusetts, US	276	34.6	0.0	7.8	19.0	6.1	21.8	6.4	4.2	42.5	34.6	31.3	38.5
Minnesota, US	252	26.5	0.3	10.2	23.0	3.5	28.7	5.6	2.1	37.1	26.5	27.2	25.8
Ontario, Canada	486	25.3	0.4	5.4	25.1	6.9	22.8	9.4	4.7	31.1	25.3	20.4	31.1
Quebec, Canada	561	33.0	0.2	10.5	17.3	6.6	15.1	11.8	5.5	43.8	33.0	34.2	32.0

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Number / Applying (M022234B - M01_11B)
 Label: New rectangle from old/ratio of area
 Type: CR Key: -

COUNTRY	N	20	21	10	11	19	70	79	OMIT TED	NOT REACH ED	V1	V2	1.GIRL %Right	2.BOY %Right
Algeria	767	0.0	0.0	0.2	0.0	0.1	0.4	43.2	44.9	11.2	0.3	0.0	0.0	0.0
Armenia	623	6.5	4.1	10.3	0.3	0.0	0.4	34.5	41.1	2.7	21.3	10.6	9.3	11.9
Australia	586	10.8	2.3	0.7	0.7	0.0	5.3	32.8	39.4	8.1	14.4	13.1	9.2	16.6
Bahrain	606	1.0	0.4	0.0	0.1	0.1	0.2	37.1	51.3	9.6	1.7	1.4	1.3	1.6
Bosnia and Herzegovina	602	3.6	0.0	0.5	0.3	0.0	0.4	11.5	67.6	16.0	4.5	3.6	4.2	3.1
Botswana	597	0.0	0.2	0.0	0.1	0.0	0.9	47.4	43.8	7.7	0.3	0.2	0.4	0.0
Bulgaria	568	9.4	0.3	0.8	0.2	0.7	0.7	9.4	63.7	14.7	11.4	9.7	9.6	9.8
Chinese Taipei	573	52.3	8.5	2.3	0.3	0.5	0.7	14.6	20.1	0.8	63.9	60.7	63.1	58.4
Colombia	690	0.8	0.1	0.0	0.2	0.3	0.9	34.6	48.2	14.9	1.4	0.9	0.3	1.4
Cyprus	627	15.5	1.9	0.3	0.0	0.0	1.9	17.5	51.2	11.7	17.7	17.4	22.3	12.9
Czech Republic	693	8.6	1.9	2.3	0.3	0.6	1.8	25.9	49.9	8.8	13.7	10.4	9.8	11.0
Egypt	934	4.3	0.3	0.5	0.8	0.0	0.4	45.1	42.1	6.5	5.8	4.6	6.6	2.7
El Salvador	571	0.0	0.0	0.0	0.0	0.0	1.6	19.6	64.5	14.3	0.0	0.0	0.0	0.0
England	591	12.7	2.2	1.3	0.0	0.2	9.9	33.9	37.5	2.4	16.4	14.9	15.4	14.3
Georgia	603	7.3	1.2	0.0	0.4	0.0	0.0	8.3	65.3	17.5	8.9	8.5	8.9	8.1
Ghana	755	0.3	0.4	0.1	0.1	0.0	0.5	25.6	57.4	15.5	1.0	0.7	0.4	1.0
Hong Kong SAR	502	32.6	3.5	1.9	0.7	1.6	2.8	23.6	29.9	3.4	40.3	36.1	41.1	31.2
Hungary	583	9.2	1.4	2.3	1.0	0.3	4.5	24.1	50.3	7.1	14.1	10.5	10.4	10.7
Indonesia	608	3.7	1.1	0.5	0.2	0.1	1.2	43.8	38.0	11.4	5.7	4.9	7.2	2.6
Iran, Islamic Rep. of	572	4.0	0.2	0.8	0.4	0.2	1.3	30.7	53.7	8.6	5.7	4.2	5.0	3.6
Israel	463	7.0	0.4	0.5	0.0	1.2	0.2	24.9	52.0	13.8	9.0	7.3	8.5	6.1
Italy	631	9.3	1.1	3.6	0.5	0.0	2.7	33.0	41.0	8.8	14.5	10.4	9.3	11.3
Japan	611	34.3	0.3	4.5	0.1	0.2	0.9	31.0	23.9	4.9	39.3	34.6	33.1	36.2
Jordan	744	5.5	3.1	0.9	1.0	0.4	2.6	44.5	35.5	6.4	11.0	8.6	12.8	4.8
Korea, Rep. of	612	44.9	4.1	1.5	0.3	0.1	4.9	25.9	17.1	1.2	50.9	49.0	49.9	48.1
Kuwait	583	0.5	0.0	0.0	0.0	0.0	0.0	29.6	57.3	12.7	0.5	0.5	0.5	0.5
Lebanon	533	3.3	0.3	0.6	0.5	0.0	0.3	32.4	49.9	12.7	4.7	3.6	3.1	4.2
Lithuania	572	11.4	1.8	2.3	0.4	0.7	7.2	19.8	45.5	10.8	16.7	13.2	15.1	11.4
Malaysia	643	11.9	2.3	0.4	0.6	0.2	1.3	33.8	41.9	7.7	15.4	14.1	15.3	12.9
Malta	674	14.2	2.9	0.1	0.6	0.1	15.6	19.4	43.0	4.0	18.0	17.1	17.2	17.0
Morocco	441	0.3	0.0	0.1	0.0	0.0	0.0	32.6	52.0	15.1	0.4	0.3	0.5	0.0
Norway	651	2.0	0.4	0.3	0.2	0.0	0.2	44.8	43.2	9.1	2.8	2.4	3.2	1.5
Oman	662	1.0	0.7	0.0	0.6	0.3	1.9	52.8	35.4	7.3	2.6	1.7	2.4	0.9
Palestinian Nat'l Auth.	625	2.0	2.3	0.3	0.5	0.1	2.1	47.8	40.7	4.3	5.1	4.3	7.0	1.3
Qatar	1038	0.1	0.1	0.0	0.0	0.0	0.0	31.3	59.7	8.8	0.2	0.2	0.2	0.2
Romania	605	12.9	1.8	0.2	0.2	0.0	0.0	16.2	58.5	10.2	15.1	14.7	17.6	12.1
Russian Federation	642	18.6	2.2	1.0	0.3	0.8	0.3	19.7	45.4	11.7	22.9	20.8	25.7	15.8
Saudi Arabia	610	0.2	0.2	0.2	0.0	0.0	1.6	39.2	50.8	7.8	0.5	0.3	0.5	0.2
Scotland	575	6.4	2.5	1.0	0.4	0.0	12.4	27.1	45.4	4.8	10.3	8.9	7.8	10.0
Serbia	579	6.9	0.3	1.1	0.0	1.0	2.9	14.7	59.1	14.1	9.3	7.2	7.5	6.8
Singapore	655	54.2	3.0	2.8	1.0	0.9	3.1	13.6	18.8	2.7	61.9	57.2	64.5	50.7
Slovenia	577	3.2	0.3	0.7	1.1	0.5	0.1	52.7	35.3	6.1	5.7	3.5	2.6	4.3
Sweden	744	1.4	0.0	0.2	0.0	0.0	0.2	39.1	49.4	9.7	1.6	1.4	1.6	1.2
Syrian Arab Republic	659	6.3	0.2	0.9	0.5	0.5	1.8	38.7	42.6	8.6	8.4	6.5	4.6	8.6
Thailand	773	5.0	1.3	0.2	1.4	0.0	2.0	33.1	47.7	9.3	7.9	6.3	8.3	4.4
Tunisia	580	0.1	0.0	0.0	0.0	0.2	0.1	45.1	46.1	8.3	0.3	0.1	0.0	0.2
Turkey	630	10.8	0.8	0.6	0.3	0.2	1.2	19.5	57.3	9.2	12.7	11.6	13.4	10.4
Ukraine	637	6.5	0.0	0.3	0.2	0.2	1.0	14.9	65.5	11.4	7.2	6.5	6.0	7.0
United States	1073	11.3	3.8	0.6	0.5	1.0	14.4	37.0	27.7	3.7	17.2	15.1	14.9	15.4
International Avg.	642	9.7	1.3	1.0	0.4	0.3	2.4	30.2	45.9	8.9	12.7	11.0	11.8	10.3
Basque Country, Spain	330	0.2	0.2	1.0	0.2	0.0	2.2	32.9	56.4	7.0	1.5	0.4	0.3	0.4
British Columbia, Canada	608	14.5	8.0	1.4	1.1	0.2	9.6	30.5	29.0	5.6	25.2	22.5	22.8	22.1
Dubai, UAE	467	6.3	3.0	0.5	0.3	0.2	4.9	24.9	47.7	12.2	10.2	9.3	7.7	10.9
Massachusetts, US	276	21.9	5.2	1.9	0.7	0.8	11.2	30.6	21.5	6.2	30.5	27.1	23.3	31.5
Minnesota, US	252	18.3	5.4	1.4	0.0	2.7	10.1	38.0	21.7	2.6	27.7	23.6	21.2	26.2
Ontario, Canada	486	17.0	11.3	1.0	0.3	0.5	9.9	28.3	25.1	6.5	30.2	28.3	27.6	29.1
Quebec, Canada	561	14.4	2.4	3.5	0.6	0.5	1.8	34.2	34.6	8.0	21.4	16.8	17.3	16.4

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Geometry / Applying (M022243 - M01_12)
 Label: Area of triangle inside a square
 Type: CR Key: -

COUNTRY	N	10	70	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	761	27.5	4.4	42.7	11.3	14.2	27.5	27.5	27.4
Armenia	623	56.7	3.2	22.4	14.2	3.6	56.7	54.3	58.9
Australia	586	30.2	7.4	45.1	6.9	10.4	30.2	25.9	34.1
Bahrain	606	18.1	4.0	54.8	10.0	13.0	18.1	25.0	11.6
Bosnia and Herzegovina	602	19.5	1.6	33.3	24.2	21.3	19.5	18.9	20.2
Botswana	597	13.5	5.8	66.9	3.5	10.2	13.5	12.3	14.8
Bulgaria	568	29.7	6.1	28.4	18.8	17.0	29.7	26.5	33.1
Chinese Taipei	573	75.4	2.8	17.5	2.8	1.5	75.4	73.6	77.1
Colombia	690	9.2	6.9	52.8	11.2	19.9	9.2	8.1	10.2
Cyprus	627	29.1	7.0	39.0	9.8	15.0	29.1	35.1	23.5
Czech Republic	693	23.1	3.5	41.0	16.3	16.1	23.1	20.6	25.3
Egypt	933	30.8	4.8	49.1	6.9	8.4	30.8	32.4	29.2
El Salvador	571	2.4	2.8	60.6	17.2	17.0	2.4	2.7	2.1
England	591	41.3	9.9	38.5	5.9	4.4	41.3	40.8	41.8
Georgia	602	17.7	2.5	38.2	19.4	22.2	17.7	20.2	15.5
Ghana	755	6.5	2.1	62.7	11.1	17.6	6.5	3.4	9.0
Hong Kong SAR	502	78.0	2.7	14.0	0.9	4.5	78.0	80.2	75.9
Hungary	583	29.1	4.5	39.5	14.4	12.5	29.1	27.6	30.7
Indonesia	608	15.1	2.4	59.0	9.6	13.9	15.1	17.9	12.4
Iran, Islamic Rep. of	572	20.4	4.6	49.7	10.8	14.5	20.4	23.8	17.6
Israel	463	22.5	6.1	39.2	15.3	16.8	22.5	25.0	19.8
Italy	631	44.2	6.6	25.3	10.2	13.8	44.2	42.6	45.6
Japan	611	70.7	5.0	16.7	1.8	5.8	70.7	71.1	70.4
Jordan	743	26.8	2.2	57.6	4.9	8.5	26.8	32.3	21.8
Korea, Rep. of	612	79.1	2.4	15.4	1.3	1.8	79.1	80.5	77.8
Kuwait	583	5.0	2.7	62.8	13.3	16.2	5.0	4.5	5.6
Lebanon	533	28.9	3.5	35.8	16.3	15.5	28.9	26.2	32.2
Lithuania	572	29.4	3.4	39.8	12.4	15.0	29.4	30.3	28.5
Malaysia	643	29.3	2.9	49.5	6.1	12.1	29.3	29.0	29.7
Malta	675	43.0	5.3	39.4	5.4	6.8	43.0	39.6	46.4
Morocco	441	13.6	3.5	48.2	14.6	20.2	13.6	12.9	14.3
Norway	651	28.8	7.0	44.8	7.9	11.6	28.8	30.7	26.7
Oman	662	12.5	4.0	67.1	6.7	9.8	12.5	14.4	10.5
Palestinian Nat'l Auth.	625	17.2	5.5	68.1	4.0	5.2	17.2	21.3	12.7
Qatar	1038	2.6	2.8	75.4	8.5	10.7	2.6	3.0	2.3
Romania	605	31.0	3.3	39.6	10.8	15.3	31.0	31.3	30.8
Russian Federation	642	24.3	10.7	33.5	15.2	16.3	24.3	24.3	24.4
Saudi Arabia	610	3.7	2.2	72.0	10.1	12.0	3.7	3.1	4.2
Scotland	575	29.1	8.6	46.4	8.1	7.8	29.1	26.4	31.7
Serbia	579	29.4	2.8	31.4	18.1	18.3	29.4	32.1	26.8
Singapore	655	76.3	2.5	17.6	0.7	2.9	76.3	83.6	69.8
Slovenia	577	26.7	9.8	44.3	10.0	9.2	26.7	27.1	26.4
Sweden	744	42.7	11.9	25.6	7.1	12.7	42.7	41.2	44.2
Syrian Arab Republic	659	20.0	10.4	51.2	7.1	11.4	20.0	20.9	19.0
Thailand	773	21.9	4.0	54.6	8.2	11.2	21.9	26.2	17.9
Tunisia	580	17.7	12.2	45.1	13.1	11.9	17.7	16.1	19.4
Turkey	630	19.7	3.5	57.8	7.7	11.3	19.7	17.7	21.2
Ukraine	637	13.8	8.6	49.3	11.9	16.5	13.8	14.1	13.5
United States	1073	25.3	10.0	56.4	3.4	4.9	25.3	23.6	27.1
International Avg.	642	28.7	5.1	44.2	9.9	12.0	28.7	29.1	28.4
Basque Country, Spain	330	36.3	5.8	34.7	9.6	13.6	36.3	36.3	36.4
British Columbia, Canada	608	29.8	7.6	49.3	6.3	6.9	29.8	29.0	30.7
Dubai, UAE	467	22.1	9.2	44.0	10.1	14.6	22.1	20.8	23.3
Massachusetts, US	276	49.7	7.3	32.9	3.3	7.0	49.7	48.6	50.9
Minnesota, US	252	45.0	6.2	42.3	2.8	3.7	45.0	38.9	51.3
Ontario, Canada	486	39.3	13.1	33.8	5.9	7.9	39.3	34.9	44.5
Quebec, Canada	561	53.9	6.2	23.4	6.2	10.2	53.9	53.4	54.4

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Number / Knowing (M042003 - M02_01)
 Label: Ordering of number
 Type: MC Key: D

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	774	19.1	35.1	12.9	16.8	19.1	15.7	0.3	19.2	19.1
Armenia	606	55.0	8.9	15.1	11.3	55.0	8.1	1.5	56.3	53.6
Australia	594	75.7	9.2	6.5	6.1	75.7	2.2	0.3	74.9	76.4
Bahrain	611	42.4	8.2	25.6	17.1	42.4	6.5	0.1	45.3	39.8
Bosnia and Herzegovina	604	62.4	13.2	11.1	7.6	62.4	5.7	0.0	64.5	60.1
Botswana	590	44.1	12.2	21.4	19.0	44.1	3.3	0.0	44.8	43.4
Bulgaria	579	66.3	10.4	12.1	7.7	66.3	3.6	0.0	70.9	61.7
Chinese Taipei	579	85.5	4.8	4.7	4.8	85.5	0.1	0.0	84.0	87.0
Colombia	695	47.6	13.6	21.2	13.7	47.6	2.9	0.9	47.5	47.8
Cyprus	630	65.5	14.9	8.3	9.3	65.5	1.9	0.0	65.4	65.6
Czech Republic	693	77.5	7.4	8.7	5.1	77.5	1.3	0.0	74.5	80.2
Egypt	933	52.2	10.8	16.2	17.6	52.2	3.2	0.0	56.2	48.4
El Salvador	574	44.3	12.4	22.2	14.3	44.3	6.3	0.5	43.2	45.5
England	583	74.9	9.3	6.8	6.4	74.9	2.6	0.1	72.9	77.1
Georgia	610	52.1	13.0	17.6	13.8	52.1	3.5	0.0	51.8	52.3
Ghana	749	41.6	14.0	22.2	17.9	41.6	4.4	0.0	35.9	46.3
Hong Kong SAR	490	81.3	5.3	4.0	8.2	81.3	0.9	0.2	80.0	82.9
Hungary	574	66.8	10.4	8.7	10.7	66.8	3.3	0.0	68.1	65.6
Indonesia	601	51.8	13.2	21.5	10.4	51.8	3.1	0.0	52.7	51.0
Iran, Islamic Rep. of	573	39.8	17.2	17.2	22.4	39.8	3.2	0.1	43.2	36.7
Israel	468	56.4	16.9	10.9	11.2	56.4	4.0	0.7	55.8	56.9
Italy	627	71.4	7.7	11.8	6.8	71.4	2.3	0.0	73.5	69.7
Japan	613	80.1	9.3	3.8	5.9	80.1	0.7	0.2	79.7	80.6
Jordan	741	55.5	21.4	8.5	11.8	55.5	2.7	0.0	57.4	53.9
Korea, Rep. of	607	84.9	10.7	1.4	2.8	84.9	0.2	0.0	83.3	86.2
Kuwait	569	55.2	18.7	8.8	11.8	55.2	5.4	0.1	55.2	55.3
Lebanon	529	58.8	6.8	15.2	13.2	58.8	5.8	0.1	57.5	60.3
Lithuania	570	72.5	10.0	8.2	8.1	72.5	1.1	0.0	73.5	71.5
Malaysia	639	80.5	6.6	8.0	4.2	80.5	0.5	0.2	80.4	80.7
Malta	658	76.9	4.6	7.4	9.2	76.9	1.8	0.1	77.9	75.9
Morocco	430	21.9	43.2	13.7	13.8	21.9	7.1	0.3	21.1	22.7
Norway	566	59.6	16.1	11.6	9.9	59.6	2.5	0.3	59.3	60.0
Oman	661	47.0	21.9	10.8	13.4	47.0	6.2	0.8	51.7	41.7
Palestinian Nat'l Auth.	636	51.1	18.0	13.6	13.3	51.1	3.9	0.0	60.5	41.5
Qatar	1021	32.7	14.2	25.0	26.0	32.7	2.2	0.0	37.5	27.8
Romania	598	57.0	13.2	17.3	10.8	57.0	1.8	0.0	59.2	54.6
Russian Federation	638	72.8	9.5	9.4	6.3	72.8	1.6	0.4	71.2	74.5
Saudi Arabia	607	33.1	11.1	33.2	16.7	33.1	5.9	0.0	38.8	27.8
Scotland	587	73.8	11.4	4.6	9.0	73.8	1.2	0.0	69.2	78.1
Serbia	568	66.8	9.3	10.0	10.0	66.8	3.9	0.0	65.3	68.3
Singapore	657	87.3	6.5	2.9	2.7	87.3	0.7	0.0	88.6	86.0
Slovenia	580	81.0	8.9	3.9	4.7	81.0	1.4	0.0	79.6	82.4
Sweden	739	71.6	10.9	7.7	7.0	71.6	2.6	0.2	74.0	69.3
Syrian Arab Republic	663	33.2	15.1	22.7	20.4	33.2	8.6	0.0	29.9	37.0
Thailand	786	67.6	6.6	15.5	9.2	67.6	1.1	0.0	68.6	66.7
Tunisia	583	29.5	40.6	11.5	11.4	29.5	6.8	0.2	27.0	32.7
Turkey	634	63.8	8.0	18.5	8.6	63.8	1.1	0.0	60.1	67.3
Ukraine	639	64.1	7.0	17.2	9.5	64.1	2.2	0.0	66.6	61.2
United States	1063	77.3	9.2	5.4	6.7	77.3	1.4	0.0	74.3	80.4
International Avg.	639	59.8	13.0	12.7	10.9	59.8	3.4	0.2	60.2	59.4
Basque Country, Spain	327	70.3	7.0	12.2	8.3	70.3	2.1	0.0	64.7	76.1
British Columbia, Canada	606	77.4	6.3	6.2	8.9	77.4	1.2	0.0	77.5	77.2
Dubai, UAE	458	70.5	5.2	8.9	12.9	70.5	2.5	0.0	74.0	67.5
Massachusetts, US	267	75.5	11.5	3.5	7.5	75.5	2.0	0.0	77.7	72.8
Minnesota, US	257	81.3	6.3	3.7	7.7	81.3	1.0	0.0	83.3	79.2
Ontario, Canada	493	76.4	7.3	7.3	8.4	76.4	0.4	0.3	75.3	77.4
Quebec, Canada	555	80.6	7.2	4.4	7.0	80.6	0.8	0.1	80.9	80.2

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Number / Knowing (M042079 - M02_02)
 Label: Simplify the number
 Type: MC Key: C

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	773	54.3	2.5	26.8	54.3	11.3	4.5	0.7	57.9	50.8
Armenia	607	72.4	2.1	9.6	72.4	9.2	5.1	1.6	69.7	75.3
Australia	594	77.6	2.7	7.9	77.6	9.4	2.1	0.3	79.7	75.8
Bahrain	611	48.5	5.8	12.1	48.5	31.6	1.9	0.1	50.5	46.7
Bosnia and Herzegovina	604	74.0	2.1	5.6	74.0	15.9	2.4	0.0	73.5	74.6
Botswana	590	48.9	6.7	17.7	48.9	25.2	1.4	0.0	51.1	46.6
Bulgaria	579	70.9	3.0	10.8	70.9	13.0	2.3	0.0	73.9	68.0
Chinese Taipei	579	89.1	0.6	4.8	89.1	5.4	0.1	0.0	88.6	89.6
Colombia	695	33.7	3.7	8.4	33.7	50.8	1.9	1.5	32.5	35.0
Cyprus	630	64.3	2.2	7.4	64.3	25.9	0.2	0.0	64.3	64.3
Czech Republic	693	86.3	0.2	4.3	86.3	8.9	0.2	0.0	87.6	85.2
Egypt	934	58.3	6.8	23.3	58.3	10.5	1.1	0.0	59.4	57.1
El Salvador	574	46.0	10.2	22.7	46.0	17.9	2.7	0.5	50.6	40.8
England	583	76.8	0.8	10.1	76.8	10.1	2.3	0.1	74.6	79.1
Georgia	610	58.9	2.8	17.1	58.9	18.9	2.2	0.1	53.4	64.0
Ghana	749	41.0	9.4	16.9	41.0	30.9	1.8	0.0	40.1	41.8
Hong Kong SAR	490	91.6	0.4	2.5	91.6	5.0	0.0	0.4	92.2	90.9
Hungary	574	86.4	1.0	4.0	86.4	8.6	0.0	0.0	86.7	86.1
Indonesia	601	62.3	2.5	6.3	62.3	27.6	1.3	0.0	61.8	62.8
Iran, Islamic Rep. of	573	57.1	7.4	12.7	57.1	21.6	0.9	0.1	54.2	59.7
Israel	468	66.5	3.1	9.9	66.5	16.4	3.4	0.7	66.2	66.7
Italy	627	80.1	0.2	4.2	80.1	14.7	0.7	0.0	78.5	81.5
Japan	613	89.0	0.4	6.3	89.0	3.7	0.5	0.2	88.7	89.3
Jordan	741	65.9	4.4	13.7	65.9	15.1	0.8	0.0	65.5	66.3
Korea, Rep. of	607	89.6	1.2	3.9	89.6	5.3	0.0	0.0	88.9	90.3
Kuwait	569	46.3	8.8	12.4	46.3	27.8	4.5	0.1	42.6	50.3
Lebanon	535	89.2	1.1	2.0	89.2	6.0	1.6	0.1	85.5	93.2
Lithuania	570	82.3	1.0	8.2	82.3	7.9	0.6	0.0	83.6	80.8
Malaysia	639	90.1	0.6	3.8	90.1	5.0	0.3	0.2	91.9	88.2
Malta	661	81.3	2.4	3.8	81.3	12.0	0.3	0.1	83.8	78.9
Morocco	437	58.8	5.1	14.2	58.8	16.9	4.6	0.4	57.0	60.7
Norway	326	41.4	1.0	48.5	41.4	6.6	2.0	0.5	45.1	38.2
Oman	661	57.1	9.0	20.5	57.1	9.0	3.3	1.0	68.3	44.6
Palestinian Nat'l Auth.	636	58.5	5.6	18.8	58.5	15.5	1.6	0.0	63.5	53.3
Qatar	1021	53.5	9.3	19.1	53.5	17.0	1.1	0.0	58.3	48.7
Romania	598	70.9	3.2	7.5	70.9	17.7	0.7	0.0	75.0	66.7
Russian Federation	638	81.3	0.3	5.9	81.3	11.9	0.3	0.4	82.4	80.1
Saudi Arabia	608	45.9	13.0	20.4	45.9	18.5	1.8	0.4	49.0	43.0
Scotland	587	66.9	1.9	15.0	66.9	15.8	0.4	0.0	67.7	66.2
Serbia	570	77.1	0.7	6.5	77.1	13.8	1.9	0.0	76.4	77.7
Singapore	657	89.1	0.2	2.6	89.1	7.3	0.8	0.0	91.3	87.0
Slovenia	580	74.6	0.9	4.6	74.6	19.6	0.3	0.0	75.5	73.8
Sweden	739	67.6	0.5	21.5	67.6	9.2	0.9	0.2	66.8	68.4
Syrian Arab Republic	664	58.0	5.8	14.3	58.0	20.6	1.4	0.0	54.4	62.1
Thailand	786	55.0	4.7	12.8	55.0	26.9	0.6	0.0	58.3	51.8
Tunisia	586	57.9	3.0	11.0	57.9	25.7	2.2	0.2	54.6	61.8
Turkey	634	57.6	4.5	9.8	57.6	27.2	0.9	0.0	50.6	64.3
Ukraine	639	71.5	3.1	11.3	71.5	13.2	0.9	0.0	73.1	69.6
United States	1063	80.6	0.8	4.2	80.6	13.0	1.3	0.1	80.3	81.0
International Avg.	635	67.4	3.4	11.6	67.4	15.9	1.5	0.2	67.9	66.9
Basque Country, Spain	327	81.9	0.4	3.6	81.9	14.1	0.0	0.0	87.9	75.7
British Columbia, Canada	606	79.9	0.5	5.6	79.9	12.3	1.7	0.0	77.2	83.2
Dubai, UAE	458	72.4	2.5	6.5	72.4	17.3	1.3	0.0	67.6	76.7
Massachusetts, US	267	86.1	0.0	2.5	86.1	9.3	2.0	0.0	85.8	86.5
Minnesota, US	257	84.3	0.0	3.7	84.3	11.0	1.0	0.0	85.9	82.5
Ontario, Canada	493	84.1	1.3	7.4	84.1	6.9	0.0	0.3	86.9	81.1
Quebec, Canada	555	86.7	1.0	2.5	86.7	9.6	0.1	0.1	90.1	83.1

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Number / Applying (M042018 - M02_03)
 Label: Place + or - sign in expression
 Type: CR Key: -

COUNTRY	N	10	79	OMIT TED	NOT	V1	1.GIRL %Right	2.BOY %Right
					REACH ED			
Algeria	760	15.6	69.2	14.5	0.7	15.6	11.8	19.4
Armenia	609	51.3	35.8	11.4	1.5	51.3	56.1	46.4
Australia	594	45.9	48.7	5.2	0.3	45.9	40.0	51.0
Bahrain	611	18.6	76.9	4.4	0.1	18.6	13.8	23.0
Bosnia and Herzegovina	604	37.8	49.9	12.3	0.0	37.8	39.5	36.0
Botswana	590	10.7	84.3	4.9	0.1	10.7	9.9	11.6
Bulgaria	579	36.2	53.2	10.5	0.1	36.2	30.6	41.8
Chinese Taipei	579	81.6	17.9	0.5	0.0	81.6	82.6	80.6
Colombia	695	13.1	78.4	7.0	1.5	13.1	8.4	17.5
Cyprus	630	28.8	63.7	7.3	0.2	28.8	28.3	29.4
Czech Republic	693	49.1	47.4	3.5	0.0	49.1	49.9	48.4
Egypt	937	18.3	75.6	6.1	0.0	18.3	18.7	17.9
El Salvador	575	6.1	79.9	13.2	0.8	6.1	6.1	6.1
England	583	52.3	44.6	3.0	0.1	52.3	50.9	53.9
Georgia	610	26.2	54.4	19.4	0.1	26.2	19.5	32.4
Ghana	749	7.5	76.3	16.2	0.0	7.5	7.3	7.6
Hong Kong SAR	490	74.6	23.6	1.4	0.4	74.6	76.7	72.3
Hungary	574	58.5	36.8	4.7	0.0	58.5	57.8	59.2
Indonesia	601	15.7	73.5	10.8	0.0	15.7	13.6	17.8
Iran, Islamic Rep. of	573	18.5	73.6	7.8	0.1	18.5	15.3	21.3
Israel	468	41.6	48.9	8.8	0.7	41.6	40.6	42.7
Italy	627	30.6	60.6	8.8	0.0	30.6	27.1	33.3
Japan	613	69.2	29.6	1.1	0.2	69.2	69.7	68.5
Jordan	740	23.3	71.0	5.7	0.0	23.3	22.2	24.4
Korea, Rep. of	607	70.9	28.2	1.0	0.0	70.9	69.4	72.2
Kuwait	569	13.4	78.3	8.2	0.1	13.4	9.1	18.1
Lebanon	534	28.5	57.1	14.3	0.1	28.5	23.6	33.9
Lithuania	570	42.4	50.2	7.4	0.0	42.4	39.4	45.6
Malaysia	639	36.8	58.5	4.3	0.4	36.8	36.1	37.6
Malta	661	46.2	47.7	5.9	0.1	46.2	42.5	49.9
Morocco	445	22.2	67.6	9.8	0.4	22.2	15.2	29.8
Norway	564	44.9	50.7	4.2	0.3	44.9	44.7	45.1
Oman	661	15.0	79.9	4.1	1.0	15.0	16.3	13.5
Palestinian Nat'l Auth.	636	17.2	76.9	5.9	0.0	17.2	18.7	15.7
Qatar	1021	9.2	83.0	7.8	0.0	9.2	9.8	8.5
Romania	598	36.9	55.4	7.8	0.0	36.9	37.7	36.1
Russian Federation	638	41.0	49.0	9.6	0.4	41.0	39.2	43.0
Saudi Arabia	608	7.8	86.8	5.0	0.4	7.8	5.0	10.4
Scotland	587	41.1	51.4	7.5	0.0	41.1	39.9	42.2
Serbia	568	47.7	44.0	8.3	0.0	47.7	41.9	53.2
Singapore	657	62.0	36.3	1.6	0.1	62.0	57.7	65.9
Slovenia	580	57.0	40.2	2.8	0.0	57.0	51.9	61.9
Sweden	739	38.3	55.6	5.9	0.2	38.3	35.6	40.8
Syrian Arab Republic	664	18.5	75.6	5.9	0.0	18.5	14.0	23.5
Thailand	786	25.3	71.6	3.1	0.0	25.3	24.1	26.5
Tunisia	586	24.2	70.4	5.2	0.2	24.2	23.9	24.7
Turkey	634	26.6	65.1	8.3	0.0	26.6	26.4	26.8
Ukraine	639	27.9	62.0	10.1	0.0	27.9	26.4	29.6
United States	1063	47.9	50.1	1.9	0.1	47.9	44.4	51.6
International Avg.	640	34.3	58.5	7.0	0.2	34.3	32.4	36.1
Basque Country, Spain	327	49.3	43.0	7.8	0.0	49.3	46.0	52.7
British Columbia, Canada	606	59.2	38.3	2.3	0.2	59.2	56.9	62.0
Dubai, UAE	458	28.9	67.2	3.9	0.0	28.9	25.2	32.1
Massachusetts, US	267	62.5	36.7	0.8	0.0	62.5	61.3	64.0
Minnesota, US	257	58.8	39.6	1.6	0.0	58.8	58.1	59.5
Ontario, Canada	493	48.3	49.6	1.7	0.3	48.3	47.6	49.1
Quebec, Canada	555	68.1	31.1	0.7	0.1	68.1	68.3	67.9

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Number / Applying (M042055 - M02_04)
 Label: Number of boys in the class
 Type: MC Key: B

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	.	.	.	.	.	.	.	.	.	.
Armenia	606	50.9	12.7	50.9	10.5	15.6	8.3	2.0	51.2	50.6
Australia	594	53.2	6.1	53.2	15.5	22.8	2.0	0.4	53.9	52.5
Bahrain	611	33.9	14.2	33.9	23.1	24.6	3.8	0.4	32.5	35.1
Bosnia and Herzegovina	604	49.1	11.1	49.1	17.1	14.2	8.3	0.2	42.5	56.1
Botswana	593	24.7	21.8	24.7	27.6	20.8	4.8	0.3	23.3	26.4
Bulgaria	579	51.2	17.1	51.2	14.8	13.3	3.6	0.1	46.0	56.4
Chinese Taipei	579	83.0	2.4	83.0	10.0	4.6	0.0	0.0	81.8	84.2
Colombia	695	33.2	16.5	33.2	28.0	13.7	7.0	1.5	35.1	31.4
Cyprus	630	39.4	7.5	39.4	16.6	34.4	1.8	0.2	39.7	39.1
Czech Republic	693	60.3	8.2	60.3	14.2	13.0	4.2	0.0	61.1	59.7
Egypt	934	41.8	19.7	41.8	16.8	20.0	1.7	0.0	42.2	41.3
El Salvador	574	27.1	16.1	27.1	26.3	20.9	8.8	0.8	24.4	30.0
England	583	67.0	6.0	67.0	11.9	13.6	1.4	0.1	67.4	66.6
Georgia	610	48.2	20.7	48.2	15.5	8.2	6.4	0.9	41.5	54.4
Ghana	749	38.7	26.3	38.7	17.6	14.1	3.2	0.0	37.7	39.6
Hong Kong SAR	490	69.9	3.0	69.9	11.2	15.4	0.0	0.4	67.3	72.7
Hungary	574	61.9	12.7	61.9	15.0	8.2	2.1	0.0	59.3	64.4
Indonesia	601	38.0	13.7	38.0	17.6	26.1	4.5	0.0	33.9	42.1
Iran, Islamic Rep. of	573	34.4	24.4	34.4	18.3	18.7	3.6	0.6	30.1	38.2
Israel	468	37.7	12.6	37.7	23.6	18.7	6.7	0.7	32.4	43.4
Italy	627	28.9	10.0	28.9	10.5	48.1	2.4	0.1	26.8	30.5
Japan	613	79.1	2.7	79.1	12.6	4.7	0.6	0.2	75.9	82.8
Jordan	741	30.4	18.7	30.4	18.8	27.7	4.3	0.2	27.5	32.9
Korea, Rep. of	607	85.4	2.0	85.4	8.0	4.3	0.4	0.0	87.6	83.4
Kuwait	561	32.7	11.8	32.7	23.4	25.5	6.0	0.5	32.1	33.3
Lebanon	530	27.4	12.8	27.4	19.4	31.9	8.4	0.1	25.4	29.7
Lithuania	570	52.0	9.6	52.0	15.4	19.1	4.0	0.0	49.1	55.0
Malaysia	639	53.9	6.1	53.9	18.6	17.7	3.2	0.4	53.9	54.0
Malta	662	45.4	10.6	45.4	20.5	21.4	1.7	0.3	43.2	47.6
Morocco	.	.	.	.	.	.	.	.	.	.
Norway	652	37.2	7.5	37.2	16.2	36.9	1.9	0.2	39.1	35.3
Oman	661	22.4	14.6	22.4	20.9	33.8	7.2	1.0	18.9	26.4
Palestinian Nat'l Auth.	636	26.5	17.2	26.5	19.7	33.7	2.9	0.0	22.4	30.6
Qatar	1020	29.1	17.5	29.1	28.1	23.9	1.5	0.0	28.2	30.0
Romania	598	41.6	13.3	41.6	17.5	20.3	7.3	0.0	36.5	46.8
Russian Federation	638	47.6	10.7	47.6	10.7	26.2	4.3	0.5	42.1	53.4
Saudi Arabia	607	24.0	19.7	24.0	21.4	30.9	3.6	0.4	21.2	26.6
Scotland	587	56.2	9.4	56.2	15.3	15.8	3.4	0.0	55.9	56.4
Serbia	569	60.1	5.8	60.1	12.6	14.7	6.9	0.0	54.7	65.1
Singapore	657	88.1	2.3	88.1	6.0	2.7	0.7	0.1	89.3	87.1
Slovenia	580	53.4	9.6	53.4	16.2	19.1	1.7	0.0	49.8	56.9
Sweden	739	39.9	2.7	39.9	24.7	29.5	3.0	0.2	44.9	35.3
Syrian Arab Republic	664	31.6	13.6	31.6	25.8	26.0	3.0	0.0	32.4	30.7
Thailand	786	47.5	7.5	47.5	22.0	21.5	1.4	0.0	50.2	45.1
Tunisia	585	24.8	16.3	24.8	19.6	29.6	9.3	0.4	27.0	22.1
Turkey	634	29.9	5.8	29.9	21.7	39.8	2.9	0.0	29.4	30.4
Ukraine	639	53.0	11.7	53.0	18.2	12.3	4.7	0.0	51.9	54.2
United States	1063	49.1	7.0	49.1	14.9	27.4	1.5	0.1	46.3	52.0
International Avg.	643	45.5	11.7	45.5	17.7	21.0	3.8	0.3	43.9	47.2
Basque Country, Spain	.	.	.	.	.	.	.	.	.	.
British Columbia, Canada	606	55.2	5.3	55.2	13.4	23.9	1.9	0.2	52.9	58.1
Dubai, UAE	457	43.0	15.1	43.0	16.6	22.3	3.0	0.0	35.4	49.6
Massachusetts, US	267	50.1	6.0	50.1	8.2	32.8	3.0	0.0	48.4	52.1
Minnesota, US	257	53.5	1.8	53.5	11.7	31.3	1.8	0.0	55.4	51.5
Ontario, Canada	493	57.0	8.0	57.0	12.1	22.4	0.1	0.3	52.2	62.1
Quebec, Canada	555	31.9	5.4	31.9	10.8	49.4	2.4	0.1	28.9	35.0

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Number / Applying (M042039 - M02_05)
 Label: How much Alan save with discount
 Type: MC Key: A

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	776	61.6	61.6	4.9	21.8	7.3	3.3	1.1	65.5	57.8
Armenia	608	48.6	48.6	8.3	19.7	11.4	9.5	2.7	48.0	49.2
Australia	594	49.2	49.2	15.3	16.8	16.4	1.9	0.4	45.4	52.6
Bahrain	611	20.6	20.6	11.9	48.6	15.4	3.1	0.4	19.0	22.1
Bosnia and Herzegovina	604	35.4	35.4	13.8	29.9	16.4	4.3	0.2	31.7	39.3
Botswana	593	32.2	32.2	7.7	46.3	9.6	3.6	0.5	30.5	34.1
Bulgaria	579	49.2	49.2	8.1	24.9	15.4	2.2	0.1	47.9	50.6
Chinese Taipei	579	59.2	59.2	3.6	9.4	27.5	0.3	0.0	57.2	61.2
Colombia	695	27.5	27.5	12.7	46.3	8.7	2.2	2.7	21.5	33.2
Cyprus	630	42.9	42.9	17.3	19.0	19.1	1.5	0.2	44.9	41.0
Czech Republic	693	56.2	56.2	10.8	11.0	21.0	1.0	0.0	51.7	60.4
Egypt	933	34.2	34.2	11.2	40.5	12.4	1.7	0.0	37.7	30.7
El Salvador	574	20.4	20.4	12.4	54.3	8.4	3.3	1.1	19.4	21.4
England	583	55.9	55.9	14.0	8.6	20.0	1.5	0.1	54.0	58.0
Georgia	610	46.5	46.5	5.2	36.0	8.3	3.1	0.9	45.6	47.4
Ghana	749	21.1	21.1	6.3	64.3	6.2	2.1	0.0	23.4	19.2
Hong Kong SAR	490	63.1	63.1	6.2	5.3	24.8	0.2	0.4	61.5	64.7
Hungary	574	63.8	63.8	10.7	11.6	12.2	1.6	0.1	64.0	63.6
Indonesia	601	36.0	36.0	8.1	42.1	9.4	3.9	0.5	38.4	33.7
Iran, Islamic Rep. of	573	23.7	23.7	8.9	48.1	16.0	2.7	0.6	23.6	23.7
Israel	468	49.9	49.9	9.2	19.6	16.3	4.1	0.9	45.8	54.4
Italy	627	47.1	47.1	13.0	18.7	19.0	2.1	0.1	47.6	46.6
Japan	613	50.0	50.0	6.2	12.0	31.2	0.3	0.2	50.6	49.4
Jordan	741	38.9	38.9	9.1	38.4	11.9	1.3	0.3	41.8	36.2
Korea, Rep. of	607	62.3	62.3	3.8	5.6	27.8	0.5	0.0	66.6	58.7
Kuwait	561	20.8	20.8	17.0	40.8	16.2	4.7	0.5	21.0	20.5
Lebanon	531	35.5	35.5	9.3	34.3	15.5	5.2	0.2	33.8	37.3
Lithuania	569	68.4	68.4	7.8	10.5	12.2	1.1	0.0	70.1	66.7
Malaysia	639	60.3	60.3	4.9	15.0	17.7	1.6	0.5	61.4	59.1
Malta	662	56.2	56.2	7.9	13.9	20.3	1.4	0.3	56.7	55.6
Morocco	440	27.2	27.2	10.1	45.1	12.0	5.1	0.5	31.7	22.2
Norway	652	54.0	54.0	15.9	11.7	16.8	1.3	0.2	54.3	53.8
Oman	661	37.1	37.1	8.4	40.8	10.4	2.0	1.3	46.3	26.8
Palestinian Nat'l Auth.	636	27.1	27.1	12.6	46.9	11.4	2.0	0.0	26.1	28.1
Qatar	1021	22.5	22.5	18.9	44.3	13.4	0.9	0.0	22.7	22.3
Romania	598	52.9	52.9	7.7	22.1	13.7	3.5	0.0	52.3	53.6
Russian Federation	638	52.1	52.1	10.9	18.4	16.4	1.4	0.7	50.1	54.2
Saudi Arabia	608	13.9	13.9	12.5	58.3	11.4	3.4	0.4	13.2	14.6
Scotland	587	56.5	56.5	12.7	11.9	16.8	1.8	0.2	54.7	58.2
Serbia	569	42.1	42.1	12.1	19.7	19.2	6.9	0.0	37.8	46.2
Singapore	657	67.3	67.3	2.6	3.7	25.8	0.5	0.1	68.3	66.4
Slovenia	580	52.7	52.7	17.6	9.9	18.1	1.6	0.0	47.5	57.8
Sweden	739	64.7	64.7	11.0	5.0	17.4	1.8	0.2	63.7	65.5
Syrian Arab Republic	664	22.1	22.1	13.4	51.9	10.9	1.6	0.1	20.9	23.5
Thailand	786	37.7	37.7	11.2	38.0	11.7	1.4	0.0	41.3	34.3
Tunisia	586	23.3	23.3	14.9	40.6	17.7	2.6	0.8	21.2	25.9
Turkey	634	33.7	33.7	8.2	41.9	14.5	1.8	0.0	30.6	36.6
Ukraine	639	42.6	42.6	18.7	24.4	12.8	1.3	0.2	42.7	42.6
United States	1063	55.2	55.2	8.4	12.7	22.1	1.4	0.2	54.9	55.6
International Avg.	641	43.3	43.3	10.5	27.8	15.6	2.4	0.4	43.0	43.6
Basque Country, Spain	327	59.4	59.4	6.5	10.1	22.3	1.7	0.0	55.4	63.5
British Columbia, Canada	606	57.3	57.3	9.9	9.5	20.5	2.5	0.3	56.4	58.3
Dubai, UAE	458	37.1	37.1	10.5	27.2	22.9	2.4	0.0	35.3	38.6
Massachusetts, US	267	63.8	63.8	6.9	8.3	17.8	3.2	0.0	64.6	62.9
Minnesota, US	257	63.1	63.1	4.9	6.5	24.5	1.0	0.0	60.6	65.6
Ontario, Canada	493	58.6	58.6	10.7	12.0	17.8	0.6	0.3	55.9	61.5
Quebec, Canada	555	60.7	60.7	8.6	9.8	19.0	1.7	0.1	61.8	59.7

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Algebra / Knowing (M042199 - M02_06)
 Label: Equivalent expression
 Type: MC Key: D

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	775	19.4	10.7	25.8	29.7	19.4	13.1	1.3	20.7	18.1
Armenia	609	69.1	2.6	10.0	7.2	69.1	8.3	2.7	69.4	68.9
Australia	594	50.8	5.4	18.6	19.4	50.8	5.4	0.4	48.8	52.5
Bahrain	611	52.2	5.0	17.9	20.2	52.2	4.3	0.4	64.0	41.5
Bosnia and Herzegovina	604	64.7	4.4	10.6	14.9	64.7	5.2	0.2	63.8	65.7
Botswana	593	55.7	5.6	19.0	15.7	55.7	2.9	1.2	61.9	48.7
Bulgaria	579	62.0	3.6	11.9	16.7	62.0	5.2	0.6	72.9	51.1
Chinese Taipei	579	90.1	1.1	3.6	5.0	90.1	0.1	0.0	91.0	89.3
Colombia	695	37.6	4.0	29.2	21.4	37.6	4.4	3.3	33.7	41.4
Cyprus	630	73.8	2.9	9.6	12.6	73.8	1.0	0.2	77.1	70.7
Czech Republic	693	75.8	1.7	6.8	13.2	75.8	2.5	0.0	78.7	73.2
Egypt	935	53.6	5.7	19.0	19.8	53.6	1.8	0.0	61.1	46.2
El Salvador	574	37.8	4.9	28.3	23.7	37.8	4.2	1.1	38.5	37.1
England	583	71.2	1.6	8.2	16.6	71.2	2.4	0.1	70.1	72.4
Georgia	610	50.4	7.0	18.4	19.2	50.4	3.9	1.2	44.6	55.7
Ghana	749	47.3	6.3	22.2	22.0	47.3	2.2	0.0	45.3	49.0
Hong Kong SAR	490	88.5	1.3	3.7	5.6	88.5	0.4	0.4	92.6	84.1
Hungary	574	76.4	1.9	9.4	9.8	76.4	2.2	0.2	78.7	74.3
Indonesia	601	39.8	8.0	23.3	22.7	39.8	5.6	0.7	45.7	33.9
Iran, Islamic Rep. of	573	61.2	4.1	15.0	17.8	61.2	1.3	0.6	68.0	55.2
Israel	468	76.4	2.5	8.6	8.5	76.4	3.2	0.9	78.3	74.2
Italy	627	57.2	2.9	16.4	18.2	57.2	5.2	0.1	64.6	51.3
Japan	613	91.6	1.3	3.7	2.8	91.6	0.3	0.2	92.6	90.5
Jordan	741	60.3	3.7	17.5	15.8	60.3	2.4	0.3	62.4	58.3
Korea, Rep. of	607	89.4	1.1	4.1	5.0	89.4	0.4	0.0	91.8	87.3
Kuwait	561	39.6	7.5	24.4	21.3	39.6	6.7	0.5	39.6	39.6
Lebanon	533	80.3	0.3	5.9	8.4	80.3	4.8	0.2	82.8	77.6
Lithuania	569	67.6	5.2	12.0	12.5	67.6	2.7	0.0	69.4	65.7
Malaysia	639	65.7	5.1	11.7	15.3	65.7	1.4	0.8	73.1	57.5
Malta	662	70.0	5.0	8.9	13.8	70.0	2.0	0.3	75.0	65.1
Morocco	440	49.3	6.5	13.6	24.5	49.3	5.4	0.7	48.7	50.1
Norway	652	55.1	3.4	17.2	19.5	55.1	3.9	0.9	55.8	54.3
Oman	661	54.6	8.5	18.3	14.0	54.6	3.3	1.3	62.8	45.4
Palestinian Nat'l Auth.	636	39.9	9.3	21.7	26.9	39.9	2.1	0.0	42.6	37.2
Qatar	1021	35.1	11.8	28.5	23.4	35.1	1.3	0.0	37.7	32.3
Romania	598	65.5	4.7	14.2	12.8	65.5	2.7	0.2	69.8	61.0
Russian Federation	638	78.0	2.6	8.3	8.8	78.0	1.4	0.9	80.9	75.0
Saudi Arabia	608	36.9	6.7	27.4	24.8	36.9	3.8	0.4	42.2	32.0
Scotland	587	66.7	6.2	10.5	13.3	66.7	3.1	0.2	63.9	69.3
Serbia	570	70.9	2.6	9.8	12.5	70.9	4.1	0.0	74.1	68.0
Singapore	657	86.9	2.2	2.3	7.7	86.9	0.7	0.1	89.9	84.2
Slovenia	580	57.0	3.0	15.7	23.3	57.0	1.1	0.0	55.3	58.6
Sweden	739	61.0	4.5	11.1	18.5	61.0	4.7	0.2	58.7	63.2
Syrian Arab Republic	664	49.2	3.4	19.2	26.0	49.2	2.1	0.1	50.3	47.9
Thailand	786	43.2	11.9	21.4	21.2	43.2	2.0	0.2	49.1	37.7
Tunisia	585	37.8	5.2	26.1	26.5	37.8	3.5	1.0	37.7	37.8
Turkey	634	54.8	6.8	18.3	18.1	54.8	2.1	0.0	55.7	53.9
Ukraine	639	59.7	5.8	13.2	17.6	59.7	3.4	0.2	64.3	54.6
United States	1063	65.0	5.6	11.0	16.0	65.0	1.9	0.4	64.5	65.6
International Avg.	641	60.0	4.8	14.9	16.5	60.0	3.2	0.5	62.4	57.6
Basque Country, Spain	327	79.6	2.3	6.8	8.9	79.6	2.4	0.0	84.3	74.6
British Columbia, Canada	606	52.7	6.0	14.9	22.6	52.7	3.5	0.3	53.5	51.8
Dubai, UAE	457	71.4	3.3	10.0	13.4	71.4	1.8	0.1	75.7	67.7
Massachusetts, US	267	72.7	3.9	9.0	11.4	72.7	3.1	0.0	75.6	69.1
Minnesota, US	257	68.9	3.4	8.7	17.3	68.9	1.5	0.0	76.8	60.6
Ontario, Canada	493	37.8	10.8	21.3	26.6	37.8	3.2	0.3	32.2	43.7
Quebec, Canada	555	80.3	1.7	6.9	9.5	80.3	1.5	0.1	81.9	78.5

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Algebra / Knowing (M042301A - M02_07A)

Label: Complete the table

Type: CR Key: -

COUNTRY	N	10	79	OMIT TED	NOT	V1	1.GIRL %Right	2.BOY %Right
					REACH ED			
Algeria	769	33.9	59.1	5.5	1.5	33.9	35.5	32.3
Armenia	609	51.8	19.0	26.1	3.1	51.8	52.6	50.9
Australia	594	44.1	51.9	3.6	0.5	44.1	39.3	48.2
Bahrain	611	46.0	49.2	4.3	0.4	46.0	55.1	37.8
Bosnia and Herzegovina	604	41.2	48.1	10.5	0.2	41.2	46.2	35.8
Botswana	593	48.1	45.4	4.7	1.8	48.1	53.7	41.8
Bulgaria	579	38.7	43.0	17.7	0.6	38.7	43.0	34.4
Chinese Taipei	579	85.2	12.4	2.4	0.0	85.2	86.5	83.9
Colombia	695	42.9	45.3	8.1	3.7	42.9	43.5	42.3
Cyprus	630	44.8	47.4	7.5	0.2	44.8	50.4	39.6
Czech Republic	693	54.0	40.8	5.1	0.0	54.0	54.5	53.6
Egypt	935	32.4	59.4	8.1	0.1	32.4	32.2	32.6
El Salvador	575	26.2	55.1	17.6	1.1	26.2	25.2	27.3
England	583	68.3	30.0	1.7	0.1	68.3	71.2	65.0
Georgia	610	33.1	34.4	30.8	1.7	33.1	34.8	31.5
Ghana	749	32.0	53.3	14.6	0.1	32.0	29.6	33.9
Hong Kong SAR	490	75.8	20.8	3.0	0.4	75.8	79.7	71.4
Hungary	574	62.0	34.1	3.5	0.4	62.0	65.9	58.3
Indonesia	600	41.0	51.4	6.9	0.7	41.0	42.0	39.9
Iran, Islamic Rep. of	573	41.8	49.3	8.0	0.9	41.8	43.6	40.2
Israel	468	46.7	43.8	8.6	1.0	46.7	53.0	39.8
Italy	627	59.3	34.5	5.9	0.3	59.3	63.5	56.0
Japan	613	81.5	14.2	4.1	0.2	81.5	80.0	83.1
Jordan	741	49.8	46.9	2.9	0.3	49.8	56.0	44.1
Korea, Rep. of	607	71.4	27.0	1.5	0.0	71.4	69.3	73.3
Kuwait	562	31.6	60.0	7.7	0.7	31.6	37.0	25.9
Lebanon	535	37.3	52.6	9.6	0.5	37.3	42.8	31.2
Lithuania	570	37.2	57.9	5.0	0.0	37.2	36.7	37.6
Malaysia	639	45.2	50.3	3.5	1.1	45.2	44.3	46.2
Malta	662	65.6	31.6	2.5	0.3	65.6	70.1	61.1
Morocco	446	8.2	80.4	10.7	0.7	8.2	10.9	5.2
Norway	652	55.1	39.0	4.7	1.2	55.1	60.7	49.7
Oman	661	45.6	48.9	3.9	1.6	45.6	53.6	36.6
Palestinian Nat'l Auth.	636	40.2	57.0	2.8	0.0	40.2	47.9	32.3
Qatar	1021	24.4	60.4	15.1	0.1	24.4	31.3	17.3
Romania	598	34.0	55.9	10.0	0.2	34.0	35.2	32.7
Russian Federation	638	51.1	40.9	6.9	1.0	51.1	57.7	44.3
Saudi Arabia	608	36.0	58.3	5.2	0.5	36.0	38.5	33.6
Scotland	587	55.2	39.9	4.6	0.2	55.2	60.9	50.0
Serbia	570	45.8	43.9	10.3	0.0	45.8	50.1	41.8
Singapore	657	64.1	34.4	1.4	0.1	64.1	66.1	62.2
Slovenia	580	73.9	24.1	2.0	0.0	73.9	76.4	71.4
Sweden	739	57.9	35.6	6.3	0.2	57.9	58.5	57.2
Syrian Arab Republic	664	53.6	39.8	6.4	0.1	53.6	58.7	47.9
Thailand	786	45.0	48.8	6.0	0.2	45.0	49.3	41.0
Tunisia	585	30.8	61.5	6.6	1.0	30.8	33.5	27.5
Turkey	634	40.0	46.6	13.4	0.0	40.0	40.7	39.4
Ukraine	639	42.4	42.8	14.4	0.4	42.4	44.5	40.0
United States	1063	51.8	45.0	2.7	0.4	51.8	53.0	50.7
International Avg.	641	47.4	44.3	7.6	0.6	47.4	50.3	44.5
Basque Country, Spain	327	52.8	42.6	4.5	0.0	52.8	49.8	56.0
British Columbia, Canada	606	54.5	42.2	2.9	0.4	54.5	55.1	53.8
Dubai, UAE	458	50.5	44.1	5.2	0.2	50.5	52.3	48.9
Massachusetts, US	267	68.1	30.6	1.0	0.4	68.1	70.8	64.7
Minnesota, US	257	53.9	45.1	1.0	0.0	53.9	50.9	57.0
Ontario, Canada	493	38.3	57.9	3.5	0.4	38.3	38.7	37.9
Quebec, Canada	555	55.3	43.2	1.4	0.1	55.3	55.7	54.9

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Algebra / Reasoning (M042301B - M02_07B)
 Label: Interior angles of 10-sided polygon
 Type: CR Key: -

COUNTRY	N	10	79	OMIT TED	NOT	V1	1.GIRL %Right	2.BOY %Right
					REACH ED			
Algeria	771	9.1	76.0	13.3	1.6	9.1	7.2	10.9
Armenia	608	37.8	34.5	24.3	3.4	37.8	40.6	34.8
Australia	594	34.7	52.2	12.4	0.7	34.7	32.9	36.3
Bahrain	611	23.1	67.6	8.5	0.7	23.1	27.9	18.8
Bosnia and Herzegovina	604	21.6	50.5	27.7	0.2	21.6	22.9	20.3
Botswana	593	23.3	68.3	4.9	3.4	23.3	24.5	22.0
Bulgaria	578	23.4	49.6	26.2	0.9	23.4	25.9	20.8
Chinese Taipei	579	80.4	16.3	3.3	0.0	80.4	80.3	80.6
Colombia	695	16.4	60.1	19.4	4.1	16.4	14.9	17.8
Cyprus	630	24.6	56.9	18.2	0.3	24.6	24.9	24.3
Czech Republic	693	23.4	57.1	19.4	0.1	23.4	23.6	23.2
Egypt	936	15.0	73.1	11.6	0.3	15.0	12.1	17.9
El Salvador	575	4.6	63.3	29.8	2.3	4.6	4.0	5.3
England	583	44.2	45.0	10.8	0.1	44.2	47.3	40.8
Georgia	610	12.1	45.2	41.0	1.7	12.1	10.0	14.1
Ghana	749	13.3	70.2	16.2	0.3	13.3	9.7	16.2
Hong Kong SAR	490	62.1	34.0	3.5	0.4	62.1	66.0	57.8
Hungary	574	38.8	51.2	9.6	0.4	38.8	41.6	36.0
Indonesia	600	20.5	66.5	12.3	0.7	20.5	19.9	21.1
Iran, Islamic Rep. of	573	20.6	64.7	13.7	1.0	20.6	20.0	21.2
Israel	468	22.8	58.2	18.0	1.1	22.8	24.9	20.6
Italy	627	29.2	51.3	19.1	0.4	29.2	27.1	30.9
Japan	613	74.3	23.5	1.7	0.4	74.3	72.7	76.0
Jordan	741	33.0	60.4	6.2	0.4	33.0	37.6	28.9
Korea, Rep. of	607	63.5	34.8	1.7	0.0	63.5	61.0	65.7
Kuwait	562	10.5	74.8	14.0	0.7	10.5	14.3	6.3
Lebanon	535	17.6	62.5	19.4	0.6	17.6	16.2	19.1
Lithuania	570	21.0	63.6	15.5	0.0	21.0	22.1	19.8
Malaysia	639	25.1	66.2	7.5	1.3	25.1	25.6	24.5
Malta	662	29.0	62.4	8.1	0.5	29.0	27.2	30.8
Morocco	446	2.9	76.2	20.2	0.7	2.9	2.7	3.1
Norway	652	25.8	60.3	12.7	1.2	25.8	27.6	24.1
Oman	661	27.9	65.8	4.2	2.0	27.9	32.5	22.7
Palestinian Nat'l Auth.	636	15.8	75.7	8.3	0.2	15.8	16.9	14.7
Qatar	1021	8.5	75.3	15.9	0.2	8.5	9.3	7.7
Romania	598	27.8	57.9	14.1	0.2	27.8	32.2	23.4
Russian Federation	638	33.3	47.9	17.5	1.4	33.3	35.6	30.9
Saudi Arabia	608	8.9	83.8	6.8	0.5	8.9	9.5	8.3
Scotland	587	34.5	49.9	15.4	0.2	34.5	36.0	33.0
Serbia	570	28.8	48.6	22.6	0.0	28.8	29.5	28.1
Singapore	657	58.8	38.3	2.7	0.2	58.8	61.3	56.6
Slovenia	580	46.5	48.6	4.7	0.2	46.5	45.0	47.9
Sweden	739	32.4	52.2	15.2	0.2	32.4	31.0	33.7
Syrian Arab Republic	664	17.3	73.7	8.6	0.4	17.3	15.2	19.6
Thailand	786	22.5	65.3	11.7	0.4	22.5	24.4	20.8
Tunisia	585	10.3	76.4	12.1	1.2	10.3	10.7	9.8
Turkey	634	23.0	62.9	14.1	0.0	23.0	23.1	22.8
Ukraine	639	16.0	60.9	22.8	0.4	16.0	16.9	14.9
United States	1063	34.8	58.7	6.0	0.5	34.8	34.5	35.0
International Avg.	642	27.6	57.9	13.7	0.8	27.6	28.1	26.9
Basque Country, Spain	327	24.4	60.5	15.1	0.0	24.4	24.1	24.8
British Columbia, Canada	606	41.0	47.1	11.5	0.4	41.0	38.3	44.1
Dubai, UAE	458	30.8	57.0	11.8	0.3	30.8	29.0	32.4
Massachusetts, US	267	55.4	40.3	3.9	0.4	55.4	55.9	54.9
Minnesota, US	257	40.4	53.9	5.6	0.0	40.4	38.0	43.0
Ontario, Canada	493	30.4	59.2	10.0	0.4	30.4	29.9	30.9
Quebec, Canada	555	41.3	50.2	8.4	0.1	41.3	43.6	38.9

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Algebra / Reasoning (M042301C - M02_07C)
 Label: Interior angles of n-sided polygon
 Type: CR Key: -

COUNTRY	N	10	70	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	765	1.0	2.3	56.7	37.9	2.1	1.0	0.4	1.6
Armenia	609	43.9	12.4	14.5	25.9	3.4	43.9	47.0	40.6
Australia	594	11.9	20.2	44.4	22.4	1.1	11.9	10.4	13.3
Bahrain	611	10.5	25.7	47.2	16.0	0.7	10.5	11.8	9.3
Bosnia and Herzegovina	604	10.0	29.6	23.3	36.9	0.2	10.0	11.3	8.7
Botswana	593	4.4	19.8	65.3	6.3	4.3	4.4	5.3	3.3
Bulgaria	579	13.8	16.5	29.5	39.0	1.1	13.8	15.5	12.2
Chinese Taipei	579	76.5	13.8	5.9	3.8	0.0	76.5	76.9	76.2
Colombia	695	1.2	15.2	56.7	20.9	6.0	1.2	0.6	1.8
Cyprus	630	11.2	42.7	20.2	25.6	0.3	11.2	12.5	10.0
Czech Republic	693	6.4	20.3	37.8	35.4	0.1	6.4	7.0	5.8
Egypt	936	5.4	14.7	67.2	12.1	0.5	5.4	5.2	5.7
El Salvador	575	0.1	15.5	43.3	38.5	2.6	0.1	0.0	0.2
England	583	26.2	22.8	37.9	13.1	0.1	26.2	29.2	23.0
Georgia	611	9.5	19.8	24.2	44.0	2.5	9.5	7.0	11.8
Ghana	749	2.9	7.1	62.1	27.4	0.6	2.9	2.5	3.1
Hong Kong SAR	490	58.3	29.3	8.1	3.9	0.4	58.3	61.6	54.6
Hungary	574	21.1	22.4	37.4	18.5	0.6	21.1	24.5	17.8
Indonesia	600	2.0	8.5	68.7	20.0	0.8	2.0	2.7	1.3
Iran, Islamic Rep. of	569	10.1	16.1	49.1	23.0	1.7	10.1	10.1	10.1
Israel	468	11.9	27.8	31.4	27.6	1.3	11.9	14.7	8.8
Italy	627	11.6	19.6	34.0	34.1	0.8	11.6	11.7	11.4
Japan	613	76.5	11.9	9.1	2.0	0.4	76.5	79.7	73.0
Jordan	741	14.9	35.4	42.8	6.6	0.4	14.9	19.4	10.8
Korea, Rep. of	607	55.0	25.0	15.5	4.5	0.0	55.0	53.1	56.6
Kuwait	569	1.5	8.0	63.4	26.1	1.0	1.5	2.5	0.4
Lebanon	535	6.2	19.4	40.4	33.3	0.7	6.2	3.9	8.9
Lithuania	570	9.4	41.1	25.8	23.7	0.0	9.4	10.5	8.3
Malaysia	639	3.3	10.0	66.7	18.4	1.5	3.3	4.0	2.4
Malta	661	12.1	29.3	42.2	16.0	0.5	12.1	7.1	17.0
Morocco	446	0.5	24.1	30.7	43.8	0.9	0.5	0.0	1.0
Norway	652	2.9	15.0	56.2	24.8	1.2	2.9	2.0	3.8
Oman	661	16.8	19.4	49.4	12.4	2.0	16.8	23.5	9.2
Palestinian Nat'l Auth.	635	6.2	17.3	65.6	10.5	0.4	6.2	7.1	5.3
Qatar	1021	0.8	8.4	72.4	18.2	0.2	0.8	0.8	0.8
Romania	598	14.0	36.3	28.4	21.2	0.2	14.0	16.7	11.2
Russian Federation	638	21.7	24.4	22.9	29.6	1.4	21.7	24.8	18.6
Saudi Arabia	608	1.3	9.4	76.6	12.0	0.6	1.3	1.8	0.9
Scotland	587	12.2	21.9	42.7	22.8	0.3	12.2	15.4	9.4
Serbia	570	19.8	25.6	25.3	29.3	0.0	19.8	19.6	19.9
Singapore	657	54.9	21.7	20.0	3.2	0.2	54.9	59.5	50.7
Slovenia	580	25.9	40.5	25.9	7.5	0.2	25.9	25.5	26.3
Sweden	739	8.4	20.6	41.7	28.7	0.5	8.4	7.4	9.3
Syrian Arab Republic	664	8.3	26.5	46.7	18.1	0.4	8.3	8.5	8.1
Thailand	786	8.1	22.0	51.7	17.8	0.4	8.1	8.6	7.6
Tunisia	586	1.8	31.7	43.8	20.6	2.1	1.8	2.0	1.5
Turkey	634	16.2	14.9	48.8	20.1	0.0	16.2	15.9	16.6
Ukraine	639	6.2	15.2	48.3	29.8	0.5	6.2	5.5	7.0
United States	1063	13.1	34.1	45.3	6.8	0.7	13.1	14.0	12.1
International Avg.	641	15.7	21.0	41.1	21.2	1.0	15.7	16.5	14.8
Basque Country, Spain	327	14.5	39.2	23.4	22.4	0.4	14.5	16.3	12.6
British Columbia, Canada	606	14.3	19.3	49.8	16.2	0.4	14.3	12.5	16.6
Dubai, UAE	458	17.4	12.6	51.1	18.7	0.3	17.4	15.8	18.7
Massachusetts, US	267	35.5	34.9	24.2	4.6	0.8	35.5	32.1	39.6
Minnesota, US	257	17.6	31.5	46.4	4.5	0.1	17.6	17.3	17.8
Ontario, Canada	493	11.3	31.6	41.8	14.9	0.4	11.3	10.4	12.2
Quebec, Canada	555	27.5	31.3	28.8	12.4	0.1	27.5	29.6	25.4

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Algebra / Reasoning (M042263 - M02_08)
 Label: Cost of 1 pen and 2 pencils
 Type: CR Key: -

COUNTRY	N	10	11	70	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	763	1.8	0.1	1.0	57.9	36.4	2.8	1.9	2.0	1.9
Armenia	608	19.0	2.1	10.5	21.1	43.9	3.4	21.0	22.7	19.3
Australia	595	2.4	33.1	1.6	39.3	22.2	1.3	35.5	33.2	37.5
Bahrain	611	0.8	3.2	4.3	62.3	28.8	0.7	3.9	4.9	3.0
Bosnia and Herzegovina	604	5.0	2.5	0.5	29.3	62.5	0.2	7.5	5.4	9.8
Botswana	593	0.1	1.6	0.4	79.8	13.8	4.3	1.7	2.0	1.3
Bulgaria	579	13.2	3.9	4.9	26.7	50.3	1.1	17.0	23.1	10.9
Chinese Taipei	579	60.4	7.8	4.7	19.2	8.0	0.0	68.1	69.7	66.7
Colombia	695	1.3	7.5	2.3	54.1	28.4	6.5	8.8	6.5	11.0
Cyprus	630	5.2	6.3	7.4	39.6	41.0	0.6	11.4	13.7	9.3
Czech Republic	693	6.4	18.2	3.6	42.6	29.1	0.1	24.6	25.6	23.7
Egypt	937	0.4	1.5	2.4	69.5	25.6	0.5	1.9	2.0	1.8
El Salvador	575	0.0	1.9	1.3	43.8	49.5	3.5	1.9	1.2	2.8
England	583	0.7	33.6	1.2	46.1	18.3	0.1	34.3	38.3	30.0
Georgia	611	5.7	2.8	2.8	21.1	65.2	2.5	8.5	7.8	9.1
Ghana	749	0.4	0.7	0.3	54.8	42.9	0.9	1.1	0.6	1.5
Hong Kong SAR	490	48.2	5.0	0.4	31.8	14.1	0.4	53.2	58.4	47.6
Hungary	574	13.7	10.2	3.2	38.3	33.8	0.8	23.9	26.7	21.1
Indonesia	601	2.6	5.3	1.5	62.5	27.2	1.0	7.9	7.8	7.9
Iran, Islamic Rep. of	569	1.3	1.9	3.9	54.6	36.0	2.4	3.2	3.9	2.5
Israel	468	18.5	5.3	2.9	38.5	33.1	1.8	23.8	26.0	21.3
Italy	627	2.6	16.5	2.9	34.3	42.6	1.1	19.2	19.8	18.6
Japan	613	23.4	18.7	4.9	35.6	16.8	0.6	42.1	42.2	42.0
Jordan	741	4.0	1.3	1.8	71.5	20.7	0.6	5.3	4.3	6.3
Korea, Rep. of	607	33.0	35.1	2.2	24.3	5.4	0.0	68.1	66.3	69.6
Kuwait	570	0.1	1.6	7.1	52.4	37.8	1.0	1.7	2.5	0.8
Lebanon	534	2.6	2.9	1.0	46.8	45.7	1.1	5.4	4.2	6.8
Lithuania	570	13.3	1.9	11.1	35.1	38.6	0.0	15.2	16.1	14.3
Malaysia	639	2.6	11.6	1.4	60.2	22.1	2.0	14.3	15.5	12.9
Malta	662	2.5	18.6	1.2	54.5	22.4	0.8	21.2	22.4	20.0
Morocco	446	1.7	0.5	0.5	39.8	56.5	1.0	2.2	0.9	3.6
Norway	652	1.6	16.8	4.9	43.3	31.9	1.5	18.3	18.8	17.9
Oman	661	0.9	3.5	1.0	71.7	20.8	2.2	4.4	6.1	2.5
Palestinian Nat'l Auth.	635	0.8	0.2	1.3	77.6	19.6	0.4	1.1	0.2	2.0
Qatar	1021	0.2	1.3	3.0	57.5	37.7	0.2	1.5	2.3	0.8
Romania	598	12.7	1.8	4.3	42.3	38.8	0.2	14.5	16.0	12.8
Russian Federation	638	17.2	2.0	5.4	33.8	39.6	2.1	19.1	21.3	16.9
Saudi Arabia	608	0.7	2.0	3.6	70.0	22.8	0.9	2.7	4.0	1.5
Scotland	587	1.4	28.1	1.5	41.5	27.2	0.3	29.4	30.1	28.9
Serbia	570	12.5	2.4	2.7	22.8	59.5	0.1	14.9	13.6	16.1
Singapore	657	21.3	37.6	0.4	36.4	4.1	0.2	58.9	57.2	60.4
Slovenia	580	2.1	28.3	1.8	49.7	18.0	0.2	30.3	28.7	31.9
Sweden	738	2.9	30.9	1.4	37.7	26.6	0.5	33.8	34.4	33.2
Syrian Arab Republic	664	1.7	0.8	5.0	64.7	27.4	0.4	2.5	1.5	3.6
Thailand	786	3.7	9.2	3.6	38.1	44.6	0.9	12.8	14.1	11.7
Tunisia	587	1.8	4.6	2.6	51.0	37.5	2.5	6.3	4.2	9.0
Turkey	634	6.9	11.2	0.6	45.8	35.5	0.0	18.1	17.2	19.0
Ukraine	639	8.9	2.4	3.5	40.7	44.0	0.5	11.3	12.5	10.1
United States	1063	4.8	32.0	1.7	50.5	10.0	0.9	36.9	37.5	36.2
International Avg.	642	8.1	9.8	2.9	46.2	31.9	1.2	17.8	18.3	17.3
Basque Country, Spain	327	9.8	12.0	1.9	53.8	21.9	0.7	21.8	19.9	23.7
British Columbia, Canada	606	6.2	33.2	2.4	43.8	13.8	0.6	39.4	35.2	44.4
Dubai, UAE	458	6.3	10.0	3.2	50.0	30.0	0.6	16.3	18.4	14.5
Massachusetts, US	267	6.2	41.5	1.1	42.6	7.7	0.8	47.7	47.1	48.5
Minnesota, US	257	5.2	42.2	1.3	45.2	6.1	0.1	47.4	44.7	50.3
Ontario, Canada	493	3.2	35.1	2.1	42.7	16.1	0.8	38.3	36.9	39.7
Quebec, Canada	555	13.0	19.0	3.7	49.8	14.3	0.2	32.0	35.9	28.0

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Geometry / Reasoning (M042265 - M02_09)
 Label: Which net when folded forms cube
 Type: MC Key: C

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	773	36.7	9.3	11.9	36.7	32.4	6.7	3.0	35.5	37.8
Armenia	609	23.5	5.4	8.4	23.5	45.6	13.2	4.0	19.9	27.3
Australia	595	72.3	6.6	11.3	72.3	6.7	1.8	1.3	72.9	71.8
Bahrain	611	32.0	6.5	16.6	32.0	40.3	3.9	0.7	34.9	29.4
Bosnia and Herzegovina	604	51.9	7.6	10.8	51.9	25.7	3.8	0.2	47.8	56.3
Botswana	590	18.5	10.1	18.2	18.5	43.7	4.5	5.1	18.7	18.3
Bulgaria	578	41.4	5.2	12.8	41.4	36.5	3.1	1.1	43.8	38.9
Chinese Taipei	579	74.4	5.7	15.9	74.4	2.7	1.3	0.0	70.8	77.9
Colombia	695	26.0	7.9	11.1	26.0	42.8	5.1	7.1	19.1	32.6
Cyprus	630	47.2	12.3	19.0	47.2	20.1	0.9	0.6	48.4	46.0
Czech Republic	693	65.5	5.8	13.6	65.5	12.4	2.7	0.1	69.0	62.2
Egypt	933	21.7	6.3	15.4	21.7	53.1	3.0	0.5	19.2	24.1
El Salvador	575	36.7	11.5	16.2	36.7	27.5	4.4	3.8	35.5	38.0
England	583	72.0	7.1	13.4	72.0	6.4	1.0	0.1	68.0	76.4
Georgia	611	24.3	8.0	17.4	24.3	40.7	6.7	2.9	24.7	23.9
Ghana	749	19.5	11.3	15.7	19.5	46.7	5.8	0.9	16.9	21.7
Hong Kong SAR	490	76.7	5.1	13.1	76.7	4.6	0.0	0.4	75.7	77.9
Hungary	574	65.8	6.8	12.0	65.8	11.0	3.4	1.0	69.3	62.4
Indonesia	601	40.5	8.4	21.3	40.5	26.2	2.4	1.3	38.8	42.1
Iran, Islamic Rep. of	569	29.4	12.5	9.4	29.4	44.1	2.0	2.6	31.9	27.2
Israel	468	37.0	9.4	13.1	37.0	34.5	4.0	2.0	41.1	32.4
Italy	625	48.0	8.8	14.1	48.0	24.3	3.5	1.3	47.2	48.6
Japan	613	82.8	3.4	10.6	82.8	1.5	1.1	0.6	81.7	83.9
Jordan	741	28.6	11.3	22.8	28.6	34.4	2.3	0.7	31.2	26.2
Korea, Rep. of	607	82.8	5.5	9.9	82.8	1.8	0.0	0.0	78.0	86.8
Kuwait	569	11.1	4.7	10.7	11.1	66.0	5.9	1.6	10.5	11.7
Lebanon	525	27.9	7.6	18.8	27.9	36.6	7.8	1.3	29.4	26.2
Lithuania	568	63.0	6.4	13.5	63.0	15.2	1.7	0.2	65.5	60.4
Malaysia	639	43.9	9.6	18.5	43.9	22.7	3.0	2.2	40.0	48.3
Malta	661	51.5	8.8	18.0	51.5	18.7	2.1	0.9	53.7	49.3
Morocco	434	39.4	14.9	23.6	39.4	16.2	4.5	1.3	36.0	43.2
Norway	652	58.6	8.6	8.8	58.6	18.9	3.5	1.5	61.1	56.2
Oman	661	24.7	8.4	11.9	24.7	50.0	2.1	3.0	28.5	20.4
Palestinian Nat'l Auth.	636	39.0	10.8	17.2	39.0	30.9	1.5	0.4	39.5	38.6
Qatar	1021	17.2	8.5	17.9	17.2	51.8	4.3	0.3	19.7	14.6
Romania	598	43.0	9.0	13.4	43.0	31.7	2.6	0.2	43.4	42.6
Russian Federation	638	28.0	7.0	13.7	28.0	44.1	4.3	2.8	27.4	28.7
Saudi Arabia	607	16.5	8.4	17.1	16.5	54.4	2.7	0.9	17.2	15.8
Scotland	587	64.0	7.9	14.6	64.0	12.0	1.0	0.5	61.1	66.6
Serbia	566	51.0	5.8	13.5	51.0	25.0	4.4	0.2	50.5	51.6
Singapore	657	77.2	5.8	11.4	77.2	5.2	0.2	0.2	78.6	75.9
Slovenia	580	65.6	7.1	8.5	65.6	17.6	1.0	0.2	64.8	66.4
Sweden	739	39.8	5.2	10.0	39.8	40.2	4.0	0.8	42.3	37.4
Syrian Arab Republic	664	19.0	4.6	13.2	19.0	59.7	3.1	0.4	20.0	17.8
Thailand	786	35.6	7.6	15.0	35.6	38.1	2.9	0.9	33.8	37.2
Tunisia	587	49.4	11.1	13.5	49.4	19.2	4.4	2.5	43.8	56.3
Turkey	634	27.4	7.1	13.4	27.4	48.9	3.1	0.0	31.5	23.6
Ukraine	639	33.4	6.2	10.9	33.4	45.2	3.7	0.5	35.6	31.0
United States	1063	52.5	8.6	15.7	52.5	21.0	1.2	1.1	51.7	53.4
International Avg.	641	43.5	7.9	14.2	43.5	29.7	3.3	1.3	43.4	43.7
Basque Country, Spain	327	50.2	9.4	20.9	50.2	16.6	2.2	0.7	53.8	46.4
British Columbia, Canada	606	58.1	9.1	12.9	58.1	18.1	1.2	0.6	56.4	60.1
Dubai, UAE	457	28.2	6.7	16.4	28.2	46.0	2.0	0.8	29.9	26.6
Massachusetts, US	267	60.4	8.3	10.7	60.4	14.3	4.9	1.5	54.6	67.4
Minnesota, US	257	72.1	9.8	12.5	72.1	4.6	1.0	0.1	70.4	73.9
Ontario, Canada	493	70.6	12.6	9.4	70.6	4.1	2.2	1.1	67.8	73.5
Quebec, Canada	555	63.8	7.6	16.7	63.8	9.8	1.9	0.2	68.0	59.5

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Geometry / Applying (M042137 - M02_10)

Label: What is the value of $x + y$

Type: MC Key: C

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	773	32.3	14.6	37.7	32.3	5.8	6.4	3.2	34.0	30.7
Armenia	606	44.1	8.3	24.1	44.1	3.6	15.5	4.3	44.2	44.0
Australia	595	39.7	12.0	35.2	39.7	6.5	5.3	1.4	35.0	43.7
Bahrain	611	37.5	17.9	33.9	37.5	5.7	3.9	1.1	38.2	36.9
Bosnia and Herzegovina	604	31.3	14.3	30.7	31.3	8.9	14.6	0.2	30.1	32.6
Botswana	590	23.9	20.1	35.9	23.9	10.4	3.7	6.0	23.4	24.4
Bulgaria	578	42.8	12.3	32.1	42.8	4.5	7.2	1.1	45.7	40.0
Chinese Taipei	579	78.4	4.1	11.7	78.4	4.4	1.5	0.0	76.5	80.1
Colombia	695	24.6	15.7	38.4	24.6	6.7	6.5	8.2	26.4	22.8
Cyprus	630	46.7	10.3	31.3	46.7	7.4	3.4	0.8	51.1	42.6
Czech Republic	693	42.9	9.8	33.5	42.9	5.6	8.0	0.2	42.0	43.7
Egypt	933	45.4	12.4	32.5	45.4	7.1	1.8	0.8	45.5	45.3
El Salvador	574	18.2	29.5	38.8	18.2	3.3	6.4	3.9	19.7	16.5
England	583	49.7	9.4	28.6	49.7	8.2	4.1	0.1	50.5	48.9
Georgia	611	31.4	15.7	36.2	31.4	3.5	10.3	2.9	27.8	34.7
Ghana	749	31.8	19.9	35.7	31.8	8.0	3.2	1.4	30.6	32.8
Hong Kong SAR	490	69.6	15.1	10.7	69.6	2.7	1.4	0.4	68.9	70.3
Hungary	574	41.7	9.1	33.4	41.7	9.1	5.7	1.0	39.9	43.4
Indonesia	601	26.2	17.2	43.0	26.2	5.8	6.6	1.3	28.7	23.7
Iran, Islamic Rep. of	569	34.8	20.0	29.4	34.8	10.0	3.3	2.6	34.7	34.9
Israel	468	37.1	15.1	30.5	37.1	5.8	8.8	2.7	34.1	40.5
Italy	627	37.9	7.2	40.2	37.9	6.5	6.7	1.5	37.5	38.3
Japan	613	77.9	4.8	10.7	77.9	4.3	1.7	0.6	77.7	78.1
Jordan	741	42.7	15.5	28.1	42.7	9.6	3.4	0.7	43.1	42.3
Korea, Rep. of	607	87.4	1.0	7.8	87.4	3.3	0.5	0.0	87.5	87.4
Kuwait	569	34.7	17.2	28.9	34.7	11.6	6.1	1.6	37.9	31.1
Lebanon	530	49.0	10.8	27.1	49.0	6.2	5.5	1.4	46.9	51.2
Lithuania	569	38.0	8.4	36.2	38.0	8.7	8.4	0.2	39.4	36.6
Malaysia	639	52.0	6.0	26.5	52.0	8.4	5.0	2.2	55.7	47.9
Malta	661	51.8	12.0	25.4	51.8	5.9	4.0	0.9	53.7	49.9
Morocco	440	35.1	17.6	35.7	35.1	4.1	6.2	1.3	34.8	35.4
Norway	569	38.9	17.3	30.2	38.9	4.3	7.4	1.9	38.3	39.5
Oman	661	36.0	20.4	30.6	36.0	5.7	4.2	3.0	43.8	27.4
Palestinian Nat'l Auth.	636	39.2	17.7	33.7	39.2	7.4	1.6	0.4	43.0	35.3
Qatar	1021	27.5	23.4	40.2	27.5	6.4	2.0	0.5	29.8	25.1
Romania	598	35.0	14.5	38.0	35.0	6.1	6.3	0.2	30.6	39.6
Russian Federation	638	50.0	10.0	26.0	50.0	5.4	5.7	3.0	56.5	43.3
Saudi Arabia	608	25.3	21.8	40.9	25.3	9.0	2.0	0.9	23.2	27.3
Scotland	587	39.6	14.5	31.6	39.6	7.3	6.4	0.5	38.1	41.1
Serbia	566	37.1	12.2	30.9	37.1	5.5	14.0	0.2	36.9	37.3
Singapore	657	83.6	3.4	10.0	83.6	2.6	0.1	0.2	86.5	81.0
Slovenia	580	43.8	7.0	35.7	43.8	9.6	3.7	0.2	35.8	51.7
Sweden	739	42.3	8.2	34.4	42.3	6.4	8.0	0.8	38.4	45.9
Syrian Arab Republic	664	29.9	18.0	35.6	29.9	12.5	3.5	0.5	31.2	28.5
Thailand	786	40.1	14.1	34.8	40.1	6.1	4.0	0.9	44.7	35.7
Tunisia	587	37.1	12.6	38.1	37.1	4.5	4.6	3.1	32.7	42.4
Turkey	634	42.7	11.7	35.4	42.7	7.1	3.1	0.0	46.2	39.5
Ukraine	639	40.5	14.0	35.7	40.5	5.0	4.3	0.5	37.6	43.7
United States	1063	38.6	13.1	39.6	38.6	4.6	2.7	1.4	38.3	38.9
International Avg.	639	42.1	13.4	31.3	42.1	6.5	5.3	1.5	42.3	41.9
Basque Country, Spain	327	35.3	12.9	35.3	35.3	8.1	7.7	0.7	31.9	38.9
British Columbia, Canada	606	39.3	14.4	35.8	39.3	5.1	4.8	0.6	36.7	42.3
Dubai, UAE	458	47.2	15.5	23.9	47.2	8.7	3.9	0.8	48.8	45.8
Massachusetts, US	267	49.7	10.2	28.0	49.7	4.0	5.0	3.1	49.9	49.4
Minnesota, US	257	43.7	9.5	38.3	43.7	6.7	1.8	0.1	43.1	44.3
Ontario, Canada	493	50.7	12.4	28.6	50.7	3.6	2.8	1.9	48.8	52.8
Quebec, Canada	555	53.5	11.3	20.4	53.5	7.5	6.5	0.8	52.8	54.3

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent.

Mathematics: Geometry / Knowing (M042148 - M02_11)
 Label: Point on the graph
 Type: MC Key: B

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	775	44.1	17.7	44.1	16.4	11.2	6.8	3.9	41.8	46.3
Armenia	595	68.0	7.6	68.0	7.1	3.7	8.5	5.0	72.2	63.7
Australia	595	61.5	10.8	61.5	18.7	4.1	3.0	1.9	57.1	65.4
Bahrain	611	52.1	15.3	52.1	15.7	13.4	2.1	1.4	51.5	52.6
Bosnia and Herzegovina	604	77.2	6.7	77.2	7.6	2.9	5.3	0.3	79.3	74.9
Botswana	589	28.6	18.1	28.6	29.2	12.8	4.7	6.7	29.8	27.2
Bulgaria	579	72.5	8.6	72.5	8.9	6.6	2.2	1.2	70.4	74.6
Chinese Taipei	579	88.2	3.9	88.2	4.0	2.9	1.0	0.0	88.8	87.7
Colombia	695	34.9	15.8	34.9	22.3	12.7	4.6	9.7	35.4	34.3
Cyprus	630	38.8	15.2	38.8	28.6	10.1	6.2	1.1	40.4	37.3
Czech Republic	693	58.6	12.8	58.6	18.3	6.1	4.0	0.2	59.0	58.3
Egypt	933	61.8	14.2	61.8	10.4	11.9	0.9	0.8	61.9	61.7
El Salvador	572	30.6	21.0	30.6	25.2	11.0	7.5	4.7	28.0	33.5
England	583	70.6	8.2	70.6	13.1	6.5	1.2	0.5	69.5	71.8
Georgia	611	64.8	11.4	64.8	9.6	7.4	3.8	2.9	62.4	67.0
Ghana	749	41.4	22.1	41.4	21.1	11.6	2.2	1.6	40.8	41.9
Hong Kong SAR	490	85.2	3.6	85.2	7.1	3.4	0.0	0.7	86.7	83.5
Hungary	574	80.3	4.8	80.3	8.9	2.7	2.2	1.2	87.1	73.7
Indonesia	600	56.4	15.8	56.4	15.4	9.5	1.5	1.4	58.9	53.9
Iran, Islamic Rep. of	569	74.6	9.3	74.6	7.9	4.2	1.2	2.8	74.6	74.6
Israel	468	60.0	10.6	60.0	11.5	9.7	4.9	3.2	62.9	56.9
Italy	621	62.7	9.4	62.7	15.8	6.5	3.5	2.1	65.9	60.2
Japan	613	85.8	5.9	85.8	4.6	2.9	0.2	0.6	86.8	84.7
Jordan	741	59.0	17.4	59.0	13.5	8.0	1.2	0.8	68.2	50.5
Korea, Rep. of	607	86.9	5.0	86.9	4.6	3.4	0.2	0.0	90.2	84.1
Kuwait	569	77.6	7.8	77.6	5.2	4.7	2.1	2.7	83.5	71.1
Lebanon	522	78.8	7.6	78.8	7.4	2.0	2.5	1.7	75.4	82.5
Lithuania	560	81.0	7.0	81.0	6.8	3.9	1.0	0.2	81.7	80.2
Malaysia	639	75.9	6.9	75.9	8.4	5.1	1.3	2.3	78.9	72.6
Malta	661	75.7	7.5	75.7	11.1	3.6	0.8	1.4	74.5	76.8
Morocco	433	39.8	18.1	39.8	21.5	13.0	5.7	1.9	44.5	34.6
Norway	652	47.4	10.3	47.4	24.8	7.9	7.5	2.0	46.7	48.1
Oman	662	63.1	15.0	63.1	9.6	7.8	1.2	3.2	70.2	55.3
Palestinian Nat'l Auth.	635	37.8	19.2	37.8	23.6	15.3	3.7	0.4	40.2	35.3
Qatar	1021	49.8	14.3	49.8	20.9	11.9	2.6	0.5	52.5	47.2
Romania	596	69.5	9.5	69.5	11.9	6.2	2.6	0.3	68.1	70.9
Russian Federation	638	80.6	5.0	80.6	6.9	1.5	3.0	3.0	82.2	79.0
Saudi Arabia	606	32.2	25.3	32.2	23.9	14.3	3.3	1.0	30.8	33.4
Scotland	587	67.9	8.4	67.9	14.1	6.0	2.8	0.7	66.3	69.5
Serbia	558	75.1	6.1	75.1	10.3	4.8	3.4	0.4	72.6	77.4
Singapore	657	83.1	4.7	83.1	7.7	3.9	0.3	0.2	85.1	81.3
Slovenia	580	86.6	4.4	86.6	4.9	2.9	1.1	0.2	86.3	86.9
Sweden	739	45.9	15.1	45.9	22.0	7.9	7.7	1.4	42.2	49.4
Syrian Arab Republic	664	57.1	19.9	57.1	11.7	7.2	3.1	0.9	54.0	60.6
Thailand	786	52.4	14.7	52.4	19.8	9.8	2.1	1.2	51.6	53.1
Tunisia	586	34.2	13.2	34.2	26.7	11.4	10.9	3.6	32.2	36.7
Turkey	634	62.8	13.7	62.8	13.8	8.4	1.4	0.0	66.9	58.9
Ukraine	639	76.2	7.5	76.2	10.0	4.4	1.3	0.6	78.7	73.4
United States	1063	81.3	5.0	81.3	6.7	4.1	1.0	2.0	78.9	83.6
International Avg.	640	62.8	11.4	62.8	13.8	7.2	3.1	1.8	63.5	62.0
Basque Country, Spain	327	62.5	9.4	62.5	16.0	5.6	4.5	2.0	62.9	62.0
British Columbia, Canada	606	73.9	5.9	73.9	12.5	5.5	1.6	0.6	73.7	74.1
Dubai, UAE	458	60.3	12.1	60.3	14.5	8.5	3.7	0.9	61.2	59.5
Massachusetts, US	267	83.8	3.2	83.8	5.9	1.5	2.1	3.5	81.4	86.6
Minnesota, US	257	86.9	2.0	86.9	6.5	3.5	1.0	0.1	86.6	87.2
Ontario, Canada	493	60.6	9.1	60.6	19.2	6.6	1.7	2.7	56.4	65.0
Quebec, Canada	555	76.6	5.9	76.6	11.4	3.7	0.9	1.5	76.6	76.5

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Data and Chance / Applying (M042254 - M02_12)
 Label: Representing data on the graph
 Type: MC Key: A

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	772	53.6	53.6	4.8	16.7	13.6	6.5	4.8	53.1	54.1
Armenia	606	56.3	56.3	6.8	8.0	8.9	15.0	4.9	57.4	55.2
Australia	595	89.1	89.1	1.2	3.6	2.3	1.7	2.1	91.1	87.5
Bahrain	611	72.4	72.4	3.3	10.4	8.4	4.0	1.4	81.0	64.6
Bosnia and Herzegovina	604	77.8	77.8	2.8	7.4	6.3	5.2	0.5	75.9	79.9
Botswana	592	71.8	71.8	4.5	7.3	5.0	3.0	8.3	76.4	66.7
Bulgaria	579	73.0	73.0	3.6	8.7	8.1	5.5	1.2	78.5	67.4
Chinese Taipei	579	92.5	92.5	1.6	3.3	2.2	0.3	0.0	92.5	92.5
Colombia	695	69.3	69.3	2.8	6.2	7.4	3.5	10.8	65.5	73.0
Cyprus	630	78.9	78.9	4.7	6.5	6.2	2.4	1.3	81.0	76.9
Czech Republic	693	85.1	85.1	0.3	7.1	5.9	1.4	0.2	87.3	83.0
Egypt	928	64.9	64.9	8.8	11.2	9.9	4.2	1.0	67.0	62.8
El Salvador	574	64.7	64.7	3.9	10.8	9.9	5.3	5.3	65.0	64.5
England	583	89.3	89.3	0.7	4.6	3.2	1.7	0.5	92.2	86.0
Georgia	611	59.5	59.5	4.9	10.6	10.5	10.0	4.5	65.1	54.3
Ghana	749	65.8	65.8	8.5	11.6	9.0	3.5	1.7	62.5	68.4
Hong Kong SAR	490	81.5	81.5	6.6	6.4	4.6	0.2	0.7	83.4	79.4
Hungary	574	84.8	84.8	0.9	5.5	5.1	2.5	1.2	83.9	85.6
Indonesia	600	78.8	78.8	3.1	9.9	4.1	2.7	1.4	82.6	75.1
Iran, Islamic Rep. of	568	68.7	68.7	7.5	9.1	7.3	4.0	3.5	74.1	63.8
Israel	468	75.5	75.5	2.2	7.2	6.8	4.9	3.3	78.3	72.4
Italy	625	84.7	84.7	2.7	4.6	3.1	2.7	2.2	84.4	85.0
Japan	613	89.2	89.2	1.2	6.1	2.1	0.7	0.6	89.5	88.8
Jordan	741	76.7	76.7	4.5	9.5	6.9	1.5	0.9	82.0	71.8
Korea, Rep. of	607	92.9	92.9	1.8	3.1	1.9	0.3	0.0	94.4	91.6
Kuwait	570	72.5	72.5	4.1	8.8	6.3	5.3	3.0	79.4	64.9
Lebanon	529	79.4	79.4	2.6	3.8	4.3	7.8	2.0	80.4	78.4
Lithuania	568	88.7	88.7	1.0	6.1	3.3	0.6	0.3	90.1	87.2
Malaysia	639	90.0	90.0	1.5	2.3	2.6	1.1	2.5	91.0	88.9
Malta	662	88.0	88.0	1.6	3.0	2.8	3.2	1.5	90.4	85.6
Morocco	426	75.8	75.8	9.7	3.4	0.9	7.7	2.5	78.7	72.5
Norway	652	82.2	82.2	1.5	5.3	2.3	6.4	2.3	85.3	79.0
Oman	662	66.6	66.6	5.6	11.7	9.7	3.1	3.2	73.8	58.5
Palestinian Nat'l Auth.	635	65.5	65.5	8.5	14.7	7.9	2.7	0.6	74.9	55.9
Qatar	1021	54.1	54.1	10.5	14.4	13.2	7.2	0.6	58.9	49.3
Romania	598	71.2	71.2	4.8	10.7	9.3	3.6	0.4	72.6	69.9
Russian Federation	638	79.4	79.4	1.3	5.4	5.4	5.3	3.0	78.3	80.6
Saudi Arabia	605	67.8	67.8	5.5	12.8	10.4	2.3	1.1	73.5	62.5
Scotland	587	91.3	91.3	1.5	2.0	2.9	1.5	0.8	92.2	90.6
Serbia	568	78.8	78.8	2.8	6.9	6.4	4.6	0.5	75.3	82.0
Singapore	657	95.2	95.2	0.3	1.4	2.5	0.4	0.2	98.2	92.5
Slovenia	580	88.1	88.1	1.0	5.8	3.8	1.2	0.2	87.9	88.2
Sweden	739	84.4	84.4	1.2	6.2	3.5	3.3	1.4	85.1	83.8
Syrian Arab Republic	664	65.4	65.4	5.8	14.5	10.0	3.3	1.0	61.7	69.6
Thailand	786	79.8	79.8	4.8	6.0	6.8	1.2	1.4	82.2	77.7
Tunisia	587	62.6	62.6	4.1	12.0	12.1	4.9	4.4	63.0	62.1
Turkey	634	77.5	77.5	6.5	6.7	7.5	1.5	0.4	79.4	75.7
Ukraine	639	72.4	72.4	3.5	12.0	8.6	2.8	0.6	74.3	70.3
United States	1063	87.8	87.8	2.0	3.2	2.7	2.2	2.1	88.0	87.7
International Avg.	641	76.8	76.8	3.8	7.6	6.2	3.6	2.0	78.7	74.8
Basque Country, Spain	327	83.6	83.6	1.7	4.0	4.7	3.5	2.4	84.6	82.7
British Columbia, Canada	606	90.2	90.2	1.1	4.0	1.8	2.3	0.6	91.0	89.2
Dubai, UAE	457	81.6	81.6	4.2	6.0	3.0	4.3	0.9	85.8	77.8
Massachusetts, US	267	87.5	87.5	0.7	4.4	0.4	3.3	3.7	89.5	85.1
Minnesota, US	257	96.7	96.7	0.0	0.8	1.5	1.0	0.1	99.3	93.9
Ontario, Canada	493	90.4	90.4	0.5	3.2	1.8	1.1	3.0	90.5	90.2
Quebec, Canada	555	90.0	90.0	0.5	3.5	3.1	1.4	1.5	89.2	90.9

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Data and Chance / Knowing (M042250 - M02_13)

Label: Number of the tickets sold

Type: CR Key: -

COUNTRY	N	10	79	OMIT TED	NOT REACH ED	V1	1.GIRL	2.BOY
							%Right	%Right
Algeria	768	38.1	37.2	18.3	6.5	38.1	34.5	41.6
Armenia	609	62.8	12.4	18.0	6.8	62.8	60.7	65.0
Australia	595	85.4	8.8	3.3	2.5	85.4	85.5	85.2
Bahrain	611	46.8	40.9	9.7	2.5	46.8	50.0	43.9
Bosnia and Herzegovina	604	70.0	17.9	11.2	0.9	70.0	70.8	69.2
Botswana	591	25.6	57.3	7.1	10.0	25.6	27.1	23.9
Bulgaria	579	71.3	14.3	11.9	2.5	71.3	75.7	66.9
Chinese Taipei	579	95.6	3.4	1.0	0.0	95.6	96.7	94.5
Colombia	695	48.9	30.4	7.6	13.1	48.9	42.5	55.1
Cyprus	630	71.7	18.1	8.5	1.7	71.7	76.2	67.3
Czech Republic	693	87.2	9.8	2.5	0.4	87.2	85.7	88.6
Egypt	936	38.7	49.3	10.0	2.0	38.7	42.0	35.5
El Salvador	575	32.3	48.6	12.3	6.8	32.3	27.0	38.2
England	583	87.2	10.3	2.0	0.5	87.2	89.6	84.6
Georgia	611	59.7	20.0	13.9	6.4	59.7	62.7	56.9
Ghana	749	24.5	55.2	17.5	2.8	24.5	21.1	27.3
Hong Kong SAR	490	93.2	5.3	0.8	0.7	93.2	95.6	90.6
Hungary	574	89.2	6.3	2.8	1.8	89.2	90.5	87.9
Indonesia	600	23.6	68.5	5.2	2.7	23.6	19.8	27.3
Iran, Islamic Rep. of	572	64.2	22.8	8.8	4.2	64.2	65.0	63.5
Israel	468	66.7	18.0	11.0	4.3	66.7	66.5	66.9
Italy	627	80.5	12.2	5.0	2.3	80.5	81.1	80.1
Japan	613	93.4	5.1	0.9	0.6	93.4	93.5	93.3
Jordan	741	53.2	40.8	4.7	1.3	53.2	53.7	52.7
Korea, Rep. of	607	92.3	6.2	1.5	0.0	92.3	94.5	90.4
Kuwait	570	34.4	46.3	15.0	4.3	34.4	36.4	32.3
Lebanon	535	33.9	47.7	12.9	5.6	33.9	29.0	39.3
Lithuania	570	80.8	14.0	4.6	0.5	80.8	83.1	78.5
Malaysia	639	67.1	25.9	4.5	2.5	67.1	65.7	68.7
Malta	662	74.3	19.4	4.3	1.9	74.3	75.2	73.5
Morocco	445	33.8	41.5	20.6	4.1	33.8	34.7	32.8
Norway	652	84.6	7.7	4.8	2.9	84.6	89.2	80.2
Oman	662	28.3	58.0	9.1	4.6	28.3	31.6	24.5
Palestinian Nat'l Auth.	634	33.9	56.6	8.4	1.1	33.9	40.7	26.9
Qatar	1021	18.7	62.1	17.6	1.6	18.7	22.8	14.5
Romania	598	68.1	19.3	11.4	1.2	68.1	69.4	66.8
Russian Federation	638	81.0	9.8	5.1	4.1	81.0	78.1	83.9
Saudi Arabia	608	29.4	56.8	11.9	1.8	29.4	28.3	30.5
Scotland	587	83.5	11.6	3.9	0.9	83.5	83.7	83.4
Serbia	570	75.4	14.5	8.8	1.2	75.4	72.6	78.1
Singapore	657	90.3	8.6	0.8	0.2	90.3	93.0	87.9
Slovenia	580	82.2	14.0	3.6	0.2	82.2	78.2	86.1
Sweden	739	86.5	7.7	4.0	1.8	86.5	86.2	86.7
Syrian Arab Republic	664	49.3	41.3	8.0	1.4	49.3	45.0	54.2
Thailand	786	71.9	19.6	7.0	1.4	71.9	77.7	66.5
Tunisia	587	59.0	29.9	6.4	4.8	59.0	51.6	68.0
Turkey	634	67.7	24.8	6.4	1.0	67.7	66.2	69.2
Ukraine	639	73.6	20.3	5.1	1.1	73.6	71.4	76.0
United States	1063	84.1	10.9	1.9	3.1	84.1	84.4	83.9
International Avg.	642	63.1	26.3	7.8	2.8	63.1	63.3	63.0
Basque Country, Spain	327	86.0	8.1	3.4	2.6	86.0	86.7	85.3
British Columbia, Canada	606	89.0	6.6	3.6	0.8	89.0	86.6	91.9
Dubai, UAE	458	66.3	25.1	7.5	1.1	66.3	63.1	69.2
Massachusetts, US	267	85.8	6.9	2.9	4.3	85.8	85.7	86.1
Minnesota, US	257	91.1	8.3	0.5	0.1	91.1	90.7	91.5
Ontario, Canada	493	88.9	6.2	1.4	3.5	88.9	88.2	89.6
Quebec, Canada	555	88.3	6.7	2.7	2.3	88.3	87.3	89.3

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Data and Chance / Applying (M042220 - M02_14)
 Label: Make a bar chart
 Type: CR Key: -

COUNTRY	N	20	10	70	79	OMIT TED	NOT REACH ED	V1	V2	1.GIRL %Right	2.BOY %Right
Algeria	771	3.1	12.1	2.8	40.5	33.1	8.5	15.1	3.1	2.6	3.6
Armenia	608	11.9	9.6	1.2	30.2	39.8	7.4	21.4	11.9	11.8	11.9
Australia	595	38.4	5.9	18.4	28.9	5.5	2.9	44.4	38.4	29.3	46.4
Bahrain	611	9.2	3.0	31.0	41.0	12.5	3.1	12.3	9.2	6.2	12.0
Bosnia and Herzegovina	604	13.1	5.5	3.0	40.3	36.6	1.6	18.6	13.1	8.8	17.6
Botswana	591	7.5	2.0	16.3	47.0	14.5	12.8	9.5	7.5	9.1	5.6
Bulgaria	579	22.6	7.2	10.9	22.4	33.4	3.4	29.9	22.6	18.4	26.8
Chinese Taipei	579	69.7	3.7	16.6	7.5	2.5	0.0	73.3	69.7	63.5	75.5
Colombia	695	10.5	2.4	15.9	36.7	18.8	15.8	12.9	10.5	6.5	14.3
Cyprus	630	32.8	3.3	16.4	30.3	14.5	2.7	36.1	32.8	34.9	30.9
Czech Republic	693	45.5	5.7	11.0	26.5	10.8	0.4	51.2	45.5	42.0	48.7
Egypt	933	10.2	4.8	28.4	40.0	13.8	2.8	15.0	10.2	13.4	7.1
El Salvador	575	3.8	1.2	10.3	50.5	24.6	9.5	5.0	3.8	1.9	5.9
England	583	45.2	14.4	7.7	28.3	4.0	0.5	59.6	45.2	45.3	45.1
Georgia	611	14.6	2.2	7.1	19.0	48.7	8.4	16.8	14.6	14.4	14.8
Ghana	749	2.1	1.2	19.6	38.4	33.4	5.3	3.2	2.1	2.7	1.5
Hong Kong SAR	490	66.0	7.1	8.8	12.3	5.1	0.7	73.1	66.0	66.9	65.1
Hungary	574	48.2	7.4	10.2	23.5	7.6	3.1	55.7	48.2	47.2	49.2
Indonesia	600	13.6	3.8	15.8	49.4	13.4	3.9	17.5	13.6	15.9	11.3
Iran, Islamic Rep. of	573	11.1	1.5	34.3	31.3	15.9	5.9	12.7	11.1	8.8	13.2
Israel	468	30.8	6.7	8.2	31.5	17.0	5.8	37.5	30.8	27.4	34.6
Italy	627	26.6	2.6	11.2	36.1	19.8	3.7	29.3	26.6	24.3	28.5
Japan	613	68.3	3.5	8.6	14.7	4.1	0.8	71.8	68.3	69.8	66.5
Jordan	741	21.6	2.8	25.6	37.8	10.4	1.7	24.4	21.6	22.8	20.6
Korea, Rep. of	607	75.6	3.7	5.6	12.4	2.6	0.1	79.3	75.6	71.9	78.6
Kuwait	570	2.9	2.5	30.0	36.1	23.3	5.3	5.4	2.9	1.4	4.5
Lebanon	535	14.9	1.7	2.4	48.2	25.3	7.5	16.6	14.9	11.5	18.7
Lithuania	570	51.1	4.3	14.0	23.0	6.6	1.0	55.3	51.1	48.9	53.3
Malaysia	639	34.8	8.3	16.7	29.3	7.1	3.7	43.1	34.8	33.0	36.9
Malta	662	40.0	3.6	17.9	28.5	7.8	2.3	43.6	40.0	39.6	40.3
Morocco	446	9.1	4.5	19.4	36.0	26.2	4.9	13.6	9.1	9.1	9.2
Norway	652	41.3	8.0	13.8	25.2	8.2	3.5	49.3	41.3	42.1	40.5
Oman	662	5.7	2.3	22.0	49.3	13.5	7.2	8.0	5.7	5.5	5.9
Palestinian Nat'l Auth.	631	7.6	2.9	32.3	43.1	12.4	1.8	10.5	7.6	6.6	8.6
Qatar	1021	3.6	1.1	11.9	46.4	34.5	2.5	4.7	3.6	3.8	3.3
Romania	598	28.6	5.6	8.8	26.3	28.2	2.4	34.3	28.6	32.9	24.2
Russian Federation	638	35.2	4.7	12.8	26.8	15.6	4.8	39.9	35.2	30.0	40.7
Saudi Arabia	608	3.3	2.0	16.8	58.5	16.6	2.8	5.3	3.3	3.3	3.3
Scotland	587	37.6	6.2	16.6	29.1	9.2	1.4	43.8	37.6	35.0	39.9
Serbia	569	26.7	1.8	7.9	21.6	40.4	1.6	28.5	26.7	20.7	32.3
Singapore	657	74.6	4.3	6.2	12.6	1.9	0.4	79.0	74.6	81.3	68.5
Slovenia	580	43.9	6.6	12.5	30.2	5.4	1.4	50.5	43.9	39.3	48.4
Sweden	739	56.2	5.6	10.3	15.8	9.6	2.6	61.7	56.2	50.5	61.5
Syrian Arab Republic	663	6.5	11.8	23.5	32.4	23.9	1.8	18.3	6.5	3.7	9.8
Thailand	786	25.6	3.6	27.6	27.1	14.2	2.1	29.1	25.6	27.5	23.8
Tunisia	586	8.2	4.5	25.1	42.5	14.1	5.6	12.7	8.2	4.4	12.8
Turkey	634	16.5	1.8	9.4	47.2	23.5	1.6	18.3	16.5	16.2	16.9
Ukraine	639	24.4	2.5	4.9	43.6	22.8	1.8	26.9	24.4	21.6	27.6
United States	1063	40.5	7.5	23.2	23.2	2.2	3.3	48.0	40.5	34.5	46.5
International Avg.	642	27.4	4.7	14.9	32.2	17.0	3.8	32.1	27.4	25.9	28.8
Basque Country, Spain	327	45.2	4.8	20.8	18.7	7.1	3.4	49.9	45.2	40.5	50.1
British Columbia, Canada	606	50.1	6.9	17.2	20.1	4.3	1.5	57.0	50.1	45.1	56.1
Dubai, UAE	458	21.4	6.3	21.8	31.7	17.4	1.4	27.7	21.4	14.9	27.1
Massachusetts, US	267	58.7	6.8	12.4	15.0	2.5	4.6	65.4	58.7	52.4	66.3
Minnesota, US	257	61.1	4.1	16.0	16.7	2.0	0.1	65.2	61.1	57.0	65.5
Ontario, Canada	493	48.0	5.7	14.0	22.1	6.2	3.9	53.7	48.0	41.1	55.2
Quebec, Canada	555	60.6	5.2	8.6	16.6	6.4	2.5	65.8	60.6	59.8	61.4

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Number / Knowing (M022097 - M03_01)
 Label: Voltage shown on meter
 Type: MC Key: C

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	774	24.9	63.0	3.2	24.9	5.6	3.1	0.2	17.2	32.1
Armenia	668	49.8	38.1	6.1	49.8	2.4	2.5	1.1	49.0	50.6
Australia	585	76.4	16.4	2.4	76.4	3.6	0.7	0.4	73.9	78.4
Bahrain	611	33.4	52.3	6.1	33.4	7.4	0.7	0.2	32.3	34.4
Bosnia and Herzegovina	605	44.7	49.3	3.5	44.7	2.3	0.3	0.0	37.2	52.3
Botswana	591	34.2	56.8	2.3	34.2	5.9	0.4	0.5	32.4	36.1
Bulgaria	577	61.8	27.4	5.4	61.8	2.7	2.0	0.7	52.8	70.2
Chinese Taipei	582	83.2	13.5	0.6	83.2	2.3	0.3	0.0	82.9	83.5
Colombia	705	32.0	60.9	4.2	32.0	1.8	0.4	0.6	24.5	39.6
Cyprus	637	59.6	31.5	3.4	59.6	4.9	0.6	0.0	55.2	63.6
Czech Republic	701	72.3	23.1	1.3	72.3	2.7	0.6	0.0	69.8	74.8
Egypt	940	26.0	38.4	11.7	26.0	23.1	0.6	0.2	23.2	28.7
El Salvador	580	28.9	57.8	5.4	28.9	6.7	0.8	0.4	23.3	34.9
England	566	87.3	8.3	0.9	87.3	2.8	0.6	0.1	87.3	87.3
Georgia	603	37.8	46.5	8.1	37.8	5.5	1.2	0.9	34.5	41.5
Ghana	746	18.1	71.7	4.0	18.1	5.3	0.5	0.4	17.2	18.7
Hong Kong SAR	483	88.4	7.6	2.6	88.4	1.0	0.4	0.0	85.4	91.5
Hungary	582	72.9	20.9	1.0	72.9	4.8	0.4	0.0	68.5	77.5
Indonesia	595	31.4	52.7	7.2	31.4	7.3	0.8	0.5	27.4	35.7
Iran, Islamic Rep. of	565	30.9	55.9	3.4	30.9	8.7	1.0	0.0	22.2	38.6
Israel	479	48.3	36.4	6.0	48.3	6.1	1.4	1.8	39.6	58.4
Italy	623	57.4	36.2	1.9	57.4	3.4	0.9	0.3	49.8	63.8
Japan	612	87.1	9.6	0.7	87.1	2.3	0.3	0.0	87.6	86.6
Jordan	745	35.2	39.0	10.4	35.2	13.3	2.1	0.0	29.1	40.7
Korea, Rep. of	601	89.5	8.4	0.4	89.5	1.7	0.0	0.0	89.9	89.2
Kuwait	578	33.4	49.2	6.4	33.4	8.4	1.0	1.5	26.6	41.1
Lebanon	542	49.5	41.7	1.9	49.5	6.2	0.6	0.0	47.1	52.6
Lithuania	568	68.3	24.6	2.1	68.3	4.4	0.0	0.6	62.7	73.2
Malaysia	633	75.1	18.2	3.4	75.1	3.2	0.0	0.1	74.6	75.8
Malta	660	72.5	20.4	3.7	72.5	2.9	0.2	0.3	70.2	74.8
Morocco	447	42.2	49.2	4.7	42.2	2.8	0.6	0.5	33.5	51.6
Norway	662	68.6	22.3	2.9	68.6	5.2	0.8	0.1	62.8	74.0
Oman	679	29.0	48.6	8.6	29.0	11.9	1.9	0.0	22.2	36.6
Palestinian Nat'l Auth.	630	22.4	58.2	10.3	22.4	8.2	1.0	0.0	18.7	26.1
Qatar	1025	21.3	58.4	10.7	21.3	8.5	0.8	0.3	16.0	26.7
Romania	604	38.1	48.4	7.0	38.1	5.4	1.1	0.0	31.6	44.3
Russian Federation	637	70.3	22.5	2.9	70.3	3.8	0.6	0.0	64.8	76.2
Saudi Arabia	606	18.6	64.8	10.0	18.6	5.9	0.8	0.0	12.2	24.3
Scotland	597	84.3	11.8	1.5	84.3	1.7	0.1	0.6	82.7	85.9
Serbia	574	54.2	39.6	3.1	54.2	2.8	0.3	0.0	47.6	60.8
Singapore	663	90.9	5.8	0.6	90.9	2.7	0.0	0.0	90.5	91.4
Slovenia	577	79.5	15.6	0.7	79.5	4.1	0.0	0.0	76.9	82.4
Sweden	741	80.3	15.4	1.5	80.3	2.5	0.3	0.0	76.5	83.6
Syrian Arab Republic	666	21.9	62.7	7.6	21.9	6.6	1.2	0.1	19.5	24.6
Thailand	779	59.5	33.8	2.2	59.5	4.2	0.3	0.0	55.4	63.7
Tunisia	584	24.7	66.8	2.2	24.7	5.9	0.3	0.1	15.0	36.3
Turkey	634	39.6	50.8	3.7	39.6	5.5	0.2	0.2	31.8	46.5
Ukraine	638	55.9	37.1	2.9	55.9	3.3	0.8	0.0	51.9	60.2
United States	1048	76.4	18.3	1.8	76.4	3.1	0.4	0.1	74.5	78.4
International Avg.	643	52.8	36.9	4.2	52.8	5.2	0.7	0.3	48.5	57.1
Basque Country, Spain	328	72.2	22.1	0.8	72.2	4.3	0.6	0.0	64.9	79.6
British Columbia, Canada	607	73.5	19.7	1.4	73.5	4.8	0.6	0.0	70.0	76.9
Dubai, UAE	463	51.1	37.8	4.4	51.1	5.4	1.2	0.1	41.5	60.3
Massachusetts, US	263	80.4	14.5	0.4	80.4	3.7	1.0	0.0	79.6	81.1
Minnesota, US	256	85.6	11.4	1.0	85.6	2.0	0.0	0.0	84.3	87.1
Ontario, Canada	495	72.4	20.8	1.7	72.4	4.6	0.4	0.0	71.2	73.6
Quebec, Canada	551	80.5	15.3	1.5	80.5	2.2	0.5	0.1	79.3	81.7

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Data and Chance / Knowing (M022101 - M03_02)
 Label: Box with greater chance to pick 17
 Type: MC Key: A

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	773	21.2	21.2	17.4	26.1	27.1	8.0	0.2	17.3	24.8
Armenia	668	50.3	50.3	4.3	22.0	14.9	6.4	2.2	50.8	49.8
Australia	585	85.6	85.6	3.6	6.4	3.2	0.7	0.4	83.0	87.7
Bahrain	611	42.6	42.6	16.3	19.1	19.7	2.2	0.2	45.1	40.2
Bosnia and Herzegovina	605	60.5	60.5	6.0	14.6	15.7	3.1	0.1	59.1	62.0
Botswana	591	34.7	34.7	26.1	24.5	11.4	2.8	0.5	34.8	34.5
Bulgaria	577	73.1	73.1	8.3	10.0	5.7	2.0	0.9	75.9	70.5
Chinese Taipei	582	87.8	87.8	2.7	6.6	2.6	0.3	0.0	91.1	84.8
Colombia	705	52.5	52.5	8.5	22.7	14.2	1.4	0.6	49.7	55.4
Cyprus	637	74.6	74.6	10.4	8.6	6.1	0.4	0.0	78.4	71.1
Czech Republic	701	74.4	74.4	4.2	14.6	6.1	0.8	0.0	71.6	77.0
Egypt	941	37.2	37.2	20.7	29.4	11.3	1.2	0.2	36.3	38.1
El Salvador	580	36.7	36.7	10.8	29.0	20.7	2.1	0.6	31.5	42.4
England	566	84.6	84.6	4.8	6.3	3.2	1.0	0.1	85.4	83.6
Georgia	603	54.5	54.5	11.6	16.2	13.7	3.0	0.9	58.7	49.7
Ghana	746	23.9	23.9	33.9	24.4	13.6	3.8	0.4	24.8	23.1
Hong Kong SAR	483	79.3	79.3	4.6	6.5	9.1	0.2	0.2	82.6	75.9
Hungary	582	71.7	71.7	4.5	10.1	12.4	1.3	0.0	72.1	71.2
Indonesia	595	43.3	43.3	22.9	18.0	13.5	1.5	0.8	37.2	49.7
Iran, Islamic Rep. of	565	51.7	51.7	9.8	12.9	23.4	2.2	0.0	53.1	50.5
Israel	479	66.8	66.8	11.9	10.2	7.5	1.8	1.8	64.6	69.3
Italy	624	75.3	75.3	5.2	13.6	5.3	0.3	0.3	74.5	76.0
Japan	612	87.8	87.8	2.8	4.1	4.8	0.6	0.0	88.5	87.1
Jordan	745	51.7	51.7	14.9	20.6	11.5	1.3	0.0	52.6	50.8
Korea, Rep. of	601	94.6	94.6	1.9	2.3	1.3	0.0	0.0	96.6	92.8
Kuwait	578	32.6	32.6	15.6	24.3	21.8	4.2	1.5	34.0	31.0
Lebanon	539	34.5	34.5	17.0	22.9	20.9	4.5	0.0	32.3	37.5
Lithuania	566	84.2	84.2	2.9	6.1	6.0	0.2	0.6	86.8	81.9
Malaysia	633	64.2	64.2	8.4	13.3	13.4	0.8	0.1	66.3	61.9
Malta	660	72.8	72.8	8.0	12.5	5.6	0.7	0.3	72.3	73.4
Morocco	447	21.3	21.3	17.4	22.9	33.2	4.6	0.5	21.1	21.6
Norway	662	78.9	78.9	5.0	10.4	4.6	0.9	0.1	79.1	78.8
Oman	679	44.0	44.0	17.5	19.5	15.6	3.4	0.0	46.4	41.3
Palestinian Nat'l Auth.	630	38.8	38.8	20.9	21.8	17.3	1.2	0.0	41.8	35.8
Qatar	1025	28.3	28.3	32.4	20.4	16.7	2.0	0.3	25.1	31.6
Romania	604	57.5	57.5	6.7	22.5	12.4	0.9	0.0	51.1	63.5
Russian Federation	637	82.5	82.5	3.7	9.2	3.7	1.0	0.0	81.9	83.1
Saudi Arabia	606	21.6	21.6	18.5	26.7	30.8	2.5	0.0	24.5	19.0
Scotland	597	76.6	76.6	4.0	9.5	8.0	1.2	0.6	77.1	76.2
Serbia	576	70.3	70.3	4.5	12.8	10.6	1.8	0.0	67.1	73.6
Singapore	663	78.5	78.5	4.0	7.7	9.6	0.3	0.0	78.4	78.5
Slovenia	577	75.5	75.5	7.0	9.6	7.8	0.1	0.0	74.6	76.4
Sweden	741	87.7	87.7	3.4	5.5	2.6	0.8	0.0	86.9	88.3
Syrian Arab Republic	666	33.6	33.6	21.0	29.3	13.3	2.7	0.1	29.5	38.4
Thailand	780	51.5	51.5	7.0	19.4	21.9	0.3	0.0	53.2	49.8
Tunisia	584	33.7	33.7	13.9	35.3	14.8	2.3	0.1	30.5	37.4
Turkey	634	65.9	65.9	9.8	16.6	7.0	0.6	0.2	62.4	69.0
Ukraine	638	72.7	72.7	7.7	12.6	5.6	1.4	0.0	73.9	71.5
United States	1048	85.6	85.6	4.6	6.8	2.6	0.3	0.1	84.3	86.9
International Avg.	643	59.4	59.4	10.8	15.8	11.9	1.8	0.3	59.1	59.7
Basque Country, Spain	328	78.2	78.2	3.3	10.3	7.7	0.5	0.0	76.6	79.8
British Columbia, Canada	607	86.3	86.3	3.6	5.1	3.9	1.0	0.0	86.6	86.0
Dubai, UAE	463	58.8	58.8	11.5	13.4	13.6	2.4	0.3	57.4	60.1
Massachusetts, US	263	88.4	88.4	2.1	6.0	2.6	1.0	0.0	89.7	87.3
Minnesota, US	256	90.1	90.1	3.9	3.2	2.8	0.0	0.0	92.3	87.7
Ontario, Canada	495	87.2	87.2	1.8	6.4	4.2	0.4	0.0	86.7	87.7
Quebec, Canada	551	83.0	83.0	2.8	8.9	4.5	0.6	0.1	81.2	84.9

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Number / Knowing (M022104 - M03_03)
 Label: Which fraction is smallest
 Type: MC Key: D

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	773	36.9	50.7	1.9	6.9	36.9	3.4	0.2	31.1	42.2
Armenia	668	65.5	24.1	2.0	4.0	65.5	1.9	2.6	66.8	64.2
Australia	585	76.4	13.9	4.4	3.9	76.4	1.0	0.4	71.5	80.2
Bahrain	611	44.7	36.8	2.1	14.5	44.7	1.7	0.2	44.5	44.9
Bosnia and Herzegovina	605	73.0	21.5	0.5	4.5	73.0	0.5	0.1	71.5	74.6
Botswana	590	54.4	26.9	4.0	11.4	54.4	2.5	0.7	55.5	53.1
Bulgaria	577	55.8	36.2	1.0	5.3	55.8	0.6	1.2	52.6	58.6
Chinese Taipei	582	84.0	8.0	0.7	7.1	84.0	0.3	0.0	83.7	84.2
Colombia	705	21.4	71.9	0.9	4.0	21.4	1.0	0.8	19.7	23.2
Cyprus	637	75.2	11.9	3.2	9.0	75.2	0.8	0.0	68.3	81.5
Czech Republic	701	66.3	22.9	1.8	7.2	66.3	1.8	0.0	63.4	69.0
Egypt	942	50.5	27.8	6.2	14.5	50.5	0.7	0.2	49.0	52.0
El Salvador	580	14.1	82.2	0.4	2.0	14.1	0.8	0.6	7.3	21.4
England	566	79.1	7.7	3.5	9.0	79.1	0.6	0.1	76.3	82.3
Georgia	603	53.6	38.4	1.3	3.6	53.6	2.3	0.9	55.3	51.5
Ghana	746	34.1	50.6	4.8	7.8	34.1	2.0	0.6	30.6	37.0
Hong Kong SAR	483	85.8	7.3	2.0	4.7	85.8	0.0	0.2	85.8	85.7
Hungary	582	65.0	24.2	2.3	7.9	65.0	0.7	0.0	62.9	67.1
Indonesia	595	46.2	44.5	2.5	4.1	46.2	2.0	0.8	41.3	51.4
Iran, Islamic Rep. of	565	42.6	46.6	2.1	7.2	42.6	1.5	0.0	41.6	43.4
Israel	479	75.5	10.6	2.3	8.7	75.5	1.1	1.8	73.4	78.0
Italy	624	55.1	36.5	1.4	6.0	55.1	0.7	0.3	52.3	57.4
Japan	612	82.6	10.1	0.7	6.3	82.6	0.3	0.1	85.1	80.0
Jordan	745	44.5	41.4	3.3	9.7	44.5	1.1	0.0	44.4	44.5
Korea, Rep. of	601	81.4	9.3	1.0	8.3	81.4	0.0	0.0	80.6	82.2
Kuwait	578	33.1	48.7	3.3	11.7	33.1	1.5	1.8	29.9	36.7
Lebanon	542	55.3	32.9	2.5	8.4	55.3	1.0	0.0	52.1	59.3
Lithuania	568	73.9	17.6	1.4	5.8	73.9	0.7	0.6	72.2	75.4
Malaysia	633	53.9	30.7	2.2	12.6	53.9	0.6	0.1	56.3	51.3
Malta	659	71.7	16.6	2.2	7.3	71.7	2.0	0.3	69.6	73.8
Morocco	447	44.7	46.7	2.9	3.0	44.7	2.0	0.8	36.2	53.9
Norway	662	74.3	14.2	2.1	7.9	74.3	1.4	0.1	74.8	73.7
Oman	679	37.8	46.5	4.0	9.7	37.8	1.9	0.0	38.6	36.8
Palestinian Nat'l Auth.	630	44.2	39.3	2.8	12.1	44.2	1.6	0.0	42.9	45.4
Qatar	1025	35.5	41.7	8.8	12.2	35.5	1.3	0.4	35.0	36.0
Romania	604	43.8	48.4	1.1	5.3	43.8	1.5	0.0	43.3	44.2
Russian Federation	637	65.0	26.7	1.0	5.5	65.0	1.7	0.1	60.6	69.9
Saudi Arabia	606	23.0	60.5	2.6	11.0	23.0	3.0	0.0	21.5	24.4
Scotland	597	74.4	14.9	1.9	7.9	74.4	0.1	0.7	73.6	75.3
Serbia	574	79.4	15.2	0.8	3.5	79.4	1.1	0.0	78.5	80.3
Singapore	663	89.5	5.1	0.6	4.7	89.5	0.1	0.0	90.0	89.0
Slovenia	577	76.0	14.4	1.3	8.3	76.0	0.0	0.0	70.8	81.5
Sweden	741	89.2	4.6	1.2	4.6	89.2	0.4	0.0	88.3	89.9
Syrian Arab Republic	666	37.3	54.8	2.6	4.3	37.3	0.9	0.1	35.0	40.0
Thailand	779	32.1	54.9	3.0	8.4	32.1	1.6	0.0	29.4	34.8
Tunisia	584	45.3	43.0	2.4	6.5	45.3	2.4	0.3	40.5	50.9
Turkey	634	43.5	49.8	1.3	4.8	43.5	0.4	0.2	43.2	43.7
Ukraine	638	53.6	38.6	2.2	4.5	53.6	1.1	0.0	51.8	55.5
United States	1048	78.2	11.5	3.2	6.5	78.2	0.5	0.1	75.5	81.0
International Avg.	643	57.5	31.4	2.3	7.2	57.5	1.2	0.4	55.6	59.4
Basque Country, Spain	328	70.2	20.0	1.5	7.4	70.2	0.9	0.0	67.0	73.3
British Columbia, Canada	607	83.3	8.8	2.5	5.0	83.3	0.4	0.0	78.0	88.4
Dubai, UAE	463	56.2	32.5	2.0	7.1	56.2	1.8	0.3	48.3	63.6
Massachusetts, US	263	85.3	5.5	3.0	4.9	85.3	1.3	0.0	81.2	88.6
Minnesota, US	256	87.4	4.9	1.2	6.2	87.4	0.3	0.0	86.9	88.0
Ontario, Canada	495	81.5	8.0	1.5	7.6	81.5	1.5	0.0	76.5	86.2
Quebec, Canada	551	81.1	7.8	2.9	7.6	81.1	0.4	0.1	76.4	86.1

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Geometry / Knowing (M022105 - M03_04)
 Label: Triangle rotated about point P
 Type: MC Key: D

COUNTRY	N	DIFF	A	B	C	D	E	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	772	14.1	14.9	11.3	25.8	14.1	23.0	10.3	0.5	11.8	16.3
Armenia	668	38.1	15.1	18.8	12.0	38.1	7.1	6.1	2.8	40.5	35.9
Australia	585	45.1	14.6	20.1	10.5	45.1	6.5	2.8	0.4	48.4	42.5
Bahrain	611	35.1	18.7	18.5	12.4	35.1	10.0	4.8	0.4	36.8	33.5
Bosnia and Herzegovina	605	27.6	17.4	16.7	20.3	27.6	10.9	6.9	0.1	23.4	31.9
Botswana	590	23.4	15.5	21.0	25.6	23.4	11.5	2.3	0.7	21.8	25.2
Bulgaria	577	39.3	17.3	20.8	8.9	39.3	8.8	3.6	1.2	39.3	39.3
Chinese Taipei	582	73.5	9.9	8.8	2.0	73.5	5.0	0.9	0.0	66.3	79.9
Colombia	705	27.4	20.2	23.4	17.0	27.4	10.3	0.6	1.2	24.5	30.3
Cyprus	637	35.6	12.9	23.2	16.3	35.6	8.4	3.3	0.2	40.0	31.6
Czech Republic	701	39.4	24.0	24.4	2.4	39.4	7.3	2.5	0.0	38.2	40.5
Egypt	939	26.0	15.6	15.5	24.7	26.0	15.5	2.5	0.2	27.6	24.4
El Salvador	580	19.7	23.2	16.8	19.1	19.7	16.7	3.9	0.6	18.8	20.6
England	566	63.5	8.4	15.6	3.1	63.5	7.3	2.0	0.1	65.5	61.2
Georgia	603	23.6	31.5	9.7	16.4	23.6	9.6	8.2	0.9	23.9	23.3
Ghana	746	14.3	16.1	13.5	36.1	14.3	14.2	4.9	0.8	14.5	14.2
Hong Kong SAR	483	74.5	5.6	7.1	3.7	74.5	8.9	0.0	0.2	74.5	74.5
Hungary	582	59.7	15.6	11.5	4.2	59.7	7.7	1.3	0.1	60.3	59.0
Indonesia	595	38.9	17.4	16.7	11.7	38.9	12.4	2.1	0.8	33.7	44.4
Iran, Islamic Rep. of	565	36.5	20.0	21.1	9.7	36.5	9.8	2.8	0.0	36.0	37.0
Israel	479	41.0	17.4	14.0	11.4	41.0	9.2	5.3	1.8	42.8	38.8
Italy	620	43.2	12.3	33.5	3.0	43.2	6.6	1.2	0.3	40.4	45.5
Japan	612	52.4	19.4	23.2	1.3	52.4	2.7	0.9	0.1	51.6	53.2
Jordan	745	31.4	16.9	20.3	16.2	31.4	13.5	1.8	0.0	32.2	30.6
Korea, Rep. of	601	65.0	13.8	13.6	4.3	65.0	3.3	0.0	0.0	62.5	67.2
Kuwait	578	30.9	21.3	18.0	11.1	30.9	12.2	4.8	1.8	31.5	30.2
Lebanon	523	17.2	11.0	25.2	34.1	17.2	5.9	6.6	0.0	13.6	21.9
Lithuania	566	55.2	13.9	15.8	4.2	55.2	8.8	1.6	0.6	50.1	59.6
Malaysia	633	49.4	16.1	19.1	7.0	49.4	6.2	1.6	0.5	45.7	53.6
Malta	657	40.2	11.5	27.8	11.0	40.2	7.4	1.7	0.3	37.2	43.3
Morocco	438	22.2	19.0	18.3	27.8	22.2	8.2	3.7	0.8	15.5	29.8
Norway	662	40.3	16.4	19.5	15.2	40.3	5.6	2.7	0.1	38.0	42.5
Oman	679	33.3	19.7	11.2	18.4	33.3	14.4	2.9	0.2	34.4	32.0
Palestinian Nat'l Auth.	630	24.6	18.2	11.4	26.7	24.6	15.7	3.4	0.0	23.1	26.2
Qatar	1025	18.9	16.2	15.2	35.6	18.9	10.5	3.1	0.4	21.3	16.4
Romania	603	25.4	14.8	25.1	17.3	25.4	14.2	3.0	0.1	24.1	26.6
Russian Federation	637	50.8	17.8	17.5	6.9	50.8	5.2	1.7	0.3	47.6	54.2
Saudi Arabia	604	24.3	25.4	10.7	26.5	24.3	11.7	1.4	0.0	25.9	22.9
Scotland	597	47.4	11.3	19.1	12.3	47.4	6.3	2.7	0.9	47.6	47.2
Serbia	569	24.6	18.4	30.2	13.9	24.6	6.8	5.9	0.1	24.4	24.9
Singapore	663	45.4	15.1	28.7	5.5	45.4	5.2	0.2	0.0	46.8	44.1
Slovenia	577	48.7	17.6	21.0	5.3	48.7	6.0	1.4	0.0	46.3	51.3
Sweden	741	54.2	12.6	17.8	5.0	54.2	6.3	4.2	0.0	48.1	59.6
Syrian Arab Republic	666	31.6	16.4	15.7	17.1	31.6	16.7	2.3	0.1	30.2	33.3
Thailand	779	48.5	15.2	13.5	9.5	48.5	11.9	1.3	0.2	45.5	51.4
Tunisia	583	16.2	10.5	19.9	30.6	16.2	17.5	5.1	0.3	16.1	16.4
Turkey	634	34.2	16.4	20.6	11.7	34.2	14.6	2.4	0.2	31.6	36.4
Ukraine	638	39.9	19.3	22.6	10.0	39.9	6.8	1.5	0.0	40.3	39.4
United States	1048	38.3	21.5	23.1	8.3	38.3	7.5	1.3	0.1	35.4	41.1
International Avg.	642	37.8	16.5	18.5	14.1	37.8	9.7	3.0	0.4	36.7	38.9
Basque Country, Spain	328	36.6	18.6	33.1	5.4	36.6	4.8	1.5	0.0	37.2	36.1
British Columbia, Canada	607	44.0	15.2	27.9	7.7	44.0	4.7	0.6	0.0	41.9	46.0
Dubai, UAE	463	29.2	13.0	24.4	16.5	29.2	10.0	6.6	0.3	25.4	32.7
Massachusetts, US	263	47.0	13.3	24.3	6.3	47.0	6.7	2.4	0.0	48.4	45.8
Minnesota, US	256	44.1	18.0	25.2	4.5	44.1	7.8	0.4	0.0	43.9	44.3
Ontario, Canada	495	59.6	10.0	17.0	6.0	59.6	6.9	0.5	0.0	56.5	62.6
Quebec, Canada	551	62.4	9.3	16.6	3.9	62.4	6.3	1.5	0.1	58.6	66.4

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Number / Applying (M022106 - M03_05)
 Label: Ratio of children to adults on bus
 Type: CR Key: -

COUNTRY	N	10	70	71	72	73	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	766	4.0	0.1	0.1	0.0	0.0	77.7	16.9	1.0	4.0	4.0	4.1
Armenia	670	45.9	0.4	0.3	0.0	0.0	31.2	19.1	3.1	45.9	49.8	42.2
Australia	585	35.2	4.5	7.1	2.6	3.0	32.5	14.7	0.4	35.2	31.0	38.5
Bahrain	611	7.5	6.3	2.3	1.6	6.7	57.3	18.0	0.4	7.5	6.2	8.8
Bosnia and Herzegovina	605	21.3	1.8	4.1	0.2	0.7	37.3	34.2	0.3	21.3	18.1	24.5
Botswana	590	8.6	16.9	1.7	1.9	8.6	53.0	8.4	0.9	8.6	10.2	6.8
Bulgaria	577	46.4	2.4	9.6	0.4	1.5	22.5	16.1	1.2	46.4	48.1	44.9
Chinese Taipei	582	70.5	2.5	10.1	0.0	0.9	10.9	5.1	0.0	70.5	71.7	69.5
Colombia	705	10.2	4.0	6.4	1.2	0.7	53.1	23.2	1.3	10.2	5.6	14.8
Cyprus	637	24.3	6.2	5.1	0.0	1.3	37.7	25.0	0.4	24.3	19.4	28.8
Czech Republic	701	35.1	6.6	7.3	0.2	2.4	26.9	21.5	0.0	35.1	31.6	38.4
Egypt	942	17.0	4.6	0.7	0.4	1.8	59.3	15.8	0.3	17.0	17.4	16.6
El Salvador	581	7.5	14.5	3.2	7.2	2.1	41.3	22.7	1.5	7.5	6.6	8.4
England	566	42.3	1.6	12.5	0.5	1.5	33.5	8.0	0.1	42.3	41.0	43.8
Georgia	602	25.1	5.8	5.3	0.1	0.1	31.7	30.8	1.0	25.1	25.8	24.3
Ghana	746	19.0	10.9	3.2	1.9	5.2	42.9	15.6	1.3	19.0	17.3	20.4
Hong Kong SAR	483	58.5	2.2	10.2	0.3	1.6	22.8	4.2	0.2	58.5	60.9	56.0
Hungary	582	43.7	4.7	8.7	0.1	0.4	28.4	13.8	0.1	43.7	42.1	45.5
Indonesia	595	15.3	2.7	3.5	0.0	0.6	61.3	15.7	0.8	15.3	14.0	16.8
Iran, Islamic Rep. of	564	20.8	12.4	4.2	0.5	2.4	43.9	15.6	0.3	20.8	20.4	21.1
Israel	479	21.7	5.9	8.6	0.3	2.2	34.7	24.6	2.0	21.7	22.6	20.6
Italy	624	31.4	7.2	7.1	0.3	1.0	28.8	23.8	0.4	31.4	26.0	36.1
Japan	612	53.8	4.4	12.2	0.2	1.5	21.9	6.0	0.1	53.8	53.4	54.3
Jordan	745	17.6	7.3	3.6	3.5	2.3	56.2	9.4	0.0	17.6	15.8	19.3
Korea, Rep. of	601	75.0	1.0	10.1	0.0	0.1	12.7	1.0	0.0	75.0	76.7	73.5
Kuwait	578	5.4	4.3	1.1	1.5	0.7	58.6	26.2	2.1	5.4	6.9	3.7
Lebanon	543	9.3	7.8	2.0	0.7	2.3	44.3	33.7	0.0	9.3	7.5	11.5
Lithuania	568	27.7	7.9	9.6	0.3	1.2	28.5	24.1	0.8	27.7	27.1	28.3
Malaysia	633	37.5	5.4	7.1	1.4	3.1	36.6	8.4	0.5	37.5	36.6	38.5
Malta	660	29.3	4.9	4.5	2.0	2.1	44.5	12.4	0.3	29.3	26.4	32.3
Morocco	446	2.8	3.5	2.1	0.3	0.7	52.1	37.5	0.9	2.8	1.7	4.0
Norway	662	15.6	6.8	5.4	2.3	1.9	49.1	18.7	0.2	15.6	13.1	18.0
Oman	679	4.5	10.1	0.8	2.5	5.1	65.4	11.5	0.2	4.5	4.0	5.0
Palestinian Nat'l Auth.	629	9.8	6.1	1.2	4.6	1.5	64.3	12.3	0.2	9.8	7.1	12.5
Qatar	1025	4.4	10.4	1.2	4.1	1.8	59.2	18.4	0.6	4.4	4.7	4.1
Romania	604	23.5	9.4	5.8	1.7	2.9	34.3	22.0	0.4	23.5	25.0	22.1
Russian Federation	637	34.3	7.2	5.9	0.3	3.5	27.7	20.7	0.4	34.3	30.7	38.2
Saudi Arabia	606	5.6	7.9	1.1	5.5	2.0	62.3	15.6	0.0	5.6	3.7	7.3
Scotland	597	29.8	7.5	9.6	0.6	2.3	32.5	16.7	1.1	29.8	30.3	29.4
Serbia	578	36.9	3.3	4.2	0.3	0.5	28.3	26.4	0.1	36.9	35.7	38.1
Singapore	663	81.0	1.5	6.4	0.0	1.0	8.5	1.7	0.0	81.0	84.9	77.6
Slovenia	577	23.8	9.7	8.9	0.6	1.7	44.3	11.1	0.0	23.8	16.7	31.3
Sweden	741	13.4	6.6	8.2	0.8	1.2	45.7	23.7	0.5	13.4	11.3	15.3
Syrian Arab Republic	666	8.7	8.2	0.6	2.0	1.6	62.5	16.2	0.1	8.7	8.1	9.5
Thailand	780	28.0	2.7	9.5	0.7	1.7	47.7	9.3	0.3	28.0	28.9	27.1
Tunisia	583	28.2	7.6	3.0	5.2	5.4	33.6	16.5	0.5	28.2	23.1	34.2
Turkey	634	25.2	12.6	5.0	0.4	3.9	42.9	9.8	0.3	25.2	27.0	23.7
Ukraine	638	20.5	7.6	12.0	0.6	3.1	38.0	18.2	0.0	20.5	20.7	20.3
United States	1048	36.9	6.1	6.5	1.3	2.0	43.4	3.7	0.2	36.9	31.9	41.9
International Avg.	643	26.5	6.2	5.5	1.3	2.1	41.1	16.8	0.5	26.5	25.5	27.6
Basque Country, Spain	328	17.3	6.2	3.5	1.5	1.7	45.3	24.4	0.0	17.3	10.9	23.8
British Columbia, Canada	607	40.0	3.1	8.4	1.9	3.6	34.9	8.2	0.0	40.0	36.7	43.1
Dubai, UAE	463	28.6	7.9	2.0	1.5	1.9	41.9	15.9	0.3	28.6	27.9	29.3
Massachusetts, US	263	47.7	5.8	6.5	1.2	3.0	30.9	5.0	0.0	47.7	47.5	47.9
Minnesota, US	256	33.9	8.3	9.5	0.8	4.3	38.8	4.4	0.0	33.9	30.3	37.9
Ontario, Canada	495	36.2	3.9	9.0	2.6	3.1	35.1	10.0	0.0	36.2	32.7	39.6
Quebec, Canada	551	27.4	5.2	6.3	0.2	1.2	41.6	17.9	0.1	27.4	22.6	32.5

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Geometry / Applying (M022108 - M03_06)
 Label: Degree of angle from supplements
 Type: MC Key: C

COUNTRY	N	DIFF	A	B	C	D	E	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	773	55.8	1.9	15.9	55.8	13.8	7.3	4.1	1.0	50.5	60.7
Armenia	669	55.5	2.6	17.6	55.5	8.6	6.9	5.4	3.4	54.2	56.8
Australia	585	61.6	1.4	9.1	61.6	20.0	5.7	1.9	0.4	59.1	63.6
Bahrain	611	34.0	5.1	19.8	34.0	20.8	14.1	5.8	0.4	30.9	37.0
Bosnia and Herzegovina	605	55.9	2.5	12.0	55.9	16.5	7.8	5.0	0.3	49.3	62.6
Botswana	590	25.0	3.7	12.8	25.0	19.5	34.4	3.7	0.9	23.2	27.0
Bulgaria	577	61.4	1.7	16.2	61.4	10.7	6.6	2.3	1.2	61.8	61.1
Chinese Taipei	582	84.4	0.6	5.6	84.4	6.5	2.7	0.2	0.0	84.3	84.5
Colombia	705	30.1	6.4	23.3	30.1	16.5	19.2	2.4	2.1	24.8	35.4
Cyprus	637	50.5	1.4	23.5	50.5	14.4	7.9	1.9	0.4	49.6	51.3
Czech Republic	701	63.4	0.9	12.3	63.4	12.4	6.9	4.1	0.0	59.7	66.9
Egypt	939	41.4	4.7	14.1	41.4	21.4	15.7	2.3	0.3	43.3	39.6
El Salvador	580	28.7	14.7	22.5	28.7	13.7	14.1	3.8	2.4	25.6	32.1
England	566	60.7	1.4	7.9	60.7	19.7	8.4	1.8	0.1	60.6	60.9
Georgia	602	40.9	3.7	17.8	40.9	15.2	15.1	6.3	1.0	36.1	46.4
Ghana	746	24.6	6.1	18.4	24.6	18.6	25.5	5.4	1.5	23.1	25.8
Hong Kong SAR	483	70.0	1.2	19.9	70.0	6.0	2.4	0.2	0.2	73.1	66.8
Hungary	582	67.3	1.3	8.2	67.3	12.2	9.5	1.5	0.1	64.5	70.3
Indonesia	594	37.8	5.2	16.9	37.8	15.4	19.3	4.2	1.2	33.9	42.0
Iran, Islamic Rep. of	564	46.2	3.5	16.7	46.2	18.5	11.1	3.7	0.3	44.6	47.5
Israel	479	51.3	2.8	18.5	51.3	14.0	6.6	5.0	2.0	51.8	50.7
Italy	624	63.0	0.9	12.8	63.0	15.4	3.3	3.6	1.0	54.6	70.2
Japan	612	74.6	0.2	12.4	74.6	10.4	1.8	0.6	0.1	71.0	78.2
Jordan	745	43.5	4.8	17.4	43.5	14.5	16.1	3.6	0.1	42.8	44.3
Korea, Rep. of	601	83.8	0.5	9.1	83.8	4.8	2.0	0.0	0.0	82.9	84.5
Kuwait	578	31.2	3.0	16.3	31.2	31.3	11.8	4.4	2.1	27.0	35.9
Lebanon	540	66.5	1.6	11.9	66.5	10.4	5.8	3.8	0.0	62.8	71.4
Lithuania	566	58.7	1.8	11.0	58.7	15.5	9.0	3.2	0.8	56.8	60.4
Malaysia	633	61.7	1.9	9.2	61.7	13.2	11.6	1.8	0.7	61.3	62.2
Malta	659	62.3	1.7	12.6	62.3	13.8	7.9	1.4	0.3	62.0	62.5
Morocco	446	43.4	1.9	21.2	43.4	14.7	13.1	4.8	0.9	40.5	46.7
Norway	662	62.7	2.1	8.8	62.7	12.0	11.7	2.3	0.2	62.7	62.8
Oman	679	26.6	6.2	21.4	26.6	22.6	16.9	6.1	0.2	24.6	29.0
Palestinian Nat'l Auth.	629	39.2	5.1	14.2	39.2	20.5	17.8	3.0	0.3	38.0	40.4
Qatar	1025	26.8	10.3	30.5	26.8	18.4	11.8	1.7	0.6	25.0	28.6
Romania	604	54.2	1.7	16.1	54.2	15.8	9.3	2.4	0.4	47.2	60.8
Russian Federation	637	57.9	1.7	17.4	57.9	15.1	4.0	3.5	0.4	56.4	59.6
Saudi Arabia	606	35.9	3.7	14.5	35.9	23.1	20.8	2.0	0.0	32.0	39.3
Scotland	597	59.9	1.4	11.1	59.9	18.9	5.6	2.0	1.1	61.6	58.3
Serbia	577	67.9	1.6	11.9	67.9	9.2	5.2	4.1	0.1	63.4	72.2
Singapore	663	82.6	0.7	7.4	82.6	6.5	2.1	0.6	0.0	86.0	79.6
Slovenia	577	66.3	0.6	9.7	66.3	11.7	9.6	2.1	0.0	60.8	72.0
Sweden	741	59.7	1.1	13.7	59.7	16.7	5.2	3.1	0.5	56.3	62.7
Syrian Arab Republic	666	35.5	5.0	27.1	35.5	18.6	11.6	2.2	0.1	32.2	39.2
Thailand	780	56.7	2.4	18.8	56.7	14.2	5.3	2.3	0.4	54.7	58.6
Tunisia	583	62.5	1.1	14.1	62.5	10.3	7.8	3.6	0.6	61.3	63.8
Turkey	634	39.9	5.3	15.8	39.9	15.2	21.5	2.1	0.3	39.6	40.2
Ukraine	638	54.0	2.7	15.7	54.0	17.5	7.6	2.6	0.0	54.0	54.0
United States	1048	54.6	1.8	14.6	54.6	21.5	6.3	1.0	0.2	52.2	56.9
International Avg.	643	52.6	3.0	15.2	52.6	15.2	10.4	3.0	0.6	50.5	54.8
Basque Country, Spain	328	57.7	1.0	13.6	57.7	14.4	7.9	5.5	0.0	51.9	63.5
British Columbia, Canada	607	60.2	1.2	14.9	60.2	17.9	4.2	1.5	0.0	59.3	61.0
Dubai, UAE	463	46.4	3.0	17.4	46.4	18.5	10.7	3.7	0.3	41.4	51.1
Massachusetts, US	263	62.3	0.3	16.5	62.3	15.3	3.8	1.3	0.5	60.5	63.8
Minnesota, US	256	67.0	0.3	8.2	67.0	18.2	4.7	1.6	0.0	62.3	72.1
Ontario, Canada	495	62.5	0.5	11.2	62.5	19.3	5.7	0.7	0.0	62.2	62.8
Quebec, Canada	551	69.9	0.9	11.3	69.9	10.8	3.9	3.1	0.1	63.9	76.2

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Number / Knowing (M022110 - M03_07)
 Label: Multiply two decimals
 Type: CR Key: -

COUNTRY	N	10	11	70	71	72	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	770	75.2	1.6	2.2	2.1	0.0	11.8	6.0	1.1	76.8	80.8	73.2
Armenia	669	78.6	1.2	1.9	1.5	0.1	7.6	5.1	4.0	79.8	82.9	77.0
Australia	585	70.7	0.0	3.5	3.8	0.7	18.7	2.2	0.4	70.7	74.9	67.5
Bahrain	611	29.4	0.2	13.2	1.9	3.1	37.7	14.1	0.4	29.6	39.1	20.5
Bosnia and Herzegovina	605	75.2	0.2	1.1	2.7	0.8	11.4	8.4	0.3	75.4	78.5	72.2
Botswana	590	25.7	0.1	13.5	0.6	4.4	53.1	1.7	0.9	25.8	27.2	24.3
Bulgaria	577	69.7	0.0	5.8	2.7	0.4	10.9	9.3	1.2	69.7	73.4	66.2
Chinese Taipei	582	70.9	0.0	9.4	0.0	0.8	17.8	1.1	0.0	70.9	75.5	66.7
Colombia	705	21.7	0.0	22.1	0.2	3.9	42.7	7.0	2.3	21.7	19.5	24.0
Cyprus	637	52.7	0.3	9.8	1.0	0.8	22.9	11.9	0.4	53.1	56.8	49.6
Czech Republic	701	79.8	0.8	2.7	3.5	0.1	10.7	2.5	0.0	80.6	84.5	76.8
Egypt	942	62.4	0.2	9.4	0.8	0.9	20.3	5.6	0.3	62.6	64.9	60.2
El Salvador	581	50.2	0.0	11.3	2.3	1.2	25.8	6.8	2.4	50.2	52.2	48.1
England	566	52.1	0.6	2.4	6.0	1.1	30.4	7.4	0.1	52.7	56.1	48.8
Georgia	603	62.3	0.1	5.1	2.4	1.2	15.3	12.5	1.1	62.3	64.8	59.6
Ghana	746	19.2	0.3	9.6	0.9	1.3	55.9	11.2	1.6	19.6	18.4	20.5
Hong Kong SAR	483	78.9	0.3	2.4	1.7	1.2	10.4	4.9	0.2	79.2	82.9	75.3
Hungary	582	74.2	0.2	6.2	5.4	1.0	10.4	2.5	0.1	74.3	76.7	71.8
Indonesia	595	49.2	1.2	14.0	2.6	0.9	27.5	3.3	1.2	50.4	53.4	47.2
Iran, Islamic Rep. of	564	42.4	0.0	19.6	1.5	3.8	24.5	7.9	0.3	42.4	42.8	42.1
Israel	479	58.8	0.0	1.5	2.2	0.3	21.3	13.7	2.3	58.8	63.7	53.0
Italy	623	75.2	0.0	3.2	6.2	1.1	7.6	5.7	1.0	75.2	73.7	76.6
Japan	612	79.8	0.1	5.0	1.9	0.4	11.1	1.6	0.1	79.9	81.7	78.1
Jordan	745	50.5	0.0	7.8	3.5	2.1	32.0	4.0	0.1	50.5	53.5	47.8
Korea, Rep. of	601	61.1	0.2	12.6	0.0	0.2	24.9	1.0	0.0	61.3	62.2	60.5
Kuwait	578	7.5	0.4	8.5	1.8	2.8	57.4	19.3	2.2	7.9	9.5	6.1
Lebanon	543	90.4	0.2	1.1	2.1	0.5	4.0	1.8	0.0	90.6	89.4	92.2
Lithuania	568	83.6	1.0	1.5	4.1	0.3	7.7	1.0	0.8	84.6	89.6	80.3
Malaysia	633	77.7	2.1	3.8	3.8	0.5	10.1	1.2	0.9	79.7	80.9	78.4
Malta	657	73.5	0.9	1.4	6.9	0.4	10.3	6.3	0.3	74.4	76.4	72.3
Morocco	447	0.4	37.7	8.3	13.4	1.1	25.6	12.5	1.0	38.2	42.1	33.9
Norway	662	62.1	3.0	4.4	8.2	0.7	17.2	4.2	0.2	65.1	67.5	62.8
Oman	679	46.5	0.0	10.4	4.0	1.2	31.9	5.8	0.2	46.5	57.8	33.8
Palestinian Nat'l Auth.	630	46.9	0.2	8.8	0.9	1.2	36.1	5.6	0.3	47.1	56.7	37.4
Qatar	1025	34.2	0.4	11.7	1.2	0.6	37.9	13.3	0.7	34.6	36.6	32.5
Romania	604	64.6	1.9	7.2	2.6	1.1	16.8	5.3	0.4	66.5	69.8	63.5
Russian Federation	637	86.2	0.8	1.3	2.4	0.1	7.1	1.7	0.4	87.0	85.8	88.3
Saudi Arabia	606	10.0	0.4	7.0	1.2	1.8	62.0	17.7	0.0	10.3	13.6	7.3
Scotland	597	55.7	0.3	3.4	4.6	2.0	27.6	5.3	1.1	55.9	58.4	53.6
Serbia	577	77.1	0.7	3.5	3.9	0.0	10.4	4.3	0.1	77.8	79.5	76.1
Singapore	663	70.8	0.9	7.0	3.0	1.5	16.0	0.8	0.0	71.7	76.6	67.4
Slovenia	577	63.8	0.3	11.2	1.2	4.2	16.2	3.1	0.0	64.2	63.2	65.2
Sweden	741	66.2	0.4	2.1	10.2	0.4	14.8	5.3	0.5	66.7	68.1	65.4
Syrian Arab Republic	665	36.0	2.0	9.9	7.2	2.3	36.1	6.3	0.1	38.0	37.0	39.2
Thailand	780	45.3	0.0	10.4	1.4	2.0	34.6	5.6	0.7	45.3	50.1	40.5
Tunisia	584	56.9	0.6	7.2	9.7	1.7	19.4	3.8	0.6	57.4	58.6	56.1
Turkey	634	35.5	0.2	19.1	0.9	0.6	29.0	14.4	0.3	35.8	35.1	36.4
Ukraine	638	72.1	0.5	3.0	6.0	1.1	12.9	4.4	0.0	72.6	77.9	66.9
United States	1048	81.1	1.4	3.6	2.8	0.6	9.4	0.7	0.3	82.5	83.3	81.8
International Avg.	643	57.3	1.3	7.2	3.3	1.2	22.7	6.3	0.7	58.7	61.3	56.0
Basque Country, Spain	328	81.3	0.0	3.7	6.0	0.0	7.3	1.7	0.0	81.3	81.5	81.0
British Columbia, Canada	607	78.0	0.6	2.5	4.5	0.9	11.2	2.4	0.0	78.5	80.8	76.4
Dubai, UAE	463	59.1	0.1	5.2	1.9	1.5	24.1	7.7	0.3	59.2	61.2	57.3
Massachusetts, US	263	79.9	3.3	5.8	3.9	0.4	4.3	1.8	0.5	83.3	85.2	81.7
Minnesota, US	256	79.2	3.0	5.3	3.4	0.6	8.4	0.1	0.0	82.2	85.2	78.9
Ontario, Canada	495	81.1	0.5	1.4	6.8	0.1	8.2	2.0	0.0	81.6	79.4	83.7
Quebec, Canada	551	82.5	0.5	1.4	8.0	0.3	5.7	1.3	0.3	83.0	82.2	83.9

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Data and Chance / Applying (M022181 - M03_08)
 Label: Graph showing information in table
 Type: MC Key: B

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	771	50.7	14.5	50.7	15.0	11.4	6.9	1.5	50.3	51.1
Armenia	668	66.2	7.2	66.2	5.1	8.6	8.8	4.1	66.3	66.1
Australia	585	87.1	4.0	87.1	3.8	3.9	0.7	0.4	85.1	88.7
Bahrain	611	61.6	12.6	61.6	11.2	9.2	4.8	0.5	69.3	54.3
Bosnia and Herzegovina	605	69.8	7.3	69.8	3.9	6.2	12.3	0.6	67.4	72.2
Botswana	590	64.9	10.5	64.9	11.8	10.5	1.4	0.9	68.8	60.5
Bulgaria	577	72.2	7.4	72.2	5.5	6.1	7.4	1.4	71.9	72.4
Chinese Taipei	582	92.1	2.4	92.1	2.3	3.0	0.2	0.0	94.1	90.4
Colombia	705	73.2	7.1	73.2	7.6	7.2	1.7	3.2	70.4	76.1
Cyprus	637	74.1	11.0	74.1	6.8	5.4	2.1	0.6	75.1	73.2
Czech Republic	701	88.2	3.2	88.2	3.1	3.4	2.0	0.0	87.9	88.5
Egypt	940	51.8	12.8	51.8	15.9	16.7	2.5	0.4	51.8	51.7
El Salvador	580	54.8	12.2	54.8	10.8	13.4	5.6	3.2	53.7	55.9
England	566	80.8	6.1	80.8	5.1	5.6	2.3	0.1	80.6	81.1
Georgia	603	64.8	9.9	64.8	6.9	9.3	7.8	1.2	67.5	61.6
Ghana	746	43.5	17.8	43.5	13.0	17.2	6.4	2.0	41.5	45.1
Hong Kong SAR	483	87.3	3.3	87.3	4.2	4.5	0.5	0.2	90.3	84.2
Hungary	582	88.2	4.1	88.2	3.3	2.6	1.8	0.1	88.9	87.4
Indonesia	595	65.9	10.3	65.9	9.6	10.7	2.3	1.3	64.5	67.5
Iran, Islamic Rep. of	564	66.5	9.5	66.5	7.7	12.3	3.6	0.5	72.5	61.2
Israel	479	70.8	7.2	70.8	6.1	7.6	5.9	2.3	74.5	66.6
Italy	624	83.6	5.2	83.6	3.7	4.0	2.4	1.1	82.6	84.4
Japan	612	96.1	1.0	96.1	1.3	1.2	0.3	0.1	96.9	95.4
Jordan	745	61.1	10.7	61.1	13.5	11.7	2.5	0.5	61.1	61.1
Korea, Rep. of	601	97.1	1.3	97.1	0.6	0.9	0.0	0.0	97.5	96.8
Kuwait	578	47.2	12.4	47.2	17.7	13.3	6.6	2.8	52.1	41.7
Lebanon	540	78.6	5.9	78.6	4.4	4.9	6.2	0.1	80.7	75.7
Lithuania	568	90.2	3.8	90.2	1.1	2.7	1.4	0.8	91.4	89.2
Malaysia	633	89.3	3.8	89.3	2.8	2.8	0.2	1.1	91.2	87.1
Malta	658	82.0	4.5	82.0	3.2	7.6	2.3	0.5	83.1	80.8
Morocco	445	56.2	8.7	56.2	14.3	7.5	12.1	1.2	52.4	60.4
Norway	662	77.2	8.2	77.2	5.3	5.1	4.0	0.2	83.9	70.8
Oman	679	57.4	11.8	57.4	11.5	15.2	3.5	0.7	61.4	52.9
Palestinian Nat'l Auth.	630	50.1	12.7	50.1	17.6	13.9	5.3	0.5	46.5	53.7
Qatar	1025	40.4	15.6	40.4	18.0	21.3	4.0	0.8	44.6	36.1
Romania	604	66.4	8.7	66.4	10.0	9.8	4.1	0.9	65.5	67.2
Russian Federation	637	84.8	4.8	84.8	3.7	2.9	3.2	0.5	83.0	86.7
Saudi Arabia	605	45.2	13.0	45.2	18.6	16.6	6.5	0.1	57.4	34.2
Scotland	597	82.6	5.5	82.6	3.0	5.4	2.2	1.2	85.8	79.6
Serbia	575	80.6	3.8	80.6	4.3	4.1	7.2	0.1	78.8	82.4
Singapore	663	92.6	3.0	92.6	1.5	2.3	0.4	0.1	93.4	92.0
Slovenia	577	89.7	3.6	89.7	2.5	3.7	0.5	0.0	88.6	90.9
Sweden	741	89.0	4.5	89.0	1.2	3.0	1.8	0.5	90.8	87.4
Syrian Arab Republic	666	47.1	12.1	47.1	15.9	21.2	3.3	0.4	44.7	49.9
Thailand	780	73.5	7.1	73.5	9.1	6.8	2.6	1.0	78.3	68.6
Tunisia	584	63.5	10.2	63.5	9.2	10.3	5.8	1.0	61.7	65.5
Turkey	634	61.5	12.0	61.5	9.6	15.4	1.1	0.4	65.1	58.3
Ukraine	638	76.9	6.5	76.9	6.1	7.5	3.0	0.0	78.4	75.2
United States	1048	89.5	3.9	89.5	2.8	3.2	0.4	0.3	91.5	87.5
International Avg.	643	71.9	7.9	71.9	7.6	8.2	3.7	0.8	73.1	70.8
Basque Country, Spain	328	89.6	3.8	89.6	1.5	3.1	2.0	0.0	89.1	90.0
British Columbia, Canada	607	88.8	3.6	88.8	3.2	3.5	0.9	0.0	90.2	87.5
Dubai, UAE	463	71.9	9.0	71.9	6.5	8.1	4.1	0.3	69.8	74.0
Massachusetts, US	263	90.3	2.8	90.3	1.4	3.2	1.8	0.5	90.1	90.4
Minnesota, US	256	94.4	1.3	94.4	1.5	2.9	0.0	0.0	93.1	95.7
Ontario, Canada	495	90.8	4.5	90.8	1.1	2.1	1.5	0.0	92.5	89.2
Quebec, Canada	551	91.0	4.8	91.0	1.7	1.3	0.9	0.3	92.8	89.0

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Number / Applying (M032307 - M03_09)
 Label: Fraction of tickets sold for 10 zeds
 Type: CR Key: -

COUNTRY	N	10	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	762	4.5	64.8	28.7	2.0	4.5	3.5	5.4
Armenia	669	32.7	34.3	28.1	4.8	32.7	36.9	28.8
Australia	585	25.2	56.4	17.9	0.4	25.2	20.4	29.0
Bahrain	611	6.2	69.4	23.7	0.7	6.2	6.4	6.0
Bosnia and Herzegovina	605	7.4	33.9	58.1	0.6	7.4	6.6	8.2
Botswana	592	5.0	86.1	7.6	1.3	5.0	4.6	5.4
Bulgaria	577	16.9	43.3	38.5	1.4	16.9	17.0	16.7
Chinese Taipei	582	63.8	28.4	7.8	0.0	63.8	61.9	65.5
Colombia	705	3.8	67.2	25.2	3.8	3.8	2.8	4.8
Cyprus	637	29.8	38.8	30.8	0.6	29.8	28.3	31.1
Czech Republic	701	21.9	45.7	32.4	0.0	21.9	26.0	18.0
Egypt	943	8.8	73.1	17.7	0.4	8.8	10.8	6.9
El Salvador	581	1.6	65.4	28.9	4.1	1.6	1.6	1.5
England	566	27.1	62.3	10.5	0.1	27.1	27.4	26.9
Georgia	603	8.3	40.2	50.1	1.3	8.3	7.7	9.0
Ghana	746	2.8	60.5	33.6	3.1	2.8	2.3	3.2
Hong Kong SAR	483	50.7	39.7	9.5	0.2	50.7	51.7	49.7
Hungary	582	25.5	45.5	28.8	0.2	25.5	28.5	22.4
Indonesia	595	4.2	73.4	20.9	1.5	4.2	4.0	4.5
Iran, Islamic Rep. of	564	7.0	61.2	31.0	0.7	7.0	6.9	7.2
Israel	479	29.5	36.5	30.6	3.3	29.5	27.4	32.0
Italy	624	14.9	46.8	37.1	1.2	14.9	13.3	16.3
Japan	612	44.0	44.5	11.4	0.1	44.0	43.8	44.2
Jordan	745	11.3	73.5	14.8	0.5	11.3	8.0	14.3
Korea, Rep. of	601	58.2	38.1	3.7	0.0	58.2	61.1	55.6
Kuwait	578	3.6	56.3	37.2	2.9	3.6	4.9	2.2
Lebanon	543	12.3	49.7	37.9	0.1	12.3	10.6	14.4
Lithuania	568	21.1	50.4	27.8	0.8	21.1	23.0	19.3
Malaysia	633	25.2	62.1	11.3	1.3	25.2	27.8	22.3
Malta	660	32.6	52.5	14.4	0.5	32.6	31.6	33.7
Morocco	449	2.4	52.3	42.1	3.2	2.4	3.4	1.4
Norway	662	17.6	64.0	18.1	0.3	17.6	20.3	15.0
Oman	679	2.0	80.7	16.4	0.8	2.0	2.2	1.8
Palestinian Nat'l Auth.	630	5.4	81.0	13.1	0.5	5.4	5.4	5.4
Qatar	1025	4.5	73.5	21.2	0.8	4.5	5.0	4.1
Romania	604	11.7	61.3	25.9	1.1	11.7	13.8	9.8
Russian Federation	637	22.6	48.4	28.5	0.6	22.6	21.1	24.2
Saudi Arabia	606	1.1	79.8	18.9	0.3	1.1	1.4	0.8
Scotland	597	17.3	60.5	20.7	1.6	17.3	15.3	19.2
Serbia	578	18.3	38.7	42.8	0.1	18.3	14.9	21.7
Singapore	663	70.1	25.9	3.9	0.1	70.1	72.9	67.7
Slovenia	577	30.7	50.7	18.6	0.0	30.7	29.3	32.1
Sweden	741	16.9	63.9	18.7	0.6	16.9	17.1	16.7
Syrian Arab Republic	666	6.7	74.2	18.5	0.6	6.7	4.7	8.9
Thailand	780	7.1	71.4	20.5	1.0	7.1	9.1	5.2
Tunisia	584	8.4	65.8	24.2	1.7	8.4	6.8	10.3
Turkey	634	13.4	62.4	23.8	0.4	13.4	15.4	11.6
Ukraine	638	8.6	58.0	32.7	0.6	8.6	9.7	7.5
United States	1048	28.3	66.0	5.4	0.3	28.3	27.0	29.6
International Avg.	643	18.4	56.7	23.9	1.1	18.4	18.4	18.3
Basque Country, Spain	328	27.6	52.7	19.6	0.0	27.6	28.2	27.1
British Columbia, Canada	607	26.4	62.1	11.5	0.0	26.4	25.4	27.3
Dubai, UAE	463	11.0	65.4	22.8	0.8	11.0	10.3	11.6
Massachusetts, US	263	46.4	46.6	6.4	0.5	46.4	45.9	46.8
Minnesota, US	256	41.3	56.6	2.1	0.0	41.3	38.2	44.8
Ontario, Canada	495	38.7	52.1	9.2	0.1	38.7	41.0	36.6
Quebec, Canada	551	42.6	45.7	11.1	0.6	42.6	36.9	48.7

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Number / Applying (M032523 - M03_10)
 Label: Cups of sugar for 1 1/2 times recipe
 Type: MC Key: B

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	772	15.0	30.3	15.0	16.9	25.5	9.4	2.9	12.1	17.7
Armenia	670	38.9	21.0	38.9	11.7	10.9	12.6	4.8	39.9	38.0
Australia	585	27.7	11.3	27.7	33.7	24.0	2.8	0.6	26.1	28.9
Bahrain	611	15.2	25.1	15.2	28.1	26.5	4.3	0.8	13.6	16.7
Bosnia and Herzegovina	605	15.8	27.8	15.8	26.6	13.6	15.7	0.6	14.4	17.1
Botswana	592	14.3	22.9	14.3	37.0	19.1	5.0	1.6	11.6	17.3
Bulgaria	577	29.0	24.2	29.0	23.4	16.2	5.8	1.4	28.3	29.7
Chinese Taipei	582	70.3	6.3	70.3	16.2	7.2	0.0	0.0	69.5	71.0
Colombia	705	15.0	33.2	15.0	20.6	20.7	5.7	4.7	12.8	17.2
Cyprus	637	28.9	11.9	28.9	35.2	20.0	3.3	0.6	25.7	32.0
Czech Republic	701	26.3	15.9	26.3	25.5	22.6	9.5	0.2	27.7	25.0
Egypt	943	21.0	19.5	21.0	30.2	26.3	2.6	0.5	21.0	21.0
El Salvador	580	10.6	39.8	10.6	19.2	17.6	7.6	5.2	12.1	8.9
England	566	29.8	8.4	29.8	34.6	24.7	2.4	0.1	27.2	32.9
Georgia	603	17.7	28.4	17.7	18.0	24.5	9.6	1.8	13.8	22.0
Ghana	746	13.0	31.2	13.0	26.9	17.9	7.1	3.8	12.0	13.9
Hong Kong SAR	483	66.4	6.7	66.4	18.9	6.6	1.3	0.2	68.5	64.2
Hungary	582	32.6	15.3	32.6	29.6	18.1	4.2	0.2	36.7	28.3
Indonesia	595	17.3	23.5	17.3	32.3	20.3	4.9	1.7	17.5	17.1
Iran, Islamic Rep. of	564	16.4	25.9	16.4	28.5	20.7	7.2	1.4	18.9	14.2
Israel	479	36.7	13.1	36.7	21.4	18.7	6.0	4.0	36.3	37.2
Italy	.	.	.	.	.	.	.	.	.	.
Japan	612	50.2	7.9	50.2	27.6	11.9	2.1	0.3	51.0	49.4
Jordan	745	19.4	26.5	19.4	22.1	27.0	4.3	0.8	13.1	25.1
Korea, Rep. of	601	66.2	7.6	66.2	18.2	7.5	0.5	0.0	65.6	66.8
Kuwait	578	18.1	16.6	18.1	34.9	21.3	6.0	3.1	15.1	21.5
Lebanon	533	12.6	31.1	12.6	21.1	23.9	11.0	0.3	8.9	17.4
Lithuania	566	34.8	18.1	34.8	21.2	21.4	3.7	0.8	35.6	34.0
Malaysia	633	33.7	21.5	33.7	31.7	8.8	2.5	1.9	34.5	32.9
Malta	660	33.1	15.5	33.1	28.5	18.2	4.0	0.8	30.7	35.5
Morocco	446	12.1	30.9	12.1	17.2	26.5	9.0	4.3	11.7	12.4
Norway	662	21.4	13.3	21.4	36.5	23.9	4.4	0.4	20.2	22.6
Oman	679	12.9	36.0	12.9	21.9	23.1	5.2	1.0	11.0	15.0
Palestinian Nat'l Auth.	630	17.2	34.9	17.2	22.5	21.5	3.6	0.5	15.3	19.1
Qatar	1025	24.5	28.6	24.5	26.3	17.9	1.9	0.8	21.9	27.0
Romania	604	19.0	33.1	19.0	23.0	18.0	5.8	1.1	16.6	21.2
Russian Federation	637	42.1	18.5	42.1	21.4	13.3	4.1	0.6	45.7	38.2
Saudi Arabia	606	13.4	28.0	13.4	31.3	22.5	4.6	0.3	8.7	17.6
Scotland	597	21.8	12.3	21.8	33.5	27.5	3.3	1.6	22.9	20.8
Serbia	577	26.4	25.7	26.4	30.4	7.5	9.8	0.4	24.8	28.0
Singapore	663	64.2	8.0	64.2	17.6	8.8	1.2	0.1	67.1	61.6
Slovenia	577	30.3	14.5	30.3	26.8	24.0	4.3	0.0	25.4	35.4
Sweden	741	30.0	8.1	30.0	35.1	23.5	2.8	0.6	28.9	30.9
Syrian Arab Republic	666	13.5	27.5	13.5	21.7	34.2	1.9	1.2	12.1	15.1
Thailand	780	21.2	21.2	21.2	26.2	26.7	3.7	1.0	17.2	25.3
Tunisia	584	29.0	28.5	29.0	29.8	5.5	4.9	2.3	28.1	30.1
Turkey	634	27.6	28.4	27.6	21.5	17.0	5.2	0.4	26.9	28.2
Ukraine	638	28.4	22.5	28.4	22.2	22.1	3.9	0.8	29.7	27.1
United States	1048	34.2	13.4	34.2	27.1	23.3	1.7	0.3	34.5	33.9
International Avg.	644	27.4	21.3	27.4	25.7	19.3	5.1	1.3	26.4	28.4
Basque Country, Spain	328	15.3	21.9	15.3	21.2	36.8	4.8	0.0	13.6	17.1
British Columbia, Canada	607	35.5	11.1	35.5	30.3	20.5	2.7	0.0	35.1	35.8
Dubai, UAE	461	19.1	24.9	19.1	27.5	23.7	3.8	0.9	18.9	19.2
Massachusetts, US	263	49.6	8.6	49.6	23.8	15.4	2.1	0.5	50.7	48.6
Minnesota, US	256	41.3	7.6	41.3	29.3	20.8	1.0	0.0	35.5	47.6
Ontario, Canada	495	30.8	14.4	30.8	28.6	22.9	3.2	0.1	29.2	32.4
Quebec, Canada	551	30.4	11.6	30.4	34.8	18.2	4.1	1.0	27.2	33.7

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Number / Applying (M032701 - M03_11)
 Label: 1 teacher for every 12 students
 Type: MC Key: C

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	772	78.5	1.9	4.2	78.5	9.1	3.2	3.1	73.7	83.0
Armenia	670	79.7	1.5	4.6	79.7	4.4	2.9	6.8	82.0	77.6
Australia	585	88.4	1.1	3.8	88.4	4.9	1.2	0.7	86.3	90.0
Bahrain	611	60.6	5.6	10.3	60.6	19.5	2.9	1.0	61.8	59.4
Bosnia and Herzegovina	605	85.2	1.8	5.2	85.2	4.8	2.4	0.6	85.4	85.0
Botswana	592	55.8	5.8	9.9	55.8	23.5	2.7	2.2	59.0	52.2
Bulgaria	577	79.0	2.7	7.2	79.0	8.0	1.6	1.6	84.8	73.7
Chinese Taipei	582	94.9	0.4	2.9	94.9	1.6	0.2	0.0	95.3	94.6
Colombia	705	61.8	3.7	10.5	61.8	15.3	3.3	5.4	56.0	67.6
Cyprus	637	81.6	2.5	7.2	81.6	6.9	1.1	0.8	84.6	78.7
Czech Republic	701	92.6	1.3	3.5	92.6	1.8	0.4	0.3	93.2	92.1
Egypt	941	71.7	5.4	9.2	71.7	12.5	0.3	0.9	75.1	68.4
El Salvador	580	60.6	4.0	7.6	60.6	19.3	3.0	5.5	57.0	64.5
England	566	83.5	1.0	7.6	83.5	7.3	0.6	0.1	81.5	85.7
Georgia	603	76.8	4.0	4.8	76.8	8.7	3.3	2.3	80.2	73.0
Ghana	746	51.4	6.5	12.9	51.4	20.3	4.9	4.0	50.2	52.4
Hong Kong SAR	483	93.9	0.4	2.3	93.9	2.6	0.6	0.2	94.1	93.8
Hungary	582	93.4	0.4	2.0	93.4	3.1	0.9	0.2	93.9	92.9
Indonesia	595	78.0	4.1	5.4	78.0	8.0	2.8	1.7	78.7	77.3
Iran, Islamic Rep. of	564	77.3	3.4	6.1	77.3	9.7	1.9	1.5	77.1	77.6
Israel	479	81.4	2.7	5.4	81.4	5.1	1.3	4.0	83.0	79.6
Italy	624	88.7	1.3	3.5	88.7	3.9	1.3	1.3	85.8	91.1
Japan	612	94.0	0.8	3.8	94.0	0.6	0.5	0.3	95.3	92.7
Jordan	745	76.5	3.3	6.3	76.5	11.2	2.0	0.8	77.8	75.2
Korea, Rep. of	601	97.3	0.2	2.1	97.3	0.5	0.0	0.0	97.8	96.7
Kuwait	578	40.9	7.6	18.7	40.9	26.4	3.3	3.1	34.2	48.5
Lebanon	543	85.5	1.5	5.2	85.5	5.4	2.1	0.3	82.9	89.0
Lithuania	568	95.0	0.4	1.6	95.0	1.9	0.2	0.9	96.1	94.0
Malaysia	633	90.0	0.9	3.6	90.0	2.3	0.7	2.4	92.3	87.3
Malta	660	85.5	2.3	4.0	85.5	6.4	1.1	0.8	86.5	84.5
Morocco	448	68.8	5.5	8.3	68.8	10.9	2.1	4.3	69.9	67.6
Norway	662	83.7	2.4	4.7	83.7	7.2	1.6	0.4	85.9	81.7
Oman	679	64.1	4.8	9.9	64.1	18.1	2.2	1.0	70.5	56.7
Palestinian Nat'l Auth.	630	64.6	4.2	11.9	64.6	17.0	1.3	1.0	67.7	61.5
Qatar	1025	52.6	8.0	15.6	52.6	21.7	1.1	0.9	53.9	51.3
Romania	604	79.5	2.7	5.0	79.5	9.7	2.0	1.1	79.9	79.2
Russian Federation	637	91.6	0.9	2.2	91.6	3.2	1.4	0.6	90.8	92.5
Saudi Arabia	606	48.0	7.3	11.1	48.0	29.9	3.3	0.5	45.4	50.3
Scotland	597	79.6	2.0	6.6	79.6	9.5	0.7	1.6	80.9	78.4
Serbia	578	89.4	1.8	3.2	89.4	4.3	0.8	0.4	89.1	89.8
Singapore	663	95.1	0.3	1.7	95.1	2.7	0.0	0.1	96.0	94.4
Slovenia	577	88.7	1.1	4.8	88.7	5.1	0.3	0.0	89.3	88.0
Sweden	741	86.5	1.3	6.0	86.5	4.9	0.8	0.6	87.4	85.7
Syrian Arab Republic	666	64.2	5.2	12.4	64.2	15.5	1.3	1.3	60.6	68.5
Thailand	780	81.5	3.8	5.9	81.5	6.8	1.1	1.0	84.1	78.8
Tunisia	584	77.7	2.4	7.4	77.7	7.8	1.9	2.8	73.3	82.8
Turkey	634	77.3	2.5	6.1	77.3	12.6	1.2	0.4	74.8	79.5
Ukraine	638	84.8	2.2	5.4	84.8	6.0	0.8	0.8	84.4	85.2
United States	1048	91.4	0.5	3.1	91.4	3.0	1.4	0.5	93.2	89.7
International Avg.	644	78.5	2.8	6.4	78.5	9.2	1.6	1.5	78.8	78.4
Basque Country, Spain	328	91.2	0.8	2.5	91.2	4.0	1.5	0.0	91.3	91.0
British Columbia, Canada	607	90.2	1.0	4.5	90.2	2.7	1.5	0.0	92.7	87.8
Dubai, UAE	461	77.6	2.9	7.6	77.6	8.2	2.8	0.9	78.4	76.8
Massachusetts, US	263	92.4	0.4	3.2	92.4	2.6	0.9	0.5	94.6	90.5
Minnesota, US	256	94.3	0.0	2.8	94.3	1.9	1.0	0.0	96.0	92.5
Ontario, Canada	495	90.6	0.7	3.6	90.6	4.1	0.8	0.1	92.1	89.2
Quebec, Canada	551	93.5	0.5	2.8	93.5	0.8	0.9	1.4	93.4	93.7

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Number / Applying (M032704 - M03_12)
 Label: A bus travels at a constant speed
 Type: MC Key: B

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	771	55.2	10.9	55.2	15.2	9.7	5.0	3.9	52.3	58.0
Armenia	668	65.9	8.5	65.9	7.8	3.8	7.0	6.9	67.0	64.9
Australia	585	65.1	11.0	65.1	14.6	6.8	1.7	0.8	63.7	66.2
Bahrain	611	32.2	20.2	32.2	25.4	13.4	7.5	1.3	31.7	32.6
Bosnia and Herzegovina	605	56.8	13.1	56.8	13.7	5.4	10.2	0.8	56.5	57.0
Botswana	592	25.2	17.7	25.2	27.5	20.2	6.5	2.9	23.6	27.1
Bulgaria	577	59.6	15.2	59.6	14.8	3.5	5.0	1.9	56.0	62.9
Chinese Taipei	582	89.5	4.4	89.5	4.3	1.2	0.4	0.2	89.8	89.3
Colombia	705	39.3	19.1	39.3	17.6	13.0	3.8	7.3	34.3	44.4
Cyprus	637	60.3	12.0	60.3	15.7	8.7	2.2	1.1	66.0	55.0
Czech Republic	701	80.4	5.8	80.4	8.8	2.5	2.2	0.3	80.6	80.1
Egypt	942	50.8	12.4	50.8	18.4	14.9	2.4	0.9	50.9	50.7
El Salvador	580	35.3	17.0	35.3	20.2	14.8	6.2	6.5	31.9	38.9
England	566	63.8	11.7	63.8	16.1	5.6	2.4	0.4	63.6	64.0
Georgia	603	47.7	14.1	47.7	11.8	13.5	10.3	2.6	40.1	56.4
Ghana	746	27.2	21.4	27.2	18.4	21.0	7.3	4.6	24.4	29.4
Hong Kong SAR	483	85.4	4.5	85.4	5.7	2.6	1.6	0.2	86.9	83.8
Hungary	582	77.1	8.3	77.1	9.1	2.8	2.4	0.4	77.6	76.6
Indonesia	595	52.3	14.8	52.3	15.7	10.1	4.1	2.9	52.5	52.2
Iran, Islamic Rep. of	564	46.6	18.2	46.6	16.5	11.4	5.4	1.9	45.7	47.4
Israel	479	58.0	10.4	58.0	13.5	7.1	6.6	4.4	54.1	62.4
Italy	624	63.4	12.8	63.4	13.5	5.4	3.2	1.7	60.5	65.9
Japan	612	82.9	4.1	82.9	8.2	3.5	1.1	0.3	83.1	82.6
Jordan	745	52.7	13.7	52.7	19.8	9.6	3.0	1.1	55.1	50.5
Korea, Rep. of	601	89.1	2.8	89.1	6.0	2.1	0.0	0.0	88.9	89.4
Kuwait	578	30.8	18.9	30.8	24.4	15.1	7.2	3.6	26.3	36.0
Lebanon	543	78.6	3.8	78.6	8.3	4.1	4.7	0.6	78.0	79.3
Lithuania	568	75.9	6.2	75.9	9.7	4.4	3.0	0.9	78.5	73.6
Malaysia	633	80.5	6.5	80.5	6.1	2.8	1.3	2.8	83.8	76.7
Malta	660	74.0	6.3	74.0	11.6	5.6	1.5	0.9	75.8	72.2
Morocco	447	43.8	15.3	43.8	23.1	6.8	5.9	5.1	43.6	43.9
Norway	662	65.2	10.1	65.2	15.0	6.3	2.9	0.6	68.2	62.3
Oman	679	44.4	17.4	44.4	20.1	11.5	5.5	1.1	49.9	38.2
Palestinian Nat'l Auth.	630	46.3	12.4	46.3	23.1	13.0	4.0	1.2	46.3	46.4
Qatar	1025	33.1	18.6	33.1	28.6	16.8	1.9	1.0	31.3	34.9
Romania	604	56.9	15.3	56.9	15.6	7.4	3.7	1.1	54.6	59.1
Russian Federation	637	79.7	7.9	79.7	4.5	3.2	3.9	0.8	75.6	84.0
Saudi Arabia	606	28.5	18.9	28.5	27.0	18.5	6.2	0.9	33.9	23.7
Scotland	597	61.7	9.0	61.7	15.0	10.6	2.1	1.6	63.1	60.5
Serbia	577	73.6	6.3	73.6	10.9	2.8	6.1	0.4	72.9	74.2
Singapore	663	91.1	2.6	91.1	4.3	1.8	0.1	0.1	94.1	88.4
Slovenia	577	70.2	8.4	70.2	13.6	6.2	1.6	0.0	69.9	70.6
Sweden	741	73.3	6.4	73.3	13.6	4.1	1.8	0.8	73.4	73.2
Syrian Arab Republic	666	40.2	19.7	40.2	21.4	13.3	3.5	2.0	35.9	45.3
Thailand	780	58.5	15.6	58.5	15.0	7.1	2.4	1.3	63.9	53.0
Tunisia	584	53.9	16.5	53.9	14.5	7.6	4.3	3.2	50.7	57.7
Turkey	634	55.4	15.9	55.4	16.5	8.2	3.2	0.7	51.1	59.3
Ukraine	638	65.2	14.0	65.2	10.0	7.5	2.5	0.8	67.2	63.0
United States	1048	73.7	9.9	73.7	8.1	6.1	1.2	0.9	72.9	74.5
International Avg.	644	59.5	12.0	59.5	14.7	8.2	3.8	1.8	59.1	60.0
Basque Country, Spain	328	82.0	5.1	82.0	6.2	2.3	4.0	0.5	81.3	82.6
British Columbia, Canada	607	74.9	6.7	74.9	11.2	4.7	1.9	0.5	78.3	71.7
Dubai, UAE	459	57.6	12.6	57.6	15.6	8.7	4.5	1.0	56.6	58.5
Massachusetts, US	263	79.1	4.9	79.1	7.3	6.5	1.7	0.5	80.1	78.2
Minnesota, US	256	82.2	4.7	82.2	7.8	3.8	1.5	0.0	87.6	76.2
Ontario, Canada	495	73.8	8.4	73.8	10.9	4.4	2.4	0.1	74.2	73.5
Quebec, Canada	551	85.1	4.2	85.1	5.2	2.0	2.0	1.5	85.4	84.8

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Number / Knowing (M032525 - M03_13)
 Label: The number divided by -6 gives 12
 Type: MC Key: A

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	771	34.8	34.8	15.8	12.3	27.5	5.1	4.5	37.2	32.6
Armenia	670	72.3	72.3	4.9	3.6	10.8	1.3	7.1	73.5	71.2
Australia	585	50.6	50.6	18.4	10.5	18.7	1.0	0.8	51.5	50.0
Bahrain	611	30.5	30.5	30.8	18.7	15.1	3.2	1.6	31.2	29.9
Bosnia and Herzegovina	605	69.1	69.1	11.3	5.7	9.8	3.4	0.8	71.2	66.8
Botswana	592	29.6	29.6	17.7	21.4	25.1	2.2	4.1	29.9	29.2
Bulgaria	577	63.3	63.3	10.7	9.2	13.2	1.3	2.2	68.8	58.3
Chinese Taipei	582	85.0	85.0	7.5	1.7	5.5	0.0	0.2	85.8	84.3
Colombia	705	21.0	21.0	25.2	23.4	18.8	3.3	8.3	19.2	22.8
Cyprus	637	43.0	43.0	19.9	11.6	22.4	1.8	1.3	43.9	42.2
Czech Republic	701	67.6	67.6	9.8	5.2	15.3	1.7	0.4	73.1	62.3
Egypt	941	42.8	42.8	24.5	15.6	14.9	1.1	1.1	44.6	41.1
El Salvador	580	26.7	26.7	25.7	25.3	11.8	3.3	7.2	22.5	31.3
England	566	51.1	51.1	21.2	11.8	13.3	2.1	0.5	53.1	48.8
Georgia	603	54.0	54.0	10.7	5.7	24.6	2.3	2.7	59.0	48.3
Ghana	746	25.2	25.2	24.7	26.1	15.3	2.9	5.7	24.4	25.9
Hong Kong SAR	483	80.9	80.9	7.9	4.3	5.7	0.8	0.5	83.8	78.0
Hungary	582	62.9	62.9	8.2	5.4	21.0	2.0	0.5	63.3	62.4
Indonesia	595	45.4	45.4	21.1	9.1	18.0	2.8	3.6	45.9	44.8
Iran, Islamic Rep. of	564	38.4	38.4	27.9	12.9	15.3	2.7	2.8	37.5	39.2
Israel	479	57.6	57.6	20.7	6.5	9.1	1.2	4.9	56.2	59.1
Italy	624	49.5	49.5	20.3	9.5	16.2	2.4	2.0	46.9	51.8
Japan	612	80.8	80.8	8.9	3.2	6.1	0.7	0.3	81.5	80.1
Jordan	745	51.5	51.5	19.5	10.9	14.7	1.9	1.5	48.1	54.6
Korea, Rep. of	601	83.7	83.7	5.1	3.9	6.6	0.6	0.0	85.3	82.3
Kuwait	578	27.7	27.7	32.3	18.7	12.9	3.7	4.7	27.9	27.5
Lebanon	542	61.1	61.1	19.2	6.6	9.4	3.1	0.6	56.9	66.5
Lithuania	567	64.9	64.9	13.1	4.2	15.8	0.9	1.1	67.9	62.2
Malaysia	633	71.9	71.9	12.0	7.9	4.7	0.6	3.0	78.7	64.3
Malta	660	60.0	60.0	20.7	9.2	7.8	1.4	0.9	60.6	59.4
Morocco	448	37.6	37.6	28.4	13.1	11.6	3.3	6.0	35.4	40.1
Norway	662	24.9	24.9	24.9	22.0	21.2	6.0	1.0	26.0	23.9
Oman	679	42.3	42.3	20.2	17.1	17.2	2.0	1.3	49.1	34.6
Palestinian Nat'l Auth.	630	38.8	38.8	23.4	17.3	16.8	2.2	1.7	39.2	38.4
Qatar	1025	28.5	28.5	31.6	22.4	15.2	1.3	1.1	28.2	28.7
Romania	604	57.3	57.3	11.5	9.8	18.0	2.3	1.1	59.0	55.7
Russian Federation	637	79.0	79.0	11.3	2.1	5.7	0.6	1.3	81.8	76.0
Saudi Arabia	603	17.0	17.0	37.3	24.9	16.5	3.0	1.3	18.7	15.4
Scotland	597	40.5	40.5	22.9	15.7	15.2	3.8	1.9	41.0	40.1
Serbia	575	72.2	72.2	10.6	3.3	11.4	2.2	0.4	72.8	71.7
Singapore	663	81.8	81.8	10.4	2.7	4.9	0.0	0.1	84.3	79.5
Slovenia	577	60.6	60.6	19.3	8.0	11.4	0.7	0.0	62.2	58.9
Sweden	741	26.3	26.3	25.3	19.2	23.6	4.7	0.9	25.0	27.4
Syrian Arab Republic	666	35.6	35.6	28.1	15.8	15.7	2.3	2.5	33.9	37.5
Thailand	780	49.8	49.8	17.9	10.8	18.5	1.6	1.5	52.4	47.1
Tunisia	584	52.0	52.0	14.6	8.8	18.0	3.4	3.2	51.8	52.2
Turkey	634	52.3	52.3	8.6	9.5	27.6	1.0	1.0	54.2	50.6
Ukraine	638	53.8	53.8	18.3	9.5	15.6	1.8	1.1	58.6	48.6
United States	1048	64.9	64.9	15.1	7.3	10.6	1.1	1.0	65.1	64.6
International Avg.	643	51.4	51.4	18.3	11.4	14.7	2.1	2.1	52.4	50.4
Basque Country, Spain	328	62.2	62.2	18.7	6.4	10.5	0.8	1.4	56.9	67.5
British Columbia, Canada	607	61.2	61.2	17.7	8.1	10.8	1.7	0.5	62.3	60.1
Dubai, UAE	461	51.1	51.1	25.0	9.2	9.2	4.3	1.2	49.6	52.5
Massachusetts, US	263	74.3	74.3	14.2	2.6	7.6	0.7	0.5	72.7	75.7
Minnesota, US	256	71.8	71.8	15.3	4.0	7.1	1.8	0.0	70.8	72.8
Ontario, Canada	495	58.3	58.3	13.3	11.9	13.7	2.0	0.7	60.2	56.5
Quebec, Canada	551	72.3	72.3	12.5	4.2	7.9	1.2	1.9	72.8	71.9

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Geometry / Applying (M032579 - M03_14)
 Label: The measure of angle C in triangle
 Type: MC Key: B

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	773	61.7	18.5	61.7	7.7	4.8	2.5	4.8	59.8	63.6
Armenia	669	64.1	16.5	64.1	8.2	2.5	1.5	7.1	69.1	59.5
Australia	585	59.7	23.9	59.7	11.1	3.6	0.9	0.8	60.2	59.3
Bahrain	611	58.0	16.4	58.0	15.3	7.0	1.3	2.1	63.4	52.8
Bosnia and Herzegovina	605	50.0	33.6	50.0	9.4	2.6	3.7	0.8	49.0	51.0
Botswana	590	26.9	44.0	26.9	9.7	11.8	3.2	4.4	27.8	25.8
Bulgaria	577	65.0	15.1	65.0	12.3	3.6	1.6	2.3	66.8	63.3
Chinese Taipei	583	86.5	6.8	86.5	5.0	1.4	0.2	0.2	86.9	86.1
Colombia	705	22.2	42.4	22.2	12.9	10.7	2.8	8.9	20.9	23.6
Cyprus	637	66.6	17.9	66.6	9.7	3.2	1.2	1.4	71.2	62.4
Czech Republic	701	60.4	17.9	60.4	11.4	6.0	3.8	0.4	59.5	61.3
Egypt	941	59.9	12.1	59.9	16.5	9.7	0.4	1.4	63.8	56.0
El Salvador	580	22.9	39.8	22.9	17.1	6.8	6.0	7.5	24.0	21.7
England	566	73.4	12.9	73.4	10.7	2.4	0.1	0.5	73.2	73.7
Georgia	602	47.1	23.3	47.1	14.2	7.8	4.9	2.9	45.9	48.4
Ghana	746	28.9	34.0	28.9	15.7	13.5	2.1	5.8	28.1	29.5
Hong Kong SAR	483	86.6	5.0	86.6	6.1	1.5	0.4	0.5	90.3	82.7
Hungary	582	68.3	18.2	68.3	8.9	3.4	0.7	0.6	68.7	67.9
Indonesia	595	33.4	33.7	33.4	18.2	9.2	1.5	3.9	31.9	34.9
Iran, Islamic Rep. of	565	62.3	8.6	62.3	16.7	8.5	0.6	3.4	66.0	59.1
Israel	479	63.5	13.9	63.5	10.4	4.6	2.7	4.9	62.6	64.6
Italy	624	51.2	35.3	51.2	9.8	0.9	0.6	2.2	47.1	54.8
Japan	612	92.4	3.8	92.4	2.7	0.7	0.2	0.3	91.5	93.4
Jordan	744	60.7	15.0	60.7	10.7	10.7	1.2	1.7	62.5	59.1
Korea, Rep. of	601	93.3	3.3	93.3	3.1	0.3	0.0	0.0	94.7	92.1
Kuwait	578	43.6	19.0	43.6	14.2	16.0	2.5	4.7	43.1	44.2
Lebanon	543	90.0	4.1	90.0	2.8	2.0	0.2	0.8	88.4	92.1
Lithuania	568	65.8	17.7	65.8	9.8	4.8	0.6	1.3	65.2	66.3
Malaysia	633	63.2	17.2	63.2	10.2	5.1	1.1	3.2	66.4	59.6
Malta	659	75.5	14.4	75.5	6.8	2.1	0.3	0.9	77.7	73.2
Morocco	447	50.1	22.0	50.1	15.4	4.7	1.6	6.2	49.3	50.9
Norway	662	53.2	21.3	53.2	18.3	4.4	1.3	1.5	52.8	53.7
Oman	679	47.9	22.1	47.9	12.7	14.3	1.3	1.6	55.5	39.4
Palestinian Nat'l Auth.	630	58.5	16.5	58.5	14.0	8.2	1.2	1.7	62.2	54.8
Qatar	1025	36.4	26.2	36.4	20.8	14.5	0.9	1.1	33.7	39.1
Romania	604	52.4	31.7	52.4	11.8	2.2	0.8	1.1	54.5	50.5
Russian Federation	637	71.3	14.8	71.3	7.5	3.8	1.1	1.5	67.4	75.6
Saudi Arabia	606	36.5	23.8	36.5	22.5	12.7	3.2	1.3	40.9	32.5
Scotland	597	58.7	23.5	58.7	10.8	4.3	0.7	1.9	58.8	58.7
Serbia	576	65.3	22.5	65.3	7.1	2.4	2.0	0.6	64.5	66.1
Singapore	663	93.9	1.7	93.9	3.4	0.9	0.1	0.1	96.5	91.5
Slovenia	577	57.8	20.5	57.8	14.4	6.0	1.2	0.0	51.4	64.7
Sweden	741	58.3	18.7	58.3	15.3	5.2	1.4	1.2	56.7	59.7
Syrian Arab Republic	666	49.0	23.0	49.0	15.2	7.8	2.1	2.8	45.6	52.9
Thailand	780	50.0	31.2	50.0	12.7	3.3	1.0	1.8	53.0	47.0
Tunisia	584	64.7	18.3	64.7	9.2	3.6	1.0	3.2	60.0	70.3
Turkey	634	56.3	19.3	56.3	14.6	7.8	0.6	1.3	56.3	56.2
Ukraine	638	53.8	23.1	53.8	12.6	7.3	2.2	1.1	51.3	56.4
United States	1048	55.0	27.9	55.0	11.1	4.5	0.5	1.0	55.9	54.1
International Avg.	643	58.6	20.2	58.6	11.6	5.8	1.5	2.3	59.0	58.3
Basque Country, Spain	328	50.0	33.4	50.0	11.7	2.2	1.3	1.4	45.3	54.7
British Columbia, Canada	607	51.7	29.6	51.7	12.2	2.9	2.8	0.8	50.3	53.0
Dubai, UAE	461	66.3	11.3	66.3	9.4	10.1	1.7	1.2	69.4	63.3
Massachusetts, US	263	73.4	14.2	73.4	7.5	2.2	2.3	0.5	77.1	70.3
Minnesota, US	256	60.4	25.7	60.4	11.0	1.5	1.2	0.3	61.6	59.1
Ontario, Canada	495	67.0	15.3	67.0	11.2	3.8	1.8	1.0	66.1	67.8
Quebec, Canada	551	76.4	14.9	76.4	4.7	1.0	1.1	1.9	71.4	81.7

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Geometry / Applying (M032691 - M03_15)

Label: Draw angles that are supplementary

Type: CR Key: -

COUNTRY	N	10	70	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	768	48.5	2.0	27.7	15.8	6.1	48.5	47.4	49.5
Armenia	670	45.3	3.4	18.5	24.8	8.1	45.3	45.7	44.8
Australia	585	42.0	0.1	38.3	18.7	1.0	42.0	42.5	41.5
Bahrain	611	33.9	1.8	39.2	22.6	2.5	33.9	44.0	24.3
Bosnia and Herzegovina	605	38.1	2.8	23.4	32.8	2.9	38.1	36.9	39.4
Botswana	590	5.1	0.5	71.9	16.5	6.0	5.1	5.4	4.8
Bulgaria	577	53.9	2.9	19.9	20.8	2.5	53.9	54.6	53.2
Chinese Taipei	583	63.4	1.5	18.6	16.2	0.4	63.4	63.3	63.5
Colombia	705	8.8	0.5	56.7	24.1	10.0	8.8	6.1	11.6
Cyprus	637	39.8	2.1	33.5	22.6	2.0	39.8	46.1	33.9
Czech Republic	701	53.2	1.5	26.6	17.4	1.3	53.2	55.6	50.8
Egypt	943	31.6	3.1	48.9	14.7	1.7	31.6	30.6	32.5
El Salvador	581	2.9	1.6	45.4	41.0	9.1	2.9	3.2	2.6
England	566	39.0	2.6	45.3	12.6	0.5	39.0	39.6	38.4
Georgia	602	36.0	5.4	20.3	33.5	4.8	36.0	37.2	34.6
Ghana	746	3.7	1.1	44.3	44.1	6.9	3.7	4.8	2.7
Hong Kong SAR	483	59.8	1.3	27.5	11.0	0.5	59.8	65.4	53.9
Hungary	582	40.3	2.4	30.6	25.7	1.0	40.3	43.6	36.7
Indonesia	595	18.1	3.0	56.1	18.4	4.5	18.1	17.6	18.6
Iran, Islamic Rep. of	565	39.3	5.2	38.5	13.0	4.0	39.3	44.0	35.2
Israel	479	39.5	0.9	29.7	23.7	6.1	39.5	41.0	37.8
Italy	623	50.6	8.0	20.2	19.0	2.3	50.6	49.2	51.7
Japan	612	47.5	1.1	36.7	14.4	0.3	47.5	49.3	45.7
Jordan	744	38.5	4.0	44.1	11.5	1.9	38.5	40.0	37.1
Korea, Rep. of	601	65.6	0.6	29.0	4.8	0.0	65.6	70.2	61.4
Kuwait	578	25.3	0.8	37.3	30.8	5.8	25.3	30.1	19.8
Lebanon	543	35.8	1.7	39.1	22.4	1.0	35.8	36.1	35.4
Lithuania	568	59.9	0.7	20.7	17.4	1.4	59.9	61.9	58.1
Malaysia	632	13.4	5.0	60.6	17.5	3.7	13.4	16.0	10.4
Malta	660	38.2	1.1	41.1	18.7	0.9	38.2	42.2	34.2
Morocco	448	24.8	6.4	30.0	31.9	7.0	24.8	24.2	25.5
Norway	662	25.9	2.6	45.9	23.8	1.8	25.9	28.7	23.3
Oman	679	27.9	1.6	53.0	15.1	2.4	27.9	32.2	23.1
Palestinian Nat'l Auth.	630	30.6	2.5	51.4	13.4	2.1	30.6	32.7	28.5
Qatar	1025	11.2	0.4	57.1	29.6	1.8	11.2	14.9	7.3
Romania	604	48.3	5.0	31.2	14.4	1.1	48.3	50.4	46.4
Russian Federation	637	69.7	1.8	16.3	10.2	2.0	69.7	70.2	69.2
Saudi Arabia	606	18.9	4.1	60.1	15.2	1.7	18.9	24.9	13.5
Scotland	597	39.8	2.7	39.3	16.3	1.9	39.8	39.2	40.3
Serbia	577	56.3	1.7	16.9	23.8	1.2	56.3	61.5	51.1
Singapore	663	43.0	3.7	45.8	7.3	0.2	43.0	47.9	38.6
Slovenia	577	36.4	2.7	45.4	15.2	0.3	36.4	38.9	33.7
Sweden	741	30.6	0.7	37.9	29.1	1.6	30.6	34.6	27.2
Syrian Arab Republic	666	47.1	12.1	25.7	11.8	3.3	47.1	46.1	48.3
Thailand	780	39.8	0.5	40.5	16.6	2.6	39.8	39.7	40.0
Tunisia	584	50.7	1.9	32.8	11.4	3.2	50.7	46.8	55.3
Turkey	634	17.1	0.7	53.9	26.8	1.6	17.1	17.8	16.4
Ukraine	638	56.8	1.4	26.9	13.2	1.7	56.8	60.0	53.3
United States	1048	48.4	1.1	43.9	5.5	1.0	48.4	48.1	48.7
International Avg.	643	37.6	2.5	37.6	19.5	2.8	37.6	39.4	35.8
Basque Country, Spain	328	38.7	2.1	33.2	23.7	2.3	38.7	39.6	37.9
British Columbia, Canada	607	40.9	0.8	43.7	12.9	1.7	40.9	42.3	39.6
Dubai, UAE	463	35.8	9.4	31.9	21.8	1.2	35.8	39.9	31.8
Massachusetts, US	263	63.3	0.6	29.5	6.1	0.5	63.3	63.2	63.3
Minnesota, US	256	57.5	0.5	39.8	1.9	0.3	57.5	61.4	53.2
Ontario, Canada	495	54.2	1.5	34.4	8.4	1.4	54.2	56.4	52.2
Quebec, Canada	551	61.0	0.9	23.8	11.7	2.7	61.0	58.0	64.1

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Number / Knowing (M042001 - M04_01)
 Label: Which is the correct number
 Type: MC Key: B

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	774	20.0	22.6	20.0	28.9	23.5	4.7	0.2	16.7	22.9
Armenia	673	44.7	10.1	44.7	20.6	23.4	1.2	0.0	37.1	51.1
Australia	573	82.7	3.9	82.7	10.0	3.0	0.4	0.0	80.1	84.8
Bahrain	603	37.5	16.3	37.5	22.2	22.8	1.2	0.1	37.8	37.1
Bosnia and Herzegovina	600	77.7	1.7	77.7	12.6	7.2	0.8	0.0	77.1	78.1
Botswana	598	45.1	11.8	45.1	26.2	15.9	1.0	0.0	42.3	48.3
Bulgaria	569	73.4	1.9	73.4	14.5	7.9	2.2	0.1	74.7	72.3
Chinese Taipei	581	83.9	1.8	83.9	11.8	2.4	0.1	0.0	83.3	84.5
Colombia	711	80.1	3.4	80.1	8.3	6.7	0.5	1.0	78.9	81.4
Cyprus	635	37.7	8.1	37.7	22.8	31.1	0.3	0.0	33.9	41.4
Czech Republic	694	90.7	0.7	90.7	4.8	3.4	0.4	0.0	87.2	94.2
Egypt	941	35.7	17.6	35.7	20.9	25.2	0.6	0.0	30.0	41.5
El Salvador	582	77.2	2.3	77.2	12.6	5.7	1.0	1.2	75.0	79.6
England	558	78.9	3.8	78.9	11.1	4.6	1.5	0.0	72.9	85.6
Georgia	604	61.4	4.7	61.4	18.2	14.7	1.0	0.1	59.0	63.9
Ghana	757	50.3	11.9	50.3	24.4	12.6	0.9	0.0	47.4	52.6
Hong Kong SAR	485	73.2	2.3	73.2	19.0	4.9	0.5	0.2	69.9	76.4
Hungary	584	86.5	0.8	86.5	6.1	6.5	0.1	0.0	83.1	89.9
Indonesia	594	72.5	3.9	72.5	11.6	11.5	0.5	0.0	75.9	68.6
Iran, Islamic Rep. of	570	54.5	13.9	54.5	18.6	11.9	1.2	0.0	54.8	54.2
Israel	489	84.1	2.8	84.1	8.0	3.9	0.5	0.7	83.5	84.7
Italy	621	89.1	0.9	89.1	6.2	3.7	0.1	0.0	86.1	91.8
Japan	612	81.8	2.3	81.8	11.9	3.6	0.4	0.0	82.1	81.6
Jordan	753	32.0	18.3	32.0	24.0	24.8	0.9	0.0	26.4	37.0
Korea, Rep. of	601	87.6	0.9	87.6	8.5	2.6	0.5	0.0	85.3	89.7
Kuwait	584	30.0	17.5	30.0	27.6	21.9	3.0	0.0	24.3	36.7
Lebanon	546	71.6	3.4	71.6	18.6	6.0	0.4	0.0	72.3	70.8
Lithuania	577	73.2	1.7	73.2	16.4	8.3	0.4	0.0	71.0	75.1
Malaysia	627	72.7	4.2	72.7	11.2	11.8	0.1	0.0	68.9	77.0
Malta	659	67.8	2.9	67.8	17.5	11.1	0.6	0.0	63.1	72.7
Morocco	452	58.9	19.3	58.9	9.9	10.6	1.2	0.2	59.7	58.5
Norway	659	70.4	4.0	70.4	16.0	8.6	0.8	0.1	63.5	76.8
Oman	681	23.1	23.5	23.1	26.2	24.0	2.7	0.3	20.3	26.2
Palestinian Nat'l Auth.	617	24.3	20.5	24.3	24.3	29.8	1.2	0.0	19.2	29.4
Qatar	1018	53.3	8.0	53.3	19.4	18.3	0.9	0.1	55.4	51.2
Romania	601	71.7	4.4	71.7	13.3	9.1	1.3	0.1	72.4	71.1
Russian Federation	639	82.9	1.6	82.9	9.6	5.6	0.4	0.0	81.9	84.1
Saudi Arabia	603	18.4	24.4	18.4	25.0	30.0	1.9	0.2	17.3	19.4
Scotland	586	79.5	4.3	79.5	11.7	3.7	0.6	0.1	74.9	84.4
Serbia	583	81.8	1.5	81.8	11.1	5.0	0.7	0.0	82.9	80.7
Singapore	663	78.5	6.1	78.5	11.0	4.3	0.1	0.0	77.8	79.1
Slovenia	580	83.5	2.4	83.5	9.8	4.1	0.3	0.0	84.3	82.5
Sweden	753	76.9	1.8	76.9	14.1	7.2	0.0	0.0	71.6	81.9
Syrian Arab Republic	668	28.7	14.7	28.7	27.1	28.7	0.8	0.0	27.8	29.8
Thailand	769	80.3	1.2	80.3	11.7	6.7	0.1	0.0	79.8	80.7
Tunisia	579	73.8	10.2	73.8	7.2	8.1	0.6	0.2	67.1	81.9
Turkey	634	71.1	5.4	71.1	15.6	7.7	0.2	0.0	67.4	74.0
Ukraine	637	67.1	6.2	67.1	17.6	8.0	1.2	0.0	61.0	72.9
United States	1061	84.9	3.5	84.9	8.7	2.3	0.3	0.3	83.7	86.2
International Avg.	644	64.5	7.4	64.5	15.6	11.5	0.9	0.1	62.2	66.9
Basque Country, Spain	326	89.9	0.2	89.9	5.9	2.3	1.7	0.0	91.1	88.9
British Columbia, Canada	604	78.5	5.5	78.5	9.4	4.3	2.3	0.0	77.6	79.3
Dubai, UAE	430	56.5	8.9	56.5	14.4	18.6	1.5	0.1	51.9	60.9
Massachusetts, US	261	89.2	1.4	89.2	8.4	0.4	0.0	0.5	86.6	91.1
Minnesota, US	257	88.4	3.6	88.4	5.5	2.6	0.0	0.0	87.0	89.6
Ontario, Canada	499	81.0	5.0	81.0	9.5	3.2	1.2	0.0	75.2	85.6
Quebec, Canada	553	88.8	1.8	88.8	7.1	1.9	0.4	0.0	86.2	91.3

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Number / Knowing (M042022 - M04_02)
 Label: 1080 as product of prime factors
 Type: MC Key: C

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	773	13.7	50.9	12.0	13.7	12.1	10.5	0.8	14.1	13.4
Armenia	668	60.8	21.4	10.3	60.8	6.4	1.1	0.0	64.1	58.0
Australia	573	35.1	31.2	19.9	35.1	9.7	4.0	0.0	33.2	36.7
Bahrain	603	37.4	25.8	18.8	37.4	14.0	3.6	0.4	43.4	31.8
Bosnia and Herzegovina	600	27.7	41.0	11.8	27.7	9.0	10.5	0.0	32.7	23.5
Botswana	598	36.7	28.3	20.9	36.7	11.8	2.3	0.0	37.0	36.4
Bulgaria	569	57.6	20.5	10.3	57.6	7.5	3.9	0.1	60.9	54.8
Chinese Taipei	581	70.4	7.3	6.0	70.4	16.0	0.4	0.0	72.3	68.7
Colombia	711	31.0	25.9	23.7	31.0	15.5	2.7	1.3	29.7	32.3
Cyprus	635	44.4	22.5	15.9	44.4	12.0	5.2	0.0	49.8	39.0
Czech Republic	694	55.2	17.4	11.9	55.2	6.3	9.1	0.0	56.2	54.3
Egypt	941	37.4	22.7	22.9	37.4	15.4	1.6	0.0	40.5	34.2
El Salvador	582	36.1	25.0	21.0	36.1	11.3	5.4	1.2	31.2	41.4
England	558	49.4	21.4	16.2	49.4	9.9	3.2	0.0	49.4	49.3
Georgia	604	38.4	33.0	11.4	38.4	11.7	5.4	0.1	34.6	42.6
Ghana	757	27.6	35.0	17.1	27.6	16.9	3.5	0.0	29.2	26.2
Hong Kong SAR	485	73.4	6.9	6.4	73.4	12.3	0.8	0.2	74.2	72.6
Hungary	584	51.9	14.4	10.6	51.9	18.7	4.4	0.0	52.3	51.6
Indonesia	594	34.8	24.6	15.9	34.8	21.7	3.0	0.0	37.5	31.8
Iran, Islamic Rep. of	570	31.3	30.7	16.2	31.3	15.8	5.9	0.0	34.4	28.7
Israel	489	42.1	28.2	15.1	42.1	6.0	7.9	0.7	45.1	38.9
Italy	617	50.7	24.3	6.4	50.7	14.3	4.2	0.0	48.0	53.3
Japan	612	42.6	23.8	13.0	42.6	18.1	2.5	0.0	37.7	47.4
Jordan	753	50.0	22.1	15.3	50.0	10.3	2.3	0.0	49.8	50.2
Korea, Rep. of	601	74.6	4.3	4.3	74.6	16.5	0.3	0.0	77.9	71.5
Kuwait	584	33.1	21.7	23.3	33.1	14.6	7.3	0.0	32.0	34.5
Lebanon	518	47.4	18.4	5.8	47.4	23.2	5.2	0.0	49.3	45.2
Lithuania	574	60.0	25.1	7.4	60.0	4.0	3.5	0.0	61.8	58.4
Malaysia	627	52.9	16.6	14.9	52.9	12.8	2.7	0.0	56.4	48.9
Malta	652	57.7	17.6	12.7	57.7	9.1	2.8	0.0	60.9	54.5
Morocco	441	26.1	40.1	14.7	26.1	13.1	5.9	0.2	31.6	20.5
Norway	659	41.2	26.9	17.7	41.2	6.7	7.4	0.1	40.8	41.7
Oman	681	37.6	23.2	24.6	37.6	8.8	5.3	0.5	45.3	29.2
Palestinian Nat'l Auth.	617	43.3	23.9	18.2	43.3	12.7	2.0	0.0	46.3	40.3
Qatar	1018	30.9	33.1	20.0	30.9	14.3	1.6	0.1	36.3	25.5
Romania	600	46.1	21.3	10.3	46.1	18.9	3.4	0.1	51.1	41.6
Russian Federation	639	52.0	23.5	18.0	52.0	4.1	2.3	0.0	53.8	50.0
Saudi Arabia	602	30.6	23.1	24.6	30.6	17.5	4.0	0.2	32.3	29.0
Scotland	586	40.1	26.2	14.6	40.1	10.5	8.5	0.1	41.3	38.8
Serbia	549	46.1	28.7	11.2	46.1	6.9	7.1	0.0	52.4	40.2
Singapore	663	68.1	9.1	7.9	68.1	14.4	0.5	0.0	75.1	61.9
Slovenia	580	44.7	27.2	14.6	44.7	8.3	5.2	0.0	46.1	43.0
Sweden	753	23.1	31.5	13.0	23.1	23.4	9.1	0.0	22.3	23.9
Syrian Arab Republic	668	33.0	30.8	16.0	33.0	17.8	2.4	0.0	35.1	30.5
Thailand	769	58.5	15.2	12.0	58.5	13.2	1.2	0.0	61.3	55.9
Tunisia	579	41.4	23.9	11.2	41.4	19.6	3.7	0.2	41.2	41.8
Turkey	634	39.4	24.2	13.0	39.4	19.9	3.5	0.0	39.7	39.2
Ukraine	637	39.8	31.1	16.7	39.8	7.6	4.7	0.0	44.7	35.2
United States	1061	55.7	20.1	10.9	55.7	11.7	1.2	0.4	57.8	53.5
International Avg.	642	44.1	24.3	14.4	44.1	12.9	4.2	0.1	45.9	42.3
Basque Country, Spain	326	51.2	22.1	8.4	51.2	15.0	3.2	0.0	49.1	53.3
British Columbia, Canada	604	49.1	22.3	15.6	49.1	7.8	5.3	0.0	49.6	48.7
Dubai, UAE	428	54.5	18.6	11.2	54.5	11.3	4.4	0.1	57.3	51.7
Massachusetts, US	261	66.7	13.4	8.5	66.7	10.5	0.4	0.5	67.0	66.5
Minnesota, US	257	57.7	20.4	7.8	57.7	13.7	0.4	0.0	59.0	56.4
Ontario, Canada	499	56.1	18.4	13.1	56.1	9.4	3.0	0.0	63.0	50.4
Quebec, Canada	553	48.4	19.9	11.2	48.4	14.7	5.8	0.0	43.1	53.4

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Algebra / Knowing (M042082 - M04_03)
 Label: What is the value of the expression
 Type: MC Key: A

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	774	11.1	11.1	13.8	13.5	51.2	9.4	1.0	11.8	10.4
Armenia	675	62.7	62.7	4.8	7.8	23.2	1.5	0.0	60.0	65.0
Australia	571	30.1	30.1	8.1	15.8	43.3	2.7	0.0	29.7	30.5
Bahrain	603	21.8	21.8	14.7	16.4	41.9	4.7	0.6	21.6	21.9
Bosnia and Herzegovina	600	44.3	44.3	4.0	9.9	34.1	7.7	0.0	51.0	38.6
Botswana	598	14.2	14.2	7.6	13.6	61.6	3.0	0.0	14.7	13.6
Bulgaria	569	40.6	40.6	8.9	13.2	33.4	3.7	0.1	43.4	38.1
Chinese Taipei	581	77.2	77.2	4.7	6.7	10.8	0.6	0.0	81.2	73.7
Colombia	711	12.0	12.0	13.8	16.0	50.2	6.1	1.9	11.7	12.4
Cyprus	635	28.0	28.0	9.3	12.6	48.7	1.4	0.0	29.6	26.5
Czech Republic	694	33.8	33.8	5.8	10.4	44.6	5.3	0.0	41.1	26.6
Egypt	942	30.0	30.0	12.0	16.7	40.1	1.2	0.0	35.5	24.3
El Salvador	582	11.1	11.1	11.2	14.1	53.4	8.9	1.4	10.9	11.2
England	558	23.8	23.8	7.0	15.7	50.9	2.7	0.0	24.0	23.6
Georgia	604	37.8	37.8	7.3	10.4	36.5	7.1	0.9	37.5	38.1
Ghana	757	22.8	22.8	11.2	14.9	48.0	3.0	0.0	22.3	23.3
Hong Kong SAR	485	67.3	67.3	4.3	9.1	18.0	0.7	0.5	71.0	63.6
Hungary	584	46.7	46.7	5.7	11.7	34.2	1.8	0.0	52.9	40.2
Indonesia	594	22.4	22.4	7.7	13.1	52.2	4.4	0.2	24.1	20.5
Iran, Islamic Rep. of	570	16.2	16.2	14.0	16.0	45.8	8.1	0.0	21.4	11.8
Israel	489	38.5	38.5	8.1	12.2	36.1	4.3	0.8	39.8	37.0
Italy	621	22.1	22.1	8.5	13.3	50.3	5.8	0.0	24.4	20.0
Japan	612	60.2	60.2	5.5	16.4	16.6	1.3	0.0	63.7	56.8
Jordan	753	37.6	37.6	9.2	19.1	32.6	1.4	0.0	46.0	30.3
Korea, Rep. of	601	72.5	72.5	2.2	8.5	16.6	0.2	0.0	69.9	75.0
Kuwait	584	16.9	16.9	15.0	18.4	42.9	6.8	0.0	16.1	17.8
Lebanon	544	49.5	49.5	6.2	9.4	32.7	2.2	0.0	53.6	44.6
Lithuania	577	36.3	36.3	7.8	12.0	40.9	2.9	0.0	42.7	30.7
Malaysia	627	38.7	38.7	9.9	16.7	32.2	2.4	0.0	41.7	35.3
Malta	658	39.7	39.7	11.0	16.8	29.7	2.7	0.0	44.5	34.8
Morocco	452	25.6	25.6	9.1	17.3	41.9	5.9	0.2	26.6	24.8
Norway	659	13.3	13.3	13.4	17.7	48.8	6.2	0.6	16.0	10.8
Oman	681	30.3	30.3	10.6	14.5	38.5	5.4	0.6	34.7	25.4
Palestinian Nat'l Auth.	617	20.5	20.5	12.6	14.7	50.2	2.1	0.0	18.6	22.3
Qatar	1018	23.4	23.4	19.7	20.0	33.9	3.0	0.1	23.9	22.9
Romania	601	41.3	41.3	8.3	10.1	37.7	2.4	0.1	48.4	34.9
Russian Federation	639	55.4	55.4	4.5	8.8	28.8	2.6	0.0	59.1	51.1
Saudi Arabia	603	17.2	17.2	13.2	15.2	48.9	5.2	0.2	16.3	18.1
Scotland	586	19.7	19.7	11.0	15.8	48.7	4.7	0.1	18.2	21.2
Serbia	581	53.3	53.3	4.4	8.4	29.8	4.2	0.0	58.9	47.9
Singapore	663	71.8	71.8	3.4	9.5	15.0	0.3	0.0	81.4	63.4
Slovenia	580	43.6	43.6	7.9	10.8	33.8	3.9	0.0	50.6	35.0
Sweden	753	10.9	10.9	10.2	14.7	59.3	4.9	0.0	10.5	11.4
Syrian Arab Republic	668	21.4	21.4	14.8	16.5	44.0	3.3	0.0	19.0	24.1
Thailand	769	25.0	25.0	11.3	13.9	46.5	3.2	0.1	23.4	26.5
Tunisia	579	20.7	20.7	9.5	16.4	48.1	5.2	0.2	23.2	17.8
Turkey	634	29.2	29.2	10.5	14.8	40.4	5.1	0.0	28.9	29.4
Ukraine	637	37.1	37.1	8.9	11.3	40.9	1.8	0.0	40.2	34.2
United States	1061	48.4	48.4	6.4	10.8	32.6	1.2	0.5	52.6	43.9
International Avg.	644	34.2	34.2	9.2	13.5	39.2	3.8	0.2	36.5	31.9
Basque Country, Spain	326	34.9	34.9	9.8	17.0	30.6	7.6	0.0	40.0	30.0
British Columbia, Canada	604	35.3	35.3	5.7	13.8	41.8	3.4	0.0	33.9	36.5
Dubai, UAE	430	41.8	41.8	9.6	12.9	31.9	3.6	0.2	47.0	36.7
Massachusetts, US	261	60.0	60.0	2.0	5.8	29.2	2.4	0.5	57.7	61.7
Minnesota, US	257	49.3	49.3	4.2	13.1	33.5	0.0	0.0	47.0	51.4
Ontario, Canada	499	27.7	27.7	6.9	14.1	49.0	2.3	0.0	31.1	24.9
Quebec, Canada	553	40.5	40.5	8.5	15.3	32.8	2.9	0.0	36.4	44.4

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Algebra / Knowing (M042088 - M04_04)
 Label: Length of the second pipe
 Type: MC Key: A

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	775	25.3	25.3	36.6	18.5	11.3	7.0	1.3	27.0	23.8
Armenia	675	79.2	79.2	11.8	4.5	4.2	0.3	0.0	83.1	76.0
Australia	573	57.5	57.5	20.7	11.2	9.5	1.0	0.1	61.5	54.2
Bahrain	603	36.1	36.1	31.9	18.2	10.4	2.8	0.6	43.4	29.1
Bosnia and Herzegovina	600	60.2	60.2	23.1	5.5	5.3	5.9	0.0	69.2	52.4
Botswana	598	31.7	31.7	34.4	17.7	13.6	2.6	0.0	30.3	33.3
Bulgaria	569	54.4	54.4	23.1	7.8	9.8	4.5	0.4	60.0	49.5
Chinese Taipei	581	79.2	79.2	9.6	6.7	4.4	0.1	0.0	82.5	76.3
Colombia	711	24.0	24.0	42.5	12.5	16.8	2.1	2.0	18.7	29.3
Cyprus	635	42.4	42.4	40.2	9.5	6.4	1.4	0.0	46.5	38.4
Czech Republic	694	57.1	57.1	20.7	5.9	11.5	4.8	0.0	62.4	51.9
Egypt	939	21.2	21.2	45.9	17.1	15.2	0.4	0.2	21.8	20.6
El Salvador	582	35.1	35.1	38.9	12.2	8.8	3.5	1.5	31.1	39.4
England	558	55.1	55.1	25.4	7.3	9.9	2.2	0.0	57.1	52.9
Georgia	604	55.3	55.3	24.2	8.5	7.8	3.2	0.9	60.3	49.9
Ghana	757	34.4	34.4	36.5	17.9	9.6	1.6	0.0	30.4	37.6
Hong Kong SAR	485	83.5	83.5	6.5	4.8	3.7	1.1	0.5	84.0	82.9
Hungary	584	66.1	66.1	19.2	5.1	7.8	1.8	0.0	68.0	64.1
Indonesia	594	51.2	51.2	25.5	11.1	9.4	2.6	0.2	55.8	45.9
Iran, Islamic Rep. of	570	38.2	38.2	25.9	18.9	14.9	2.2	0.0	42.3	34.8
Israel	489	46.1	46.1	21.2	13.9	14.7	3.3	0.8	50.2	41.7
Italy	621	42.9	42.9	26.9	11.0	16.6	2.6	0.0	43.5	42.3
Japan	612	72.2	72.2	9.7	8.2	9.8	0.1	0.0	74.5	70.0
Jordan	753	37.3	37.3	28.9	17.9	13.2	2.7	0.0	34.4	39.9
Korea, Rep. of	601	76.1	76.1	7.7	7.5	8.6	0.2	0.0	76.7	75.6
Kuwait	584	18.0	18.0	39.5	24.9	12.9	4.7	0.0	17.7	18.3
Lebanon	545	50.5	50.5	31.4	7.4	8.0	2.7	0.0	53.9	46.4
Lithuania	577	56.0	56.0	17.9	6.3	17.4	2.5	0.0	63.6	49.3
Malaysia	627	36.2	36.2	28.0	18.3	16.6	0.9	0.0	39.6	32.2
Malta	658	58.4	58.4	19.2	11.7	8.8	1.8	0.0	62.4	54.2
Morocco	450	33.7	33.7	33.4	17.9	13.2	1.7	0.2	34.5	33.0
Norway	659	29.5	29.5	32.5	13.8	18.8	4.8	0.6	32.3	26.9
Oman	681	27.0	27.0	40.9	15.6	11.6	4.0	0.8	31.7	21.9
Palestinian Nat'l Auth.	617	25.4	25.4	41.2	21.2	10.8	1.3	0.0	24.3	26.6
Qatar	1018	25.5	25.5	37.3	24.5	11.5	1.1	0.1	28.8	22.3
Romania	601	56.8	56.8	24.2	6.3	9.6	2.9	0.1	67.6	47.2
Russian Federation	639	73.0	73.0	14.9	3.1	6.0	2.2	0.8	72.9	73.1
Saudi Arabia	602	21.0	21.0	37.3	27.4	9.7	4.4	0.2	25.9	16.3
Scotland	586	50.6	50.6	26.3	11.5	9.7	1.8	0.1	55.5	45.2
Serbia	583	60.7	60.7	22.7	4.0	9.8	2.8	0.0	59.9	61.5
Singapore	663	80.1	80.1	11.1	4.4	4.3	0.1	0.0	83.7	76.9
Slovenia	580	64.3	64.3	18.2	5.6	10.0	1.8	0.0	72.3	54.5
Sweden	753	52.6	52.6	24.1	6.4	13.8	3.0	0.0	57.7	47.9
Syrian Arab Republic	668	25.5	25.5	32.6	26.4	13.5	2.0	0.0	26.6	24.2
Thailand	769	35.6	35.6	32.2	21.1	9.5	1.4	0.1	38.6	32.7
Tunisia	579	38.8	38.8	33.0	8.8	15.9	3.4	0.2	38.9	38.6
Turkey	634	37.9	37.9	38.1	10.4	12.3	1.2	0.0	40.6	35.8
Ukraine	637	60.6	60.6	23.9	7.9	7.4	0.2	0.0	65.1	56.2
United States	1061	67.1	67.1	12.7	9.5	9.7	0.6	0.5	68.8	65.1
International Avg.	644	47.9	47.9	26.7	12.1	10.7	2.3	0.3	50.6	45.3
Basque Country, Spain	326	37.1	37.1	45.1	5.3	10.7	1.8	0.0	41.7	32.8
British Columbia, Canada	604	65.0	65.0	14.7	6.9	10.2	3.2	0.0	69.3	60.9
Dubai, UAE	429	51.6	51.6	26.3	9.5	10.2	2.2	0.2	58.4	45.1
Massachusetts, US	261	73.0	73.0	7.5	8.4	10.6	0.0	0.5	77.6	69.7
Minnesota, US	257	64.5	64.5	13.5	9.0	13.0	0.0	0.0	62.9	66.0
Ontario, Canada	499	62.3	62.3	13.1	8.9	13.1	2.5	0.0	68.5	57.3
Quebec, Canada	553	66.0	66.0	12.2	9.4	10.3	2.2	0.0	68.4	63.8

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Number / Applying (M042304A - M04_05A)

Label: Complete the table for swimming

Type: CR Key: -

COUNTRY	N	10	70	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	687	26.5	1.2	57.2	13.9	1.2	26.5	23.6	29.1
Armenia	675	52.0	2.3	11.6	34.2	0.0	52.0	51.3	52.6
Australia	573	86.1	2.7	7.1	3.9	0.1	86.1	84.7	87.3
Bahrain	603	41.9	3.3	45.8	8.4	0.6	41.9	49.8	34.4
Bosnia and Herzegovina	600	68.1	2.0	13.9	16.1	0.0	68.1	69.9	66.4
Botswana	598	21.0	1.4	60.5	16.8	0.2	21.0	21.0	20.9
Bulgaria	569	39.4	3.6	36.3	20.2	0.4	39.4	43.0	36.3
Chinese Taipei	581	86.6	4.8	5.7	3.0	0.0	86.6	89.8	83.7
Colombia	711	58.8	4.1	26.5	8.4	2.1	58.8	55.1	62.5
Cyprus	635	76.1	2.1	9.4	12.3	0.0	76.1	82.0	70.4
Czech Republic	694	86.0	3.7	7.0	3.2	0.1	86.0	88.4	83.6
Egypt	944	29.2	3.1	60.6	7.0	0.2	29.2	29.3	29.1
El Salvador	582	32.5	2.7	48.2	14.7	2.0	32.5	31.4	33.6
England	558	84.6	2.5	9.0	4.0	0.0	84.6	85.7	83.3
Georgia	604	45.3	5.4	16.6	31.7	0.9	45.3	44.6	46.2
Ghana	757	9.7	0.2	65.6	24.3	0.2	9.7	6.9	12.0
Hong Kong SAR	485	85.3	1.4	9.7	3.1	0.5	85.3	87.1	83.5
Hungary	584	86.7	3.2	7.7	2.5	0.0	86.7	86.3	87.1
Indonesia	593	27.9	2.9	53.7	15.3	0.2	27.9	29.3	26.3
Iran, Islamic Rep. of	570	38.1	3.5	47.8	10.6	0.0	38.1	38.0	38.1
Israel	489	68.7	2.7	16.3	11.6	0.8	68.7	71.8	65.4
Italy	621	80.2	4.2	11.1	4.4	0.1	80.2	80.8	79.7
Japan	612	81.2	11.7	4.5	2.5	0.1	81.2	80.8	81.6
Jordan	753	35.3	3.9	54.7	6.1	0.0	35.3	36.3	34.5
Korea, Rep. of	601	91.1	3.8	4.1	1.0	0.0	91.1	91.5	90.7
Kuwait	584	30.3	3.2	52.7	13.4	0.4	30.3	34.2	25.8
Lebanon	546	49.6	1.0	36.0	13.4	0.0	49.6	48.2	51.3
Lithuania	577	82.0	2.5	9.8	5.7	0.0	82.0	87.1	77.5
Malaysia	627	66.9	3.9	26.4	2.8	0.0	66.9	64.7	69.6
Malta	660	76.1	3.5	14.8	5.4	0.2	76.1	76.5	75.6
Morocco	454	37.3	1.4	49.6	11.5	0.2	37.3	36.7	38.2
Norway	659	79.4	6.0	8.4	5.6	0.6	79.4	80.7	78.3
Oman	681	17.1	1.0	75.5	5.5	0.8	17.1	20.0	13.9
Palestinian Nat'l Auth.	617	20.5	2.6	68.6	8.3	0.0	20.5	20.9	20.1
Qatar	1018	12.4	1.6	65.6	20.3	0.1	12.4	15.3	9.5
Romania	601	65.8	2.7	14.6	16.8	0.1	65.8	68.4	63.4
Russian Federation	639	78.3	5.0	8.9	6.9	0.9	78.3	78.3	78.3
Saudi Arabia	603	18.8	2.9	68.7	9.5	0.2	18.8	24.8	13.1
Scotland	586	81.7	4.2	9.5	4.5	0.1	81.7	81.6	81.7
Serbia	585	77.4	2.9	7.5	12.2	0.0	77.4	77.7	77.1
Singapore	663	91.0	0.6	6.1	2.3	0.0	91.0	92.2	89.9
Slovenia	580	87.7	3.4	8.1	0.9	0.0	87.7	90.8	83.8
Sweden	753	83.2	4.0	5.4	7.4	0.0	83.2	86.9	79.7
Syrian Arab Republic	668	29.8	3.0	56.8	10.4	0.0	29.8	27.8	32.1
Thailand	769	61.6	4.6	23.2	10.5	0.1	61.6	64.6	58.6
Tunisia	579	42.9	3.6	48.2	5.2	0.2	42.9	40.0	46.3
Turkey	634	52.5	3.7	29.8	14.1	0.0	52.5	56.6	49.2
Ukraine	637	67.4	5.9	18.9	7.8	0.0	67.4	70.1	64.8
United States	1061	82.8	1.9	9.9	4.9	0.5	82.8	84.0	81.5
International Avg.	642	57.8	3.2	28.9	9.9	0.3	57.8	58.9	56.7
Basque Country, Spain	326	86.9	1.2	7.4	4.5	0.0	86.9	89.1	84.7
British Columbia, Canada	604	89.6	1.1	5.1	4.2	0.0	89.6	93.8	85.5
Dubai, UAE	430	62.3	7.1	23.1	7.4	0.2	62.3	67.6	57.2
Massachusetts, US	261	91.2	1.8	3.2	3.2	0.5	91.2	94.9	88.6
Minnesota, US	257	88.5	3.0	7.0	1.5	0.0	88.5	89.0	88.0
Ontario, Canada	499	89.9	2.3	4.4	2.8	0.6	89.9	90.9	89.1
Quebec, Canada	553	91.6	1.6	4.5	2.3	0.0	91.6	90.1	93.0

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Number / Applying (M042304B - M04_05B)
 Label: Complete the table for cycling
 Type: CR Key: -

COUNTRY	N	20	10	11	79	OMIT TED	NOT REACH ED	V1	V2	1.GIRL %Right	2.BOY %Right
Algeria											
Armenia	674	12.4	2.7	0.5	40.9	43.1	0.4	15.6	12.4	13.7	11.3
Australia	573	17.7	28.3	8.3	35.4	10.1	0.1	54.3	17.7	14.1	20.7
Bahrain	603	2.8	23.0	2.5	57.9	13.3	0.6	28.2	2.8	2.8	2.8
Bosnia and Herzegovina	600	5.9	25.9	1.5	31.1	35.6	0.0	33.3	5.9	3.8	7.7
Botswana	598	0.8	7.1	1.4	75.2	15.2	0.4	9.3	0.8	1.0	0.4
Bulgaria	569	8.5	14.4	2.8	43.2	30.7	0.4	25.7	8.5	6.3	10.4
Chinese Taipei	581	41.1	21.6	10.2	21.2	5.9	0.0	72.9	41.1	39.1	43.0
Colombia	711	9.3	26.8	3.6	43.8	14.0	2.5	39.7	9.3	5.8	12.7
Cyprus	635	14.1	37.8	1.3	21.9	25.0	0.0	53.1	14.1	16.0	12.2
Czech Republic	694	22.5	38.8	2.3	23.8	12.4	0.1	63.6	22.5	17.8	27.2
Egypt	944	3.3	14.4	1.4	72.7	8.1	0.2	19.1	3.3	2.7	3.8
El Salvador	582	1.3	15.4	1.0	62.2	17.4	2.6	17.8	1.3	0.9	1.8
England	558	22.1	31.1	9.8	26.7	10.4	0.0	62.9	22.1	18.6	25.9
Georgia	604	7.3	15.8	1.3	31.6	42.4	1.6	24.3	7.3	2.5	12.3
Ghana	757	0.7	4.6	0.4	70.0	24.0	0.3	5.8	0.7	0.5	0.9
Hong Kong SAR	485	29.7	28.1	9.7	26.2	5.8	0.5	67.4	29.7	27.1	32.4
Hungary	584	24.5	45.5	2.0	17.2	10.8	0.0	72.0	24.5	20.4	28.7
Indonesia	593	3.9	11.6	1.1	63.9	19.3	0.2	16.6	3.9	3.6	4.2
Iran, Islamic Rep. of	570	3.7	23.4	1.7	54.3	16.5	0.3	28.9	3.7	2.6	4.6
Israel	489	12.1	29.2	3.7	34.5	19.5	1.0	45.0	12.1	9.8	14.6
Italy	621	11.5	38.7	1.2	23.9	24.5	0.1	51.5	11.5	5.6	16.9
Japan	612	25.7	33.6	7.8	22.3	10.4	0.3	67.1	25.7	23.8	27.6
Jordan	753	4.9	16.1	1.8	69.8	7.3	0.2	22.8	4.9	5.0	4.8
Korea, Rep. of	601	36.7	28.1	5.5	24.5	5.1	0.0	70.3	36.7	30.3	42.8
Kuwait	584	3.5	9.6	0.9	69.7	15.7	0.6	14.0	3.5	1.8	5.6
Lebanon	546	5.7	31.3	0.7	41.1	21.1	0.1	37.7	5.7	5.3	6.2
Lithuania	577	19.9	29.8	4.3	31.4	14.6	0.0	54.0	19.9	16.0	23.4
Malaysia	627	15.5	28.4	5.2	43.3	7.6	0.0	49.1	15.5	11.7	19.8
Malta	660	25.3	29.3	4.8	29.9	10.6	0.2	59.3	25.3	25.0	25.6
Morocco	454	3.9	32.3	1.9	43.2	18.4	0.4	38.0	3.9	3.2	4.7
Norway	659	14.1	36.8	2.8	27.8	17.7	0.8	53.8	14.1	10.4	17.6
Oman	681	0.3	13.5	0.7	77.9	6.6	1.0	14.5	0.3	0.1	0.6
Palestinian Nat'l Auth.	617	2.7	12.3	1.3	74.0	9.6	0.0	16.3	2.7	2.4	3.1
Qatar	1018	0.8	7.7	0.7	71.8	18.9	0.1	9.1	0.8	0.6	1.0
Romania	601	13.9	30.7	1.4	30.6	23.3	0.2	46.0	13.9	13.1	14.6
Russian Federation	639	20.9	37.8	1.0	24.0	15.5	0.9	59.7	20.9	16.7	25.8
Saudi Arabia	603	0.6	7.4	0.7	78.8	11.9	0.7	8.6	0.6	0.8	0.3
Scotland	586	17.5	32.7	6.9	28.6	14.2	0.1	57.0	17.5	12.1	23.2
Serbia	585	15.2	34.9	1.3	18.7	29.4	0.4	51.4	15.2	12.6	17.7
Singapore	663	51.4	18.8	8.7	17.9	3.2	0.0	78.9	51.4	52.7	50.3
Slovenia	580	18.3	42.3	1.2	25.4	12.8	0.0	61.8	18.3	16.8	20.1
Sweden	753	24.1	29.8	3.7	22.5	19.6	0.3	57.6	24.1	23.7	24.4
Syrian Arab Republic	668	4.1	23.9	1.8	57.9	12.2	0.0	29.9	4.1	2.3	6.2
Thailand	769	15.7	24.9	6.4	40.5	12.5	0.1	46.9	15.7	16.4	15.0
Tunisia	579	6.7	21.4	2.2	57.5	11.9	0.3	30.3	6.7	4.2	9.7
Turkey	634	4.0	27.0	2.1	49.4	17.5	0.0	33.1	4.0	3.0	4.9
Ukraine	637	8.2	13.8	5.4	48.0	24.6	0.0	27.4	8.2	4.0	12.2
United States	1061	21.5	35.5	6.4	30.0	6.1	0.5	63.4	21.5	20.4	22.8
International Avg.	641	13.3	24.5	3.2	42.4	16.3	0.4	40.9	13.3	11.4	15.1
Basque Country, Spain	326	17.0	45.0	0.6	24.4	13.1	0.0	62.5	17.0	10.5	23.2
British Columbia, Canada	604	19.4	37.7	5.8	28.0	8.6	0.4	63.0	19.4	15.1	23.6
Dubai, UAE	430	11.7	25.3	3.5	45.8	13.4	0.2	40.5	11.7	10.4	13.0
Massachusetts, US	261	32.0	31.2	9.3	22.9	3.7	1.0	72.4	32.0	27.1	35.5
Minnesota, US	257	20.2	38.6	7.6	30.5	3.0	0.0	66.5	20.2	19.8	20.6
Ontario, Canada	499	24.0	30.0	7.2	29.9	7.8	1.2	61.2	24.0	16.4	30.2
Quebec, Canada	553	30.4	39.5	1.9	19.6	8.1	0.5	71.8	30.4	23.0	37.5

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Number / Applying (M042304C - M04_05C)

Label: Complete the table for running

Type: CR Key: -

COUNTRY	N	10	79	OMIT TED	NOT	V1	1.GIRL %Right	2.BOY %Right
					REACH ED			
Algeria	688	3.0	73.3	22.0	1.7	3.0	1.3	4.5
Armenia	674	17.4	34.7	47.5	0.4	17.4	18.2	16.8
Australia	573	45.2	42.0	12.7	0.1	45.2	40.7	48.9
Bahrain	603	6.2	75.6	17.3	0.9	6.2	5.3	7.1
Bosnia and Herzegovina	600	11.0	46.8	42.3	0.0	11.0	7.9	13.6
Botswana	597	3.6	76.6	19.1	0.6	3.6	2.4	5.1
Bulgaria	569	17.0	46.2	36.4	0.4	17.0	13.9	19.7
Chinese Taipei	581	59.0	33.2	7.8	0.0	59.0	54.8	62.7
Colombia	711	17.5	59.4	19.5	3.6	17.5	8.8	26.1
Cyprus	635	24.5	44.2	31.3	0.0	24.5	26.0	23.0
Czech Republic	694	39.2	40.6	20.1	0.1	39.2	31.4	46.9
Egypt	944	6.2	83.7	10.0	0.2	6.2	6.0	6.3
El Salvador	582	2.8	68.8	25.1	3.2	2.8	2.6	3.1
England	558	48.1	37.5	14.5	0.0	48.1	42.5	54.2
Georgia	604	8.0	40.1	50.2	1.6	8.0	5.7	10.4
Ghana	757	0.9	65.2	33.6	0.3	0.9	0.2	1.4
Hong Kong SAR	485	51.3	40.5	7.8	0.5	51.3	50.4	52.2
Hungary	584	36.9	45.9	17.1	0.0	36.9	29.7	44.4
Indonesia	592	6.8	69.5	23.4	0.3	6.8	6.5	7.1
Iran, Islamic Rep. of	570	7.7	71.9	20.1	0.3	7.7	5.9	9.1
Israel	489	23.9	49.7	25.4	1.0	23.9	19.4	28.8
Italy	621	22.7	45.4	30.8	1.1	22.7	15.2	29.5
Japan	612	43.5	44.9	11.3	0.3	43.5	40.3	46.6
Jordan	753	10.4	80.8	8.6	0.2	10.4	8.5	12.1
Korea, Rep. of	601	42.0	48.7	9.3	0.0	42.0	31.5	51.9
Kuwait	584	3.6	75.1	20.7	0.6	3.6	2.7	4.6
Lebanon	546	13.1	59.5	27.3	0.1	13.1	9.0	18.0
Lithuania	577	27.0	53.2	19.8	0.0	27.0	22.8	30.7
Malaysia	627	25.5	61.7	12.3	0.5	25.5	25.3	25.7
Malta	660	39.8	47.1	12.9	0.2	39.8	36.5	43.2
Morocco	452	9.0	68.2	22.3	0.5	9.0	8.1	9.9
Norway	659	28.2	45.5	25.6	0.8	28.2	25.1	31.1
Oman	681	1.7	89.8	7.6	1.0	1.7	0.8	2.7
Palestinian Nat'l Auth.	617	5.6	82.7	11.7	0.0	5.6	4.2	7.0
Qatar	1018	1.5	77.2	21.2	0.1	1.5	0.8	2.3
Romania	601	20.1	50.1	29.2	0.6	20.1	19.6	20.6
Russian Federation	639	31.0	47.9	20.3	0.9	31.0	25.0	38.0
Saudi Arabia	603	1.1	83.8	14.2	0.9	1.1	1.2	1.1
Scotland	586	42.3	38.8	18.8	0.1	42.3	36.2	48.9
Serbia	585	25.7	39.5	34.3	0.4	25.7	22.9	28.4
Singapore	663	60.3	34.4	5.3	0.0	60.3	58.7	61.8
Slovenia	580	29.1	52.4	18.5	0.0	29.1	26.3	32.5
Sweden	753	38.5	33.4	27.8	0.3	38.5	37.8	39.2
Syrian Arab Republic	667	7.6	77.0	15.3	0.0	7.6	5.9	9.6
Thailand	769	24.6	58.2	17.0	0.2	24.6	27.2	22.0
Tunisia	579	11.3	71.0	17.2	0.5	11.3	6.7	16.9
Turkey	634	8.4	68.1	23.4	0.0	8.4	6.0	10.4
Ukraine	637	7.2	58.3	34.5	0.0	7.2	6.0	8.5
United States	1061	41.3	50.2	8.0	0.5	41.3	36.8	46.2
International Avg.	642	21.6	56.9	21.0	0.5	21.6	18.9	24.3
Basque Country, Spain	326	28.8	49.5	21.5	0.2	28.8	18.2	38.9
British Columbia, Canada	604	48.2	38.6	12.8	0.4	48.2	38.9	57.1
Dubai, UAE	430	19.6	63.6	16.6	0.2	19.6	16.9	22.2
Massachusetts, US	261	49.2	43.9	6.0	1.0	49.2	45.5	51.9
Minnesota, US	257	44.9	50.3	4.7	0.0	44.9	41.0	48.7
Ontario, Canada	499	48.3	40.0	10.3	1.4	48.3	41.7	53.6
Quebec, Canada	553	54.5	34.9	10.1	0.5	54.5	45.6	63.1

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Number / Reasoning (M042304D - M04_05D)
 Label: Who won the triathlon
 Type: CR Key: -

COUNTRY	N	20	21	10	11	79	OMIT TED	NOT REACH ED	V1	V2	1.GIRL %Right	2.BOY %Right
Algeria	692	0.9	0.0	0.7	0.7	68.9	26.4	2.4	2.3	0.9	0.3	1.4
Armenia	674	12.0	1.4	2.2	0.6	37.7	45.7	0.4	16.2	13.3	14.8	12.1
Australia	573	13.3	44.6	3.0	9.0	18.7	11.3	0.1	69.9	57.9	54.7	60.5
Bahrain	603	1.8	17.4	0.3	28.7	31.4	19.3	1.1	48.2	19.2	19.7	18.7
Bosnia and Herzegovina	600	4.7	14.4	1.0	0.7	34.9	44.3	0.0	20.8	19.1	16.5	21.4
Botswana	597	0.6	9.2	5.3	3.6	72.7	7.8	0.8	18.6	9.8	9.4	10.2
Bulgaria	569	5.3	5.8	0.8	1.5	48.2	38.0	0.4	13.3	11.1	9.7	12.3
Chinese Taipei	581	29.7	41.7	2.7	8.9	11.5	5.5	0.0	83.0	71.4	73.2	69.7
Colombia	711	3.9	23.9	4.2	10.8	33.5	19.3	4.5	42.8	27.8	20.7	34.7
Cyprus	635	9.3	18.0	5.2	3.9	31.0	32.6	0.0	36.4	27.3	25.5	29.0
Czech Republic	694	15.9	34.7	3.5	5.2	16.7	23.9	0.1	59.3	50.7	49.5	51.9
Egypt	944	1.2	16.7	0.8	0.6	70.2	10.3	0.2	19.3	17.9	18.0	17.8
El Salvador	582	1.0	14.2	0.1	0.0	58.0	23.2	3.5	15.4	15.2	14.1	16.4
England	558	16.1	36.7	2.8	7.1	24.7	12.3	0.2	62.8	52.9	50.7	55.3
Georgia	604	2.3	6.4	1.9	3.9	32.8	51.0	1.6	14.5	8.7	8.3	9.1
Ghana	757	0.3	3.6	0.3	0.8	66.4	28.1	0.6	5.0	3.9	2.5	4.9
Hong Kong SAR	485	22.3	48.2	2.0	3.6	16.1	7.3	0.5	76.1	70.5	73.6	67.4
Hungary	584	18.4	31.9	6.3	5.3	20.6	17.4	0.0	61.9	50.3	49.9	50.7
Indonesia	592	2.9	9.5	5.3	2.6	61.7	17.7	0.3	20.2	12.4	11.6	13.2
Iran, Islamic Rep. of	570	1.3	22.2	3.8	3.0	49.7	19.7	0.3	30.2	23.5	23.0	23.9
Israel	489	9.9	14.2	1.5	6.8	38.5	27.7	1.4	32.4	24.1	23.4	24.9
Italy	621	7.0	33.3	1.9	1.7	22.2	32.7	1.2	44.0	40.3	34.3	45.7
Japan	612	17.8	43.7	1.3	1.9	22.8	11.9	0.6	64.7	61.5	63.0	60.0
Jordan	753	2.9	26.8	8.4	5.8	46.8	9.0	0.2	43.9	29.7	27.1	32.1
Korea, Rep. of	601	28.1	36.2	3.6	8.2	15.3	8.6	0.0	76.1	64.3	65.0	63.6
Kuwait	584	1.8	16.4	0.7	1.7	56.8	22.0	0.6	20.6	18.2	19.8	16.3
Lebanon	546	4.1	24.6	4.3	1.9	33.3	31.7	0.1	34.9	28.7	30.8	26.1
Lithuania	577	13.6	36.4	5.6	4.6	16.8	23.1	0.0	60.2	50.0	49.1	50.7
Malaysia	627	10.5	22.7	3.6	5.0	44.4	13.1	0.6	41.9	33.2	34.4	31.9
Malta	660	17.9	35.2	2.2	2.7	27.9	14.0	0.2	58.0	53.1	53.1	53.1
Morocco	452	3.2	3.5	0.8	1.9	62.5	27.6	0.5	9.3	6.7	7.6	5.7
Norway	659	10.1	39.2	3.1	4.4	23.7	18.8	0.8	56.8	49.3	50.1	48.5
Oman	681	0.1	22.1	19.0	2.6	44.3	10.7	1.2	43.8	22.2	26.4	17.6
Palestinian Nat'l Auth.	617	2.4	19.0	3.6	0.9	65.5	8.6	0.0	25.9	21.4	20.7	22.1
Qatar	1018	0.5	9.0	6.7	4.1	60.4	19.1	0.2	20.3	9.5	12.6	6.4
Romania	601	7.3	15.5	8.5	4.4	36.3	27.3	0.6	35.8	22.9	24.2	21.7
Russian Federation	639	13.4	39.6	1.2	2.1	20.8	22.1	0.9	56.3	53.0	48.9	57.7
Saudi Arabia	603	0.1	13.6	0.3	19.9	50.3	14.9	1.0	33.9	13.7	16.1	11.4
Scotland	586	13.2	32.4	1.9	8.8	24.3	19.3	0.1	56.3	45.6	41.5	50.0
Serbia	585	10.6	26.0	2.2	0.2	24.1	36.2	0.7	38.9	36.6	34.5	38.5
Singapore	663	40.2	34.5	3.2	4.8	13.0	4.3	0.0	82.7	74.7	77.8	71.9
Slovenia	580	11.5	31.2	0.7	4.0	32.6	20.0	0.0	47.4	42.7	41.2	44.5
Sweden	753	16.3	32.3	1.9	5.2	21.5	22.5	0.5	55.6	48.6	51.9	45.4
Syrian Arab Republic	668	1.4	13.3	3.7	2.3	63.0	16.2	0.2	20.6	14.7	13.2	16.4
Thailand	769	8.7	30.2	8.2	8.1	31.1	13.5	0.2	55.2	38.9	41.2	36.6
Tunisia	579	3.5	23.5	13.2	1.9	42.2	15.1	0.6	42.2	27.0	23.8	31.0
Turkey	634	2.9	18.9	1.6	1.0	57.2	18.5	0.0	24.3	21.8	23.1	20.7
Ukraine	637	2.2	22.4	1.5	1.2	39.4	33.3	0.0	27.2	24.6	27.4	22.0
United States	1061	15.5	43.0	3.4	9.9	20.8	6.7	0.6	71.9	58.6	60.5	56.4
International Avg.	642	9.0	23.7	3.5	4.7	38.0	20.6	0.6	40.8	32.6	32.4	32.8
Basque Country, Spain	326	13.3	34.0	2.4	7.0	18.4	24.8	0.2	56.7	47.3	46.5	48.1
British Columbia, Canada	604	15.2	46.5	0.7	6.3	18.7	12.1	0.4	68.8	61.8	61.6	61.9
Dubai, UAE	430	5.1	20.9	3.2	5.8	45.5	19.0	0.5	35.0	26.0	21.8	30.1
Massachusetts, US	261	21.8	46.7	3.6	11.2	10.3	5.4	1.0	83.3	68.5	74.6	64.1
Minnesota, US	257	15.3	53.7	4.2	8.3	13.8	4.6	0.2	81.5	69.0	68.6	69.4
Ontario, Canada	499	19.1	46.8	1.5	5.0	14.9	11.3	1.4	72.5	65.9	59.0	71.5
Quebec, Canada	553	23.9	40.5	0.9	5.0	17.1	11.9	0.7	70.3	64.4	61.5	67.2

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Algebra / Applying (M042267 - M04_06)
 Label: How many grams can be shipped
 Type: MC Key: D

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	776	15.7	24.1	19.9	26.0	15.7	12.0	2.4	14.4	16.7
Armenia	673	62.5	12.4	12.4	9.8	62.5	2.6	0.4	65.5	60.0
Australia	572	26.1	22.7	22.2	22.0	26.1	6.8	0.1	23.7	28.2
Bahrain	603	25.0	23.5	20.2	24.1	25.0	6.1	1.2	34.7	15.7
Bosnia and Herzegovina	600	36.7	15.2	14.8	15.8	36.7	17.5	0.0	39.4	34.4
Botswana	599	23.5	17.0	19.5	31.2	23.5	7.5	1.3	23.7	23.2
Bulgaria	569	47.3	15.1	12.7	17.2	47.3	7.2	0.4	58.4	37.7
Chinese Taipei	581	74.5	4.8	9.8	10.3	74.5	0.6	0.0	79.7	69.8
Colombia	711	18.8	17.2	22.6	29.6	18.8	6.9	4.9	17.6	19.9
Cyprus	635	34.8	15.3	18.5	22.9	34.8	8.5	0.0	40.6	29.2
Czech Republic	694	38.8	10.1	13.7	22.8	38.8	14.5	0.1	45.5	32.2
Egypt	940	23.8	24.1	22.2	26.9	23.8	2.8	0.2	27.7	19.8
El Salvador	582	17.4	19.7	21.5	24.4	17.4	13.5	3.5	17.5	17.2
England	558	38.7	17.0	15.3	24.7	38.7	4.1	0.2	39.9	37.2
Georgia	604	24.6	25.1	16.1	18.7	24.6	13.8	1.6	28.0	21.0
Ghana	757	26.4	17.6	13.1	35.4	26.4	6.6	0.9	26.8	26.1
Hong Kong SAR	485	67.2	10.1	9.5	10.6	67.2	2.0	0.5	74.1	60.2
Hungary	584	39.3	17.5	12.7	21.8	39.3	8.7	0.0	45.7	32.7
Indonesia	594	25.9	17.2	18.0	29.7	25.9	8.8	0.3	29.5	21.8
Iran, Islamic Rep. of	569	20.7	17.0	22.1	30.0	20.7	9.9	0.3	25.7	16.5
Israel	489	31.6	16.6	16.8	19.8	31.6	13.8	1.4	38.1	24.6
Italy	621	24.1	17.4	15.6	29.5	24.1	12.1	1.3	19.2	28.6
Japan	612	65.3	10.7	9.6	12.5	65.3	1.3	0.6	69.4	61.4
Jordan	753	35.4	24.6	19.3	15.6	35.4	4.9	0.2	36.7	34.3
Korea, Rep. of	601	71.1	5.8	10.3	12.2	71.1	0.6	0.0	73.7	68.6
Kuwait	584	14.7	26.4	24.3	24.9	14.7	8.8	0.9	17.9	11.0
Lebanon	544	34.5	13.0	18.7	21.2	34.5	12.5	0.1	35.1	33.8
Lithuania	576	50.4	12.8	13.1	18.2	50.4	5.5	0.0	55.0	46.4
Malaysia	627	24.0	13.7	20.9	32.6	24.0	8.1	0.7	26.1	21.4
Malta	657	40.9	16.8	17.3	20.1	40.9	4.7	0.2	42.1	39.7
Morocco	454	15.1	19.7	23.7	26.9	15.1	14.1	0.5	16.8	13.4
Norway	659	10.0	24.0	23.8	30.9	10.0	10.6	0.8	10.1	9.9
Oman	681	22.9	22.0	22.4	23.5	22.9	8.0	1.2	28.4	16.8
Palestinian Nat'l Auth.	617	16.3	19.5	30.8	29.3	16.3	4.2	0.0	17.5	15.0
Qatar	1018	11.9	21.6	31.7	31.4	11.9	3.0	0.3	12.0	11.8
Romania	600	44.1	12.6	16.4	18.8	44.1	7.5	0.6	51.2	37.9
Russian Federation	639	52.9	13.9	11.1	12.3	52.9	8.8	1.0	57.0	48.1
Saudi Arabia	603	13.6	30.0	23.1	25.4	13.6	6.7	1.1	15.3	12.1
Scotland	586	26.3	17.5	21.5	26.2	26.3	8.1	0.3	30.0	22.3
Serbia	583	57.5	8.3	12.1	11.0	57.5	10.3	0.9	65.2	50.2
Singapore	663	56.5	10.0	11.5	20.0	56.5	2.0	0.0	62.1	51.5
Slovenia	580	36.5	11.9	16.6	28.3	36.5	6.6	0.2	42.6	29.0
Sweden	753	23.2	20.6	22.0	26.2	23.2	7.4	0.6	25.5	21.1
Syrian Arab Republic	668	19.4	21.3	24.3	30.4	19.4	4.2	0.4	18.5	20.5
Thailand	769	25.5	14.0	25.0	29.8	25.5	5.2	0.3	29.1	22.1
Tunisia	579	18.7	15.8	28.4	27.6	18.7	8.8	0.6	18.3	19.2
Turkey	634	35.0	12.3	16.1	29.5	35.0	7.1	0.0	39.8	31.2
Ukraine	637	39.5	15.0	17.4	20.2	39.5	7.9	0.0	47.1	32.2
United States	1061	56.7	11.4	13.1	16.1	56.7	2.0	0.7	60.7	52.3
International Avg.	644	33.9	16.8	18.2	22.9	33.9	7.5	0.7	37.1	30.7
Basque Country, Spain	326	36.4	15.0	12.8	23.6	36.4	12.0	0.2	36.6	36.1
British Columbia, Canada	604	41.9	16.9	13.5	21.1	41.9	6.2	0.4	42.4	41.4
Dubai, UAE	428	39.4	18.5	12.5	22.2	39.4	7.1	0.2	44.5	34.5
Massachusetts, US	261	68.5	11.1	5.6	11.4	68.5	2.4	1.0	75.6	63.5
Minnesota, US	257	61.6	9.5	10.3	15.2	61.6	3.2	0.2	69.5	54.1
Ontario, Canada	499	42.4	16.3	15.5	19.2	42.4	5.2	1.4	45.6	39.8
Quebec, Canada	553	44.2	16.8	13.0	16.9	44.2	8.4	0.7	45.5	42.9

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Algebra / Knowing (M042239 - M04_07)
 Label: Simplify the expression
 Type: MC Key: A

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	776	7.0	7.0	9.0	23.7	45.4	11.8	3.1	7.0	6.9
Armenia	675	56.8	56.8	14.1	9.6	17.0	2.1	0.4	58.4	55.4
Australia	573	16.4	16.4	27.8	20.4	30.3	4.9	0.2	16.5	16.3
Bahrain	603	12.8	12.8	17.3	24.3	41.1	3.3	1.2	15.0	10.7
Bosnia and Herzegovina	600	28.2	28.2	21.7	17.9	23.5	8.6	0.2	33.8	23.3
Botswana	599	7.8	7.8	12.1	23.0	51.4	4.3	1.4	6.9	8.7
Bulgaria	569	39.9	39.9	11.9	19.8	24.3	3.6	0.4	44.3	36.1
Chinese Taipei	581	71.7	71.7	14.2	6.6	7.3	0.2	0.0	75.9	67.9
Colombia	711	6.7	6.7	9.3	20.1	54.5	4.3	5.1	6.3	7.2
Cyprus	635	14.0	14.0	23.3	24.0	35.3	2.8	0.5	14.1	13.9
Czech Republic	690	24.7	24.7	26.2	13.2	29.7	6.1	0.1	26.9	22.6
Egypt	939	16.0	16.0	14.7	24.8	43.3	1.0	0.2	16.6	15.5
El Salvador	582	8.9	8.9	10.9	27.8	43.4	4.7	4.3	10.9	6.8
England	558	15.9	15.9	31.0	14.5	34.7	3.5	0.4	15.0	17.0
Georgia	604	28.9	28.9	13.1	17.2	31.7	7.3	1.9	30.1	27.7
Ghana	757	10.7	10.7	17.6	18.5	48.6	3.5	1.1	13.5	8.5
Hong Kong SAR	485	54.7	54.7	19.7	10.3	14.4	0.3	0.5	59.5	49.9
Hungary	584	26.2	26.2	31.2	15.2	23.6	3.7	0.0	27.2	25.1
Indonesia	594	12.7	12.7	11.9	17.0	53.4	4.6	0.5	11.1	14.7
Iran, Islamic Rep. of	569	10.8	10.8	19.8	20.8	43.2	4.8	0.7	10.0	11.4
Israel	489	44.1	44.1	17.0	16.1	15.9	5.4	1.5	47.0	41.0
Italy	621	26.4	26.4	14.7	22.0	28.5	7.0	1.4	24.0	28.5
Japan	612	72.0	72.0	9.1	9.0	9.2	0.0	0.7	77.0	67.1
Jordan	753	17.8	17.8	18.9	24.9	35.0	3.0	0.2	17.2	18.4
Korea, Rep. of	601	77.0	77.0	6.1	8.9	7.7	0.2	0.0	75.6	78.4
Kuwait	.	.	.	.	.	.	.	.	.	.
Lebanon	545	37.7	37.7	19.9	11.4	27.9	2.8	0.3	37.8	37.6
Lithuania	574	31.3	31.3	19.5	15.3	31.4	2.6	0.0	36.7	26.5
Malaysia	627	20.2	20.2	17.7	23.3	35.1	2.5	1.2	19.3	21.3
Malta	659	26.2	26.2	22.6	19.8	28.1	3.3	0.2	26.3	26.0
Morocco	452	13.1	13.1	12.0	20.4	48.3	5.4	0.8	14.0	12.1
Norway	659	12.0	12.0	20.0	25.2	33.5	8.5	0.8	10.3	13.7
Oman	681	13.5	13.5	9.3	23.8	46.4	5.4	1.6	9.6	17.8
Palestinian Nat'l Auth.	617	8.3	8.3	14.2	26.9	48.2	2.1	0.3	6.6	10.1
Qatar	1018	13.0	13.0	16.1	29.6	39.4	1.5	0.4	11.1	14.9
Romania	601	35.6	35.6	23.8	13.5	23.9	2.7	0.6	41.4	30.3
Russian Federation	639	47.3	47.3	15.1	9.3	22.7	4.2	1.3	51.6	42.4
Saudi Arabia	603	9.2	9.2	13.3	22.5	48.9	4.9	1.2	4.9	13.2
Scotland	586	15.0	15.0	32.2	18.1	29.5	4.7	0.5	15.4	14.5
Serbia	581	43.8	43.8	17.2	11.9	21.4	4.8	0.9	47.6	40.2
Singapore	663	55.0	55.0	18.3	10.8	14.8	1.0	0.1	55.8	54.3
Slovenia	580	20.2	20.2	17.1	17.9	41.6	3.0	0.2	23.5	16.1
Sweden	753	18.9	18.9	27.8	13.5	32.5	6.6	0.7	19.3	18.5
Syrian Arab Republic	668	16.2	16.2	8.0	27.1	45.4	2.8	0.4	15.1	17.4
Thailand	769	15.5	15.5	22.2	21.3	36.9	3.7	0.3	15.0	16.1
Tunisia	579	14.1	14.1	18.7	14.2	47.0	5.2	0.8	14.9	13.1
Turkey	634	19.4	19.4	17.9	20.6	39.0	3.1	0.0	19.2	19.6
Ukraine	637	25.1	25.1	18.6	16.4	37.6	2.4	0.0	28.2	22.1
United States	1061	19.4	19.4	23.9	20.2	34.3	1.2	1.0	20.1	18.7
International Avg.	645	25.8	25.8	17.7	18.4	33.5	3.9	0.8	26.7	24.9
Basque Country, Spain	326	24.3	24.3	20.8	13.0	38.4	3.3	0.2	26.2	22.4
British Columbia, Canada	604	15.0	15.0	25.1	25.7	29.0	4.7	0.4	14.5	15.4
Dubai, UAE	428	28.5	28.5	17.5	16.2	33.8	3.7	0.2	32.8	24.4
Massachusetts, US	261	23.2	23.2	31.8	15.8	26.0	1.0	2.1	24.8	22.1
Minnesota, US	257	18.6	18.6	23.3	18.0	38.6	1.5	0.2	15.0	22.0
Ontario, Canada	499	17.4	17.4	14.4	20.5	39.0	7.0	1.8	16.7	17.9
Quebec, Canada	553	21.5	21.5	27.0	19.9	26.8	4.2	0.7	18.0	24.8

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Algebra / Applying (M042238 - M04_08)
 Label: Point on the number line
 Type: MC Key: C

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	776	14.8	31.3	28.5	14.8	9.2	12.7	3.5	13.4	16.0
Armenia	673	61.2	19.5	9.6	61.2	8.0	1.4	0.4	62.2	60.4
Australia	573	33.3	23.8	26.3	33.3	7.8	8.4	0.4	27.3	38.3
Bahrain	603	20.6	39.9	23.1	20.6	8.8	6.2	1.3	16.8	24.3
Bosnia and Herzegovina	600	28.4	27.7	20.5	28.4	5.1	18.0	0.2	23.6	32.6
Botswana	599	19.5	32.6	34.0	19.5	6.1	5.9	2.0	22.5	15.9
Bulgaria	569	27.3	34.4	23.9	27.3	4.3	9.5	0.5	23.3	30.8
Chinese Taipei	581	63.1	19.4	11.9	63.1	5.3	0.3	0.0	66.0	60.3
Colombia	711	19.7	32.8	27.9	19.7	5.4	7.7	6.5	15.4	23.9
Cyprus	635	33.0	20.7	26.0	33.0	10.9	8.8	0.7	31.9	34.0
Czech Republic	690	24.5	25.7	19.9	24.5	7.7	22.2	0.1	26.7	22.3
Egypt	939	25.3	36.3	28.5	25.3	7.2	2.5	0.2	28.6	21.9
El Salvador	582	14.0	42.7	23.8	14.0	5.2	9.9	4.3	13.7	14.5
England	558	44.1	22.9	23.7	44.1	5.5	3.5	0.4	39.9	48.7
Georgia	604	29.2	33.3	20.6	29.2	6.3	8.4	2.2	28.1	30.3
Ghana	757	15.6	41.8	31.0	15.6	5.3	4.7	1.6	19.2	12.6
Hong Kong SAR	485	49.7	20.8	15.7	49.7	11.9	1.4	0.5	51.4	48.0
Hungary	584	37.5	25.1	21.8	37.5	6.3	9.3	0.0	32.9	42.2
Indonesia	594	18.6	42.3	24.8	18.6	5.5	7.7	1.0	18.8	18.5
Iran, Islamic Rep. of	569	24.2	34.6	28.5	24.2	5.3	6.5	0.8	24.7	23.8
Israel	489	31.7	23.8	17.9	31.7	10.1	15.0	1.5	29.1	34.4
Italy	619	28.2	21.8	27.0	28.2	7.4	14.1	1.4	24.3	31.7
Japan	612	52.5	19.8	20.7	52.5	4.9	1.5	0.7	50.7	54.1
Jordan	753	33.9	27.1	23.5	33.9	10.8	4.4	0.2	35.1	33.0
Korea, Rep. of	601	62.0	14.7	16.7	62.0	5.5	1.2	0.0	61.0	62.9
Kuwait	584	17.7	39.2	23.2	17.7	8.1	10.4	1.3	15.5	20.3
Lebanon	537	19.6	32.8	22.3	19.6	9.8	14.8	0.6	14.9	25.4
Lithuania	577	26.0	31.2	23.7	26.0	6.4	12.7	0.0	27.1	25.1
Malaysia	627	20.9	31.3	29.2	20.9	11.0	6.1	1.5	19.4	22.5
Malta	656	26.4	31.6	27.7	26.4	7.5	6.4	0.3	23.0	29.8
Morocco	454	23.7	22.9	32.8	23.7	5.4	14.3	0.9	17.8	30.0
Norway	659	24.1	22.4	34.4	24.1	5.8	12.6	0.8	24.1	24.2
Oman	681	24.3	36.4	24.4	24.3	8.0	4.6	2.3	28.0	20.2
Palestinian Nat'l Auth.	617	21.3	32.0	29.1	21.3	13.1	3.7	0.7	19.4	23.2
Qatar	1018	20.0	37.0	30.5	20.0	9.7	2.5	0.4	17.4	22.5
Romania	601	27.7	32.4	27.0	27.7	5.8	6.4	0.7	29.2	26.4
Russian Federation	639	46.5	24.2	17.4	46.5	3.8	6.7	1.3	46.1	47.0
Saudi Arabia	603	18.2	36.4	26.9	18.2	10.2	7.0	1.3	19.5	17.1
Scotland	586	28.3	27.0	24.7	28.3	6.6	12.9	0.5	24.6	32.3
Serbia	580	44.5	22.9	16.5	44.5	5.2	10.0	0.9	42.4	46.5
Singapore	663	40.4	27.7	20.3	40.4	9.8	1.6	0.1	41.2	39.7
Slovenia	580	31.1	26.1	25.9	31.1	9.8	7.0	0.2	27.1	35.9
Sweden	753	23.3	19.0	34.7	23.3	6.2	16.0	0.7	21.8	24.8
Syrian Arab Republic	668	26.4	36.6	23.4	26.4	8.7	4.4	0.5	23.8	29.3
Thailand	769	26.1	31.2	24.6	26.1	12.6	5.1	0.3	24.1	28.1
Tunisia	579	19.9	33.5	26.4	19.9	7.3	11.7	1.2	17.3	23.1
Turkey	634	23.8	33.3	27.9	23.8	8.2	6.8	0.0	23.4	24.1
Ukraine	637	37.0	30.2	21.2	37.0	5.5	5.9	0.1	36.1	37.8
United States	1061	43.1	25.2	22.2	43.1	6.4	2.1	1.1	44.0	42.0
International Avg.	643	30.0	29.3	24.3	30.0	7.5	7.8	1.0	28.9	31.3
Basque Country, Spain	326	29.8	25.0	17.5	29.8	12.3	15.1	0.3	29.9	29.7
British Columbia, Canada	604	35.4	26.1	21.3	35.4	9.8	7.0	0.4	30.6	40.0
Dubai, UAE	426	30.0	31.1	21.4	30.0	10.1	7.0	0.4	31.2	28.8
Massachusetts, US	261	55.4	21.9	14.2	55.4	4.3	2.0	2.1	57.2	54.2
Minnesota, US	257	45.4	28.4	19.1	45.4	6.5	0.5	0.2	44.2	46.5
Ontario, Canada	499	33.5	21.5	21.6	33.5	12.5	9.1	1.8	32.8	34.0
Quebec, Canada	553	31.4	26.7	17.1	31.4	8.3	15.7	0.7	28.3	34.4

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Geometry / Reasoning (M042279 - M04_09)
 Label: Which shape the person see
 Type: MC Key: B

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	776	13.9	6.9	13.9	60.9	10.2	4.7	3.5	11.5	15.9
Armenia	672	54.9	12.8	54.9	24.3	6.5	1.1	0.4	52.3	57.2
Australia	572	78.6	8.1	78.6	8.3	4.3	0.2	0.5	76.0	80.8
Bahrain	603	21.0	7.1	21.0	52.5	15.4	2.7	1.3	23.0	19.1
Bosnia and Herzegovina	600	53.8	11.7	53.8	25.1	6.0	3.2	0.2	57.3	50.8
Botswana	599	18.1	9.2	18.1	56.5	11.1	2.7	2.4	13.0	24.0
Bulgaria	569	49.3	6.3	49.3	29.8	11.3	2.8	0.5	51.0	47.8
Chinese Taipei	581	77.1	7.1	77.1	11.6	4.1	0.2	0.0	78.9	75.4
Colombia	711	30.2	8.3	30.2	45.1	8.2	1.5	6.6	25.9	34.6
Cyprus	635	48.0	8.5	48.0	34.3	7.5	1.0	0.7	53.9	42.3
Czech Republic	694	78.7	9.5	78.7	8.9	2.7	0.1	0.1	78.2	79.3
Egypt	940	15.8	8.1	15.8	58.7	16.3	1.0	0.2	15.9	15.6
El Salvador	582	14.5	5.3	14.5	60.8	11.5	2.9	4.9	16.8	12.1
England	558	76.8	6.4	76.8	12.1	4.0	0.4	0.4	80.7	72.5
Georgia	604	33.1	8.5	33.1	46.8	7.3	2.0	2.2	33.1	33.0
Ghana	757	14.8	11.6	14.8	55.8	13.6	2.2	1.9	16.9	13.2
Hong Kong SAR	485	77.8	8.9	77.8	8.7	4.1	0.0	0.5	75.9	79.7
Hungary	584	68.6	9.2	68.6	16.8	5.0	0.4	0.0	68.8	68.4
Indonesia	594	23.5	7.2	23.5	57.6	9.6	1.1	1.0	21.9	25.2
Iran, Islamic Rep. of	569	27.0	5.8	27.0	54.0	10.1	2.1	1.0	28.2	25.9
Israel	489	43.8	10.5	43.8	32.5	8.7	2.2	2.2	38.6	49.3
Italy	620	66.6	11.7	66.6	17.1	2.4	0.6	1.4	61.0	71.7
Japan	611	89.6	2.3	89.6	4.1	2.9	0.2	0.9	90.3	89.0
Jordan	753	26.4	12.5	26.4	48.0	10.7	2.1	0.2	25.6	27.1
Korea, Rep. of	601	86.8	9.7	86.8	2.2	1.1	0.2	0.0	84.7	88.8
Kuwait	584	31.5	7.8	31.5	43.2	14.1	2.0	1.3	32.1	30.9
Lebanon	541	26.9	7.5	26.9	52.2	10.2	2.6	0.6	24.4	30.0
Lithuania	577	63.6	9.1	63.6	22.0	4.4	0.9	0.0	68.7	59.2
Malaysia	627	72.3	9.1	72.3	12.7	4.0	0.4	1.5	67.1	78.2
Malta	660	55.0	10.9	55.0	26.2	6.7	0.8	0.3	49.2	61.1
Morocco	453	19.3	12.8	19.3	58.1	6.5	2.4	1.0	15.9	22.9
Norway	659	71.5	7.7	71.5	14.3	4.6	1.0	0.9	70.6	72.3
Oman	680	22.8	7.4	22.8	51.8	14.6	1.1	2.3	28.5	16.6
Palestinian Nat'l Auth.	617	22.4	10.5	22.4	50.5	13.7	2.1	0.7	21.6	23.2
Qatar	1018	22.1	10.7	22.1	48.7	16.2	1.8	0.4	22.2	22.1
Romania	601	45.1	10.0	45.1	35.3	7.1	1.8	0.7	48.6	42.0
Russian Federation	639	71.6	6.2	71.6	16.9	2.8	1.1	1.3	70.6	72.7
Saudi Arabia	603	20.2	5.5	20.2	60.6	9.4	2.9	1.3	25.1	15.6
Scotland	586	67.5	4.8	67.5	19.6	6.5	1.2	0.5	69.7	65.1
Serbia	582	59.5	10.1	59.5	23.2	4.6	1.6	1.0	62.7	56.5
Singapore	663	84.3	7.7	84.3	5.0	2.4	0.5	0.1	84.5	84.1
Slovenia	580	75.0	10.5	75.0	11.0	3.0	0.3	0.2	76.0	73.9
Sweden	753	75.9	6.2	75.9	12.4	3.9	0.7	0.9	77.9	74.0
Syrian Arab Republic	668	19.7	7.2	19.7	60.7	11.5	0.5	0.5	19.1	20.3
Thailand	769	58.2	9.4	58.2	26.3	5.0	0.8	0.3	55.5	60.9
Tunisia	579	38.7	13.0	38.7	36.4	8.5	2.0	1.3	39.6	37.6
Turkey	634	41.6	12.3	41.6	37.0	8.4	0.6	0.0	40.0	42.9
Ukraine	637	58.5	12.2	58.5	25.2	3.4	0.6	0.1	59.8	57.3
United States	1061	72.1	6.5	72.1	16.4	3.3	0.5	1.2	70.9	73.4
International Avg.	643	48.7	8.7	48.7	32.6	7.5	1.4	1.1	48.6	48.8
Basque Country, Spain	326	76.2	7.3	76.2	11.9	3.2	1.0	0.3	76.8	75.6
British Columbia, Canada	604	75.6	6.6	75.6	11.0	4.4	1.8	0.7	71.5	79.5
Dubai, UAE	428	53.6	6.8	53.6	30.3	7.1	1.9	0.4	53.4	53.7
Massachusetts, US	261	77.0	7.0	77.0	8.4	4.8	0.4	2.4	70.3	81.8
Minnesota, US	257	78.0	6.9	78.0	11.5	3.4	0.0	0.2	76.3	79.7
Ontario, Canada	499	68.2	7.7	68.2	16.9	3.9	1.5	1.8	70.7	66.2
Quebec, Canada	553	70.2	9.4	70.2	13.0	6.1	0.7	0.7	65.2	75.1

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Geometry / Reasoning (M042036 - M04_10)
 Label: What is the value of x
 Type: MC Key: D

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	776	22.8	11.9	32.8	24.1	22.8	4.5	3.9	21.4	24.0
Armenia	674	50.4	7.8	22.4	18.1	50.4	0.6	0.6	52.3	48.8
Australia	573	31.7	14.2	27.4	24.3	31.7	2.0	0.5	27.6	35.0
Bahrain	603	17.0	12.2	51.2	16.8	17.0	1.1	1.7	18.6	15.4
Bosnia and Herzegovina	600	22.5	14.2	25.5	27.4	22.5	10.0	0.4	23.1	21.9
Botswana	599	15.3	20.9	29.1	27.9	15.3	3.5	3.3	15.7	14.8
Bulgaria	569	36.2	9.5	31.4	18.4	36.2	3.9	0.5	38.9	33.8
Chinese Taipei	581	73.3	3.5	13.8	9.2	73.3	0.2	0.0	75.7	71.1
Colombia	711	16.5	16.2	26.7	31.4	16.5	2.1	6.9	12.4	20.6
Cyprus	635	27.8	13.2	33.9	21.8	27.8	2.5	0.8	28.5	27.2
Czech Republic	694	27.2	12.0	33.0	21.4	27.2	6.3	0.1	26.1	28.4
Egypt	941	28.1	12.3	39.4	19.1	28.1	0.9	0.2	32.4	23.8
El Salvador	582	16.2	17.4	27.8	25.1	16.2	7.6	6.0	15.7	16.7
England	558	42.2	9.7	23.7	23.0	42.2	1.1	0.4	44.8	39.2
Georgia	604	24.9	12.1	35.2	20.9	24.9	4.5	2.3	22.8	27.1
Ghana	757	13.9	20.6	33.7	26.4	13.9	2.9	2.4	14.7	13.3
Hong Kong SAR	485	68.6	4.0	15.8	10.6	68.6	0.5	0.5	71.4	65.8
Hungary	584	37.8	11.5	21.5	24.9	37.8	4.1	0.1	39.8	35.8
Indonesia	594	19.4	17.8	27.8	29.8	19.4	3.8	1.4	18.6	20.4
Iran, Islamic Rep. of	569	21.1	12.7	44.1	18.8	21.1	2.2	1.2	20.5	21.6
Israel	489	33.4	10.1	33.0	16.9	33.4	4.2	2.5	30.3	36.7
Italy	621	31.5	13.6	19.7	28.5	31.5	5.3	1.4	26.4	36.1
Japan	611	70.7	1.4	20.2	6.4	70.7	0.3	0.9	74.2	67.2
Jordan	753	29.0	13.8	36.9	16.5	29.0	3.7	0.2	29.8	28.2
Korea, Rep. of	601	72.7	0.9	21.7	4.6	72.7	0.0	0.0	70.9	74.5
Kuwait	584	17.5	10.0	58.0	10.6	17.5	2.6	1.4	13.5	22.1
Lebanon	545	39.7	5.6	34.8	17.7	39.7	1.4	0.8	39.9	39.5
Lithuania	577	34.8	9.1	30.0	23.0	34.8	3.2	0.0	32.5	36.9
Malaysia	627	35.5	12.6	20.5	28.2	35.5	1.6	1.5	33.8	37.5
Malta	660	40.3	7.7	32.1	17.5	40.3	2.1	0.3	37.2	43.5
Morocco	452	18.6	12.0	37.6	26.6	18.6	3.5	1.7	18.5	18.7
Norway	659	33.6	14.1	17.7	29.0	33.6	4.7	0.9	33.5	33.7
Oman	679	19.4	14.2	36.5	24.3	19.4	3.1	2.5	19.9	18.8
Palestinian Nat'l Auth.	617	17.9	12.2	45.1	22.5	17.9	1.1	1.2	15.4	20.5
Qatar	1018	16.6	15.8	40.6	25.9	16.6	0.7	0.4	14.0	19.1
Romania	601	23.9	9.6	36.8	26.1	23.9	2.8	0.8	24.2	23.7
Russian Federation	639	33.6	9.1	37.2	16.0	33.6	2.8	1.3	29.9	37.9
Saudi Arabia	603	18.1	10.3	45.8	21.3	18.1	3.0	1.5	18.6	17.6
Scotland	586	30.7	12.4	34.0	19.3	30.7	3.2	0.5	28.2	33.4
Serbia	578	29.6	12.0	29.3	24.9	29.6	3.2	1.0	31.8	27.6
Singapore	663	75.5	4.8	11.8	7.3	75.5	0.5	0.1	79.4	72.0
Slovenia	580	25.4	12.0	31.9	27.3	25.4	3.1	0.2	28.0	22.3
Sweden	753	31.0	12.5	19.3	30.6	31.0	5.3	1.2	31.6	30.5
Syrian Arab Republic	668	15.7	8.7	48.5	25.6	15.7	1.1	0.5	14.0	17.5
Thailand	769	35.6	15.4	22.3	25.1	35.6	1.3	0.3	35.9	35.3
Tunisia	579	28.3	13.4	29.3	25.3	28.3	2.3	1.3	29.9	26.4
Turkey	634	32.1	19.4	24.8	21.4	32.1	2.2	0.1	30.0	33.8
Ukraine	637	27.9	12.1	30.6	26.5	27.9	2.8	0.1	26.9	28.8
United States	1061	26.5	14.7	28.1	28.6	26.5	1.0	1.2	24.6	28.5
International Avg.	644	31.8	11.7	30.8	21.7	31.8	2.8	1.2	31.5	32.1
Basque Country, Spain	326	29.7	12.6	23.6	30.0	29.7	3.8	0.3	29.8	29.5
British Columbia, Canada	604	33.5	14.6	25.4	23.2	33.5	2.6	0.7	28.0	38.9
Dubai, UAE	428	21.7	14.4	47.3	13.6	21.7	2.7	0.4	18.1	25.0
Massachusetts, US	261	35.2	9.3	32.3	18.7	35.2	1.8	2.8	31.6	37.7
Minnesota, US	257	33.8	16.3	26.7	22.5	33.8	0.5	0.2	26.6	40.6
Ontario, Canada	499	36.8	9.7	27.1	22.0	36.8	2.7	1.8	37.2	36.4
Quebec, Canada	553	49.1	6.6	21.9	17.7	49.1	3.9	0.7	49.9	48.4

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Geometry / Applying (M042130 - M04_11)

Label: Draw the triangle

Type: CR Key: -

COUNTRY	N	10	70	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	688	55.4	0.8	28.0	11.0	4.7	55.4	55.5	55.3
Armenia	675	61.1	1.8	10.3	26.2	0.6	61.1	62.1	60.2
Australia	573	58.3	9.9	22.9	8.2	0.7	58.3	58.1	58.4
Bahrain	603	41.0	11.9	30.9	13.9	2.3	41.0	40.9	41.1
Bosnia and Herzegovina	600	63.5	3.2	18.4	13.8	1.2	63.5	66.5	60.9
Botswana	600	12.1	4.5	64.8	13.6	5.0	12.1	13.1	11.0
Bulgaria	569	46.1	7.1	23.0	23.1	0.8	46.1	48.0	44.4
Chinese Taipei	581	74.1	10.8	9.2	5.9	0.0	74.1	80.6	68.2
Colombia	711	36.3	12.8	29.9	13.3	7.7	36.3	35.5	37.1
Cyprus	635	40.2	11.2	32.0	15.8	0.9	40.2	43.2	37.3
Czech Republic	694	64.7	8.3	16.2	10.4	0.4	64.7	65.9	63.4
Egypt	944	42.6	10.3	36.8	9.9	0.4	42.6	43.8	41.3
El Salvador	582	30.9	6.6	37.5	18.2	6.8	30.9	24.1	38.2
England	558	65.6	7.3	23.3	3.3	0.5	65.6	68.8	62.1
Georgia	604	49.6	6.4	14.6	27.0	2.5	49.6	51.3	47.7
Ghana	757	9.8	1.2	44.3	40.7	3.9	9.8	10.5	9.3
Hong Kong SAR	485	62.0	4.1	30.8	2.6	0.5	62.0	65.2	58.8
Hungary	584	67.4	12.6	11.4	8.4	0.1	67.4	66.6	68.3
Indonesia	594	44.4	5.0	35.9	12.4	2.4	44.4	44.3	44.5
Iran, Islamic Rep. of	570	47.4	10.8	32.3	8.1	1.4	47.4	47.1	47.7
Israel	489	43.1	4.7	35.0	13.8	3.4	43.1	42.3	43.9
Italy	621	62.0	8.4	13.6	14.0	2.0	62.0	61.2	62.7
Japan	611	68.9	11.4	15.5	3.1	1.1	68.9	69.2	68.5
Jordan	753	29.5	12.6	47.8	9.4	0.8	29.5	32.2	27.1
Korea, Rep. of	601	45.8	3.5	50.4	0.4	0.0	45.8	42.1	49.3
Kuwait	584	33.8	16.3	30.2	17.2	2.6	33.8	39.0	27.6
Lebanon	546	32.8	4.8	42.0	19.2	1.2	32.8	29.6	36.8
Lithuania	577	71.6	3.3	16.0	8.9	0.3	71.6	70.9	72.2
Malaysia	626	55.6	7.2	27.7	7.4	2.1	55.6	55.8	55.4
Malta	660	54.9	9.8	26.4	7.6	1.2	54.9	55.8	54.0
Morocco	455	44.5	7.5	35.2	10.2	2.6	44.5	41.6	47.2
Norway	659	52.9	8.5	27.6	9.3	1.8	52.9	54.5	51.4
Oman	680	35.3	12.2	40.4	8.8	3.3	35.3	43.2	26.7
Palestinian Nat'l Auth.	615	27.9	8.3	53.0	9.6	1.2	27.9	31.1	24.7
Qatar	1018	26.8	9.8	49.9	13.1	0.4	26.8	31.0	22.7
Romania	601	55.7	5.5	26.1	11.6	1.0	55.7	59.1	52.8
Russian Federation	639	52.5	7.3	22.5	15.7	2.1	52.5	52.4	52.6
Saudi Arabia	603	42.2	9.3	27.8	18.1	2.5	42.2	50.5	34.4
Scotland	586	50.8	12.7	26.8	8.7	1.0	50.8	50.9	50.7
Serbia	582	65.2	6.5	10.5	16.4	1.4	65.2	69.0	61.7
Singapore	663	66.6	9.7	21.1	2.5	0.1	66.6	72.4	61.6
Slovenia	580	67.4	11.3	17.1	3.7	0.4	67.4	65.7	69.6
Sweden	753	50.2	7.2	30.7	10.0	1.9	50.2	50.7	49.7
Syrian Arab Republic	668	42.0	16.4	32.2	8.4	1.0	42.0	40.0	44.3
Thailand	769	44.1	4.4	38.6	12.3	0.5	44.1	43.4	44.8
Tunisia	579	52.5	10.1	26.9	9.1	1.4	52.5	51.7	53.4
Turkey	634	29.8	9.1	46.3	14.2	0.6	29.8	30.1	29.5
Ukraine	637	54.9	11.9	23.0	9.8	0.5	54.9	55.0	54.8
United States	1061	60.0	13.1	23.0	2.6	1.3	60.0	57.4	62.9
International Avg.	642	48.8	8.4	29.3	11.8	1.7	48.8	49.8	47.9
Basque Country, Spain	326	57.1	7.5	24.6	9.7	1.1	57.1	55.3	58.8
British Columbia, Canada	604	62.2	10.0	21.1	5.9	0.7	62.2	60.8	63.5
Dubai, UAE	430	36.7	11.6	36.3	14.2	1.1	36.7	40.7	33.0
Massachusetts, US	261	72.1	10.1	11.9	2.1	3.9	72.1	74.1	70.6
Minnesota, US	257	71.8	12.7	14.9	0.4	0.2	71.8	70.8	72.9
Ontario, Canada	499	69.5	11.1	13.7	3.6	2.1	69.5	65.5	72.7
Quebec, Canada	553	65.9	10.5	16.1	6.5	0.9	65.9	65.0	66.8

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Data and Chance / Knowing (M042303A - M04_12A)
 Label: Mean rating for each subject
 Type: CR Key: -

COUNTRY	N	10	70	71	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	684	33.6	1.4	1.1	43.7	14.4	5.8	33.6	32.6	34.6
Armenia	674	34.9	3.8	6.2	17.2	35.6	2.2	34.9	37.9	32.4
Australia	573	45.0	0.3	14.7	34.9	4.3	0.9	45.0	42.1	47.4
Bahrain	603	14.2	0.3	1.2	70.3	11.2	2.8	14.2	16.6	11.8
Bosnia and Herzegovina	600	50.2	0.8	3.5	27.9	16.0	1.6	50.2	54.6	46.5
Botswana	600	7.8	0.0	2.0	79.7	3.7	6.7	7.8	9.0	6.6
Bulgaria	569	37.4	0.9	6.5	33.9	19.6	1.7	37.4	41.6	33.8
Chinese Taipei	581	81.6	0.8	5.5	10.2	1.6	0.2	81.6	81.3	82.0
Colombia	711	4.3	0.0	7.7	69.2	7.9	10.8	4.3	1.9	6.7
Cyprus	635	35.9	0.5	11.0	41.6	9.0	2.1	35.9	39.9	31.9
Czech Republic	694	44.6	0.4	5.6	46.0	3.0	0.4	44.6	42.2	46.9
Egypt	944	10.3	0.5	4.8	75.0	8.7	0.8	10.3	14.7	5.8
El Salvador	582	6.8	0.2	4.6	70.3	10.4	7.7	6.8	6.2	7.4
England	558	51.7	0.1	16.2	27.9	3.5	0.7	51.7	50.3	53.3
Georgia	604	16.5	0.0	4.2	45.5	28.9	5.0	16.5	14.3	18.7
Ghana	757	5.0	0.8	3.1	72.1	12.1	6.9	5.0	4.9	5.2
Hong Kong SAR	485	85.2	0.0	2.9	9.1	2.0	0.7	85.2	87.7	82.8
Hungary	584	70.0	1.1	5.5	19.8	3.2	0.4	70.0	71.9	68.0
Indonesia	593	29.4	5.0	3.5	51.1	8.1	2.9	29.4	31.9	26.6
Iran, Islamic Rep. of	570	29.4	1.0	8.0	50.8	8.3	2.5	29.4	32.6	26.6
Israel	489	46.6	1.6	5.1	31.0	11.0	4.7	46.6	48.3	44.8
Italy	620	27.6	0.4	9.3	50.2	10.0	2.5	27.6	23.8	31.0
Japan	611	79.6	0.5	7.8	9.6	1.1	1.3	79.6	83.4	75.9
Jordan	753	24.4	0.8	2.1	65.3	6.1	1.3	24.4	29.3	20.0
Korea, Rep. of	601	81.9	0.7	3.0	13.4	1.1	0.0	81.9	82.2	81.5
Kuwait	584	0.6	0.0	3.4	79.0	13.5	3.5	0.6	0.6	0.7
Lebanon	546	14.7	2.1	1.1	66.2	12.3	3.6	14.7	13.1	16.6
Lithuania	577	67.7	0.0	7.5	19.5	4.7	0.6	67.7	76.0	60.4
Malaysia	626	31.6	0.2	2.9	59.2	3.5	2.7	31.6	34.2	28.6
Malta	659	49.6	0.4	9.7	33.5	5.0	1.7	49.6	47.4	51.9
Morocco	453	10.0	1.2	0.1	71.0	13.7	4.0	10.0	9.4	10.7
Norway	659	54.0	0.7	8.9	27.8	6.1	2.6	54.0	58.5	49.8
Oman	680	21.2	1.5	3.3	63.9	5.2	4.8	21.2	30.8	10.8
Palestinian Nat'l Auth.	616	11.9	0.2	2.4	80.1	3.5	1.8	11.9	13.3	10.5
Qatar	1018	2.3	0.5	1.6	79.7	15.1	0.8	2.3	2.3	2.3
Romania	601	32.3	0.1	3.0	49.4	13.3	1.9	32.3	37.1	28.0
Russian Federation	639	42.4	0.0	9.4	35.8	8.8	3.5	42.4	40.1	45.1
Saudi Arabia	603	2.2	0.1	0.9	85.6	7.2	4.0	2.2	1.6	2.7
Scotland	586	41.1	0.0	14.4	38.8	4.7	1.0	41.1	42.3	39.8
Serbia	582	58.2	0.3	4.2	20.5	14.3	2.5	58.2	59.8	56.8
Singapore	663	77.4	1.3	8.0	12.2	1.0	0.2	77.4	83.0	72.4
Slovenia	580	46.7	0.6	22.6	28.1	1.5	0.4	46.7	46.2	47.3
Sweden	753	47.1	0.4	12.4	29.3	8.1	2.8	47.1	49.8	44.4
Syrian Arab Republic	668	16.0	9.5	3.5	57.9	11.7	1.4	16.0	18.6	13.0
Thailand	769	12.8	0.3	3.8	75.0	6.9	1.2	12.8	13.6	12.1
Tunisia	579	13.7	0.8	0.7	71.5	10.3	3.0	13.7	13.1	14.4
Turkey	634	28.4	0.6	8.7	51.8	9.7	0.7	28.4	27.2	29.4
Ukraine	637	40.4	0.8	5.0	43.9	8.8	1.1	40.4	45.4	35.4
United States	1061	63.8	1.3	10.7	20.0	2.8	1.4	63.8	65.1	62.3
International Avg.	642	35.5	0.9	6.0	46.2	8.8	2.5	35.5	36.9	34.2
Basque Country, Spain	326	48.1	0.0	6.9	39.8	3.8	1.4	48.1	48.9	47.4
British Columbia, Canada	604	46.1	0.5	14.9	32.2	5.2	1.2	46.1	45.1	47.1
Dubai, UAE	430	31.4	0.3	5.4	50.5	11.1	1.4	31.4	30.0	32.7
Massachusetts, US	261	75.2	1.3	8.6	8.6	2.3	3.9	75.2	73.0	76.8
Minnesota, US	257	75.4	0.0	7.3	16.4	0.3	0.5	75.4	78.3	72.7
Ontario, Canada	499	63.7	0.3	10.4	19.3	3.7	2.6	63.7	66.1	61.9
Quebec, Canada	553	58.6	0.3	11.8	22.2	5.1	2.0	58.6	55.0	62.1

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Data and Chance / Reasoning (M042303B - M04_12B)
 Label: True/false statements
 Type: CR Key: -

COUNTRY	N	20	10	79	OMIT TED	NOT REACH ED	V1	V2	1.GIRL %Right	2.BOY %Right
Algeria	685	13.6	23.4	46.5	8.1	8.5	36.9	13.6	13.8	13.3
Armenia	674	6.7	11.2	32.0	47.7	2.5	17.9	6.7	9.1	4.7
Australia	573	29.9	34.6	30.7	3.0	1.8	64.5	29.9	26.8	32.5
Bahrain	603	12.5	32.6	41.5	9.2	4.0	45.2	12.5	13.2	11.9
Bosnia and Herzegovina	600	11.0	19.5	46.0	20.8	2.7	30.5	11.0	11.3	10.8
Botswana	600	7.9	22.3	57.3	3.9	8.6	30.2	7.9	7.7	8.3
Bulgaria	569	12.2	20.6	37.4	25.8	3.9	32.8	12.2	11.6	12.7
Chinese Taipei	581	30.8	32.0	33.3	3.7	0.2	62.8	30.8	30.4	31.2
Colombia	711	11.7	22.1	45.4	7.1	13.7	33.8	11.7	9.7	13.6
Cyprus	635	18.2	25.6	43.9	8.9	3.4	43.8	18.2	18.7	17.6
Czech Republic	694	29.7	32.8	28.8	7.9	0.8	62.5	29.7	29.3	30.1
Egypt	943	10.7	26.1	51.9	8.8	2.4	36.9	10.7	8.6	13.0
El Salvador	582	8.1	23.2	45.5	14.2	9.0	31.3	8.1	9.1	7.0
England	558	38.5	29.5	27.1	3.6	1.2	68.1	38.5	38.6	38.4
Georgia	604	10.0	9.0	28.4	45.0	7.7	19.0	10.0	10.9	9.0
Ghana	757	5.8	19.0	51.9	14.8	8.5	24.9	5.8	6.5	5.3
Hong Kong SAR	485	10.7	32.2	53.2	2.9	1.1	42.9	10.7	12.8	8.6
Hungary	584	37.5	28.2	31.5	2.3	0.4	65.7	37.5	37.1	37.9
Indonesia	594	4.0	20.7	52.8	18.1	4.3	24.7	4.0	5.0	2.9
Iran, Islamic Rep. of	570	14.8	30.4	42.7	7.8	4.3	45.2	14.8	15.2	14.5
Israel	489	21.7	31.1	33.2	7.9	6.1	52.8	21.7	23.1	20.2
Italy	621	24.7	26.6	35.0	10.4	3.3	51.3	24.7	23.8	25.5
Japan	610	49.8	24.3	22.7	1.3	1.8	74.1	49.8	50.6	49.0
Jordan	753	12.1	26.2	53.9	6.2	1.7	38.3	12.1	13.5	10.8
Korea, Rep. of	601	38.6	30.2	29.7	1.5	0.0	68.8	38.6	36.5	40.5
Kuwait	584	9.6	23.8	48.7	12.9	5.0	33.4	9.6	11.1	7.8
Lebanon	546	17.5	22.5	41.5	12.7	5.8	40.0	17.5	16.5	18.8
Lithuania	577	21.7	28.8	38.0	10.4	1.1	50.6	21.7	24.3	19.5
Malaysia	626	13.7	24.9	54.8	3.2	3.5	38.5	13.7	12.5	15.0
Malta	660	27.4	31.8	34.1	4.6	2.1	59.2	27.4	26.0	28.9
Morocco	454	13.5	24.9	45.6	11.4	4.7	38.4	13.5	11.1	16.0
Norway	658	24.2	27.4	35.1	9.2	4.2	51.5	24.2	27.8	20.7
Oman	680	15.0	24.2	50.4	3.3	7.1	39.2	15.0	17.5	12.2
Palestinian Nat'l Auth.	617	9.7	26.1	56.5	5.8	1.8	35.9	9.7	12.1	7.4
Qatar	1018	7.0	19.4	52.4	19.7	1.6	26.3	7.0	8.5	5.5
Romania	601	15.7	22.0	45.4	13.8	3.0	37.8	15.7	14.4	16.9
Russian Federation	639	19.6	21.5	36.9	16.6	5.4	41.1	19.6	20.1	19.0
Saudi Arabia	603	15.4	26.5	48.0	5.7	4.4	41.9	15.4	14.8	16.0
Scotland	586	32.1	32.7	29.4	4.2	1.6	64.8	32.1	31.4	32.8
Serbia	582	17.0	17.6	45.1	16.9	3.4	34.6	17.0	21.9	12.3
Singapore	663	31.2	33.0	34.2	1.5	0.2	64.1	31.2	33.9	28.7
Slovenia	580	25.4	32.7	38.8	2.6	0.6	58.1	25.4	29.8	20.0
Sweden	753	29.4	27.3	28.8	10.1	4.5	56.6	29.4	31.4	27.4
Syrian Arab Republic	668	14.7	24.9	52.4	5.3	2.6	39.7	14.7	14.0	15.5
Thailand	769	10.4	30.4	48.6	8.7	1.9	40.8	10.4	12.8	8.1
Tunisia	580	16.5	22.8	50.0	5.6	5.0	39.3	16.5	15.6	17.6
Turkey	634	12.6	26.9	46.4	12.4	1.6	39.5	12.6	12.4	12.8
Ukraine	637	11.2	26.2	49.6	10.8	2.2	37.4	11.2	11.9	10.4
United States	1061	32.9	31.9	30.6	2.6	2.1	64.7	32.9	34.1	31.5
International Avg.	642	18.7	25.8	41.7	10.2	3.6	44.5	18.7	19.2	18.2
Basque Country, Spain	326	27.5	30.4	36.7	3.1	2.4	57.9	27.5	25.2	29.7
British Columbia, Canada	604	30.8	33.9	30.2	3.1	2.0	64.7	30.8	28.5	32.9
Dubai, UAE	430	12.2	36.1	40.7	7.4	3.6	48.3	12.2	14.0	10.5
Massachusetts, US	261	43.4	27.4	22.6	2.6	4.1	70.7	43.4	46.3	41.3
Minnesota, US	257	36.9	34.4	26.6	1.5	0.5	71.4	36.9	36.0	37.8
Ontario, Canada	499	34.6	35.9	24.5	1.5	3.5	70.5	34.6	25.9	41.6
Quebec, Canada	553	27.2	32.3	34.4	1.6	4.4	59.6	27.2	23.5	30.8

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Data and Chance / Knowing (M042222 - M04_13)
 Label: Color of the third marble
 Type: MC Key: A

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	774	12.2	12.2	9.7	26.3	37.9	5.0	8.8	9.0	15.0
Armenia	675	21.5	21.5	8.6	46.9	19.4	1.2	2.5	21.5	21.5
Australia	573	68.6	68.6	8.0	11.9	7.5	1.4	2.5	66.7	70.2
Bahrain	603	36.6	36.6	13.6	24.3	17.9	2.4	5.2	37.3	35.9
Bosnia and Herzegovina	600	38.9	38.9	9.2	21.6	22.0	4.9	3.4	32.7	44.1
Botswana	600	17.9	17.9	26.0	21.0	20.5	3.0	11.7	17.7	18.1
Bulgaria	569	36.2	36.2	14.2	19.7	21.6	2.9	5.5	29.9	41.7
Chinese Taipei	581	65.7	65.7	5.7	19.5	8.9	0.0	0.2	65.8	65.6
Colombia	711	21.3	21.3	11.0	25.5	24.6	2.3	15.4	18.4	24.1
Cyprus	635	50.5	50.5	12.9	16.1	13.4	3.1	4.0	51.0	50.0
Czech Republic	694	50.6	50.6	7.8	10.3	28.3	1.5	1.5	41.7	59.4
Egypt	939	18.7	18.7	16.3	33.6	26.2	2.3	2.9	18.3	19.1
El Salvador	582	16.5	16.5	14.7	38.5	17.0	2.5	10.9	14.2	19.0
England	558	78.3	78.3	6.7	8.2	3.8	1.5	1.5	82.1	74.0
Georgia	604	25.5	25.5	12.5	22.7	27.7	2.9	8.7	19.3	32.3
Ghana	757	18.1	18.1	20.8	18.4	24.2	6.6	11.8	15.5	20.3
Hong Kong SAR	485	63.4	63.4	5.6	10.4	19.1	0.2	1.3	59.6	67.3
Hungary	584	55.1	55.1	6.0	23.1	14.0	1.2	0.6	52.7	57.6
Indonesia	594	28.2	28.2	27.4	14.4	20.6	3.3	6.2	27.6	28.9
Iran, Islamic Rep. of	570	21.4	21.4	10.7	16.5	41.6	3.9	5.9	22.4	20.6
Israel	489	41.5	41.5	11.8	18.0	17.3	4.4	7.0	40.5	42.7
Italy	620	55.3	55.3	6.9	18.5	12.8	2.1	4.3	49.6	60.6
Japan	611	76.4	76.4	6.4	10.1	4.2	0.8	2.1	74.2	78.7
Jordan	753	30.3	30.3	12.5	36.7	15.7	2.7	2.0	30.4	30.2
Korea, Rep. of	601	84.4	84.4	5.7	5.8	3.7	0.2	0.2	86.2	82.7
Kuwait	584	9.7	9.7	16.4	28.0	34.1	5.5	6.4	9.5	10.0
Lebanon	544	14.7	14.7	18.0	24.3	31.4	4.6	7.0	14.7	14.6
Lithuania	572	71.1	71.1	4.8	11.5	9.7	1.3	1.7	76.3	66.5
Malaysia	626	32.5	32.5	17.1	8.6	35.5	2.5	3.7	32.6	32.5
Malta	659	51.0	51.0	12.7	14.8	16.9	2.1	2.4	48.1	54.0
Morocco	.	.	.	.	.	.	.	.	.	.
Norway	659	64.1	64.1	8.3	13.8	6.9	2.2	4.6	64.5	63.8
Oman	680	24.0	24.0	9.7	25.4	25.1	7.2	8.6	26.8	21.0
Palestinian Nat'l Auth.	617	15.9	15.9	18.2	33.9	28.0	1.6	2.4	15.8	16.0
Qatar	1018	14.5	14.5	30.6	25.3	24.0	3.7	1.9	14.5	14.5
Romania	601	34.1	34.1	10.2	24.7	22.6	5.1	3.4	31.1	36.8
Russian Federation	639	37.5	37.5	7.3	18.6	27.1	2.4	7.1	31.4	44.6
Saudi Arabia	603	15.0	15.0	12.2	28.2	37.9	1.7	5.0	14.9	15.1
Scotland	586	56.1	56.1	9.3	17.2	13.1	1.9	2.3	52.7	59.8
Serbia	581	40.7	40.7	9.6	21.4	22.2	2.1	4.0	40.1	41.3
Singapore	663	55.6	55.6	8.0	10.6	24.3	1.1	0.3	54.3	56.8
Slovenia	580	44.0	44.0	6.6	24.7	23.2	0.5	1.0	42.6	45.8
Sweden	753	60.1	60.1	8.2	10.1	12.4	3.2	6.0	55.7	64.2
Syrian Arab Republic	668	23.9	23.9	11.7	30.3	29.5	1.8	2.8	21.5	26.7
Thailand	769	23.3	23.3	14.0	15.7	43.2	1.7	2.1	24.2	22.4
Tunisia	581	11.2	11.2	9.7	25.6	44.3	3.3	5.9	8.9	14.0
Turkey	634	42.2	42.2	14.6	15.8	23.2	1.9	2.2	42.2	42.3
Ukraine	637	39.0	39.0	9.2	19.6	27.3	2.4	2.5	39.1	38.9
United States	1061	67.3	67.3	9.6	14.9	4.7	1.2	2.3	66.3	68.4
International Avg.	647	39.2	39.2	11.8	20.4	21.6	2.6	4.4	37.7	40.6
Basque Country, Spain	326	63.2	63.2	2.0	20.1	10.2	1.5	3.0	59.5	66.8
British Columbia, Canada	604	73.3	73.3	5.8	10.9	6.7	0.7	2.7	71.8	74.6
Dubai, UAE	428	31.1	31.1	10.5	20.0	31.1	3.8	3.6	29.5	32.5
Massachusetts, US	261	76.6	76.6	2.9	13.1	1.6	0.7	5.2	76.8	76.4
Minnesota, US	257	77.5	77.5	6.0	13.0	2.4	0.3	0.8	74.1	80.7
Ontario, Canada	499	74.0	74.0	6.1	9.3	5.0	1.6	4.1	73.6	74.2
Quebec, Canada	553	66.9	66.9	6.8	11.9	8.1	1.6	4.6	64.7	69.0

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Number / Applying (M032142 - M05_01)
 Label: Classes with same ratio boy to girl
 Type: MC Key: B

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	788	34.5	10.4	34.5	22.8	18.0	13.8	0.6	35.6	33.3
Armenia	665	62.7	8.4	62.7	10.9	9.5	7.0	1.5	61.1	64.1
Australia	583	47.5	20.2	47.5	14.5	13.7	3.7	0.4	45.4	49.5
Bahrain	595	52.4	14.7	52.4	16.0	11.6	5.3	0.0	59.7	45.5
Bosnia and Herzegovina	600	49.0	18.3	49.0	12.2	9.4	11.0	0.2	48.3	49.6
Botswana	603	49.6	13.3	49.6	15.8	16.5	4.8	0.0	47.2	52.4
Bulgaria	567	50.4	11.2	50.4	16.0	11.5	10.2	0.8	53.5	47.6
Chinese Taipei	578	80.4	4.6	80.4	8.9	5.9	0.2	0.0	82.0	78.9
Colombia	697	34.5	13.0	34.5	29.5	12.7	9.1	1.3	31.5	37.6
Cyprus	628	48.9	16.8	48.9	14.5	15.9	3.8	0.1	52.4	45.4
Czech Republic	680	50.9	10.3	50.9	13.2	13.5	12.1	0.0	50.5	51.3
Egypt	935	39.8	16.3	39.8	23.9	17.0	2.8	0.2	42.0	37.8
El Salvador	579	41.0	12.7	41.0	24.0	12.4	9.8	0.1	42.3	39.5
England	555	41.6	27.9	41.6	11.9	15.4	2.8	0.4	42.4	40.8
Georgia	595	47.6	9.2	47.6	16.5	14.6	9.2	2.8	49.6	45.9
Ghana	764	39.6	13.7	39.6	18.9	21.0	6.1	0.6	40.8	38.7
Hong Kong SAR	490	67.7	10.2	67.7	11.6	9.4	0.6	0.5	68.6	66.8
Hungary	579	45.9	15.7	45.9	15.7	14.9	7.7	0.0	46.3	45.5
Indonesia	598	51.7	13.2	51.7	17.3	15.7	2.1	0.0	49.8	53.7
Iran, Islamic Rep. of	567	38.8	16.9	38.8	21.2	16.6	6.5	0.1	42.4	35.9
Israel	480	36.0	19.5	36.0	15.9	18.4	8.9	1.3	35.4	36.7
Italy	621	42.9	18.0	42.9	16.7	14.6	7.9	0.0	42.0	43.7
Japan	617	64.2	12.8	64.2	11.0	10.1	1.8	0.1	63.4	65.0
Jordan	751	41.0	14.9	41.0	23.0	15.9	5.1	0.0	44.5	38.0
Korea, Rep. of	605	82.3	6.4	82.3	4.6	5.9	0.8	0.0	80.5	84.0
Kuwait	582	58.0	9.2	58.0	15.5	10.6	5.7	1.0	60.2	55.4
Lebanon	528	52.1	9.0	52.1	17.3	12.8	8.6	0.2	52.5	51.7
Lithuania	557	43.0	19.3	43.0	18.8	12.2	6.4	0.2	40.6	45.5
Malaysia	629	59.2	10.8	59.2	15.3	10.3	3.9	0.5	60.9	57.0
Malta	652	49.1	14.6	49.1	20.2	12.2	3.9	0.0	49.9	48.2
Morocco	445	52.9	10.3	52.9	18.1	8.2	10.5	0.1	52.8	52.7
Norway	653	39.8	21.8	39.8	15.9	12.9	8.6	1.1	38.9	40.7
Oman	678	40.7	14.6	40.7	22.1	16.4	6.0	0.1	41.6	39.8
Palestinian Nat'l Auth.	623	44.1	11.9	44.1	24.8	16.2	2.9	0.0	42.6	45.7
Qatar	1005	41.1	14.0	41.1	25.3	16.0	3.3	0.3	44.5	37.8
Romania	592	53.1	12.5	53.1	14.4	14.4	5.5	0.1	54.8	51.3
Russian Federation	641	59.8	12.5	59.8	10.8	9.5	7.3	0.2	59.0	60.6
Saudi Arabia	595	44.9	13.0	44.9	21.4	15.6	4.9	0.1	48.1	41.9
Scotland	573	50.4	15.7	50.4	15.8	12.7	5.1	0.3	52.5	48.1
Serbia	559	52.4	16.6	52.4	11.9	11.3	7.4	0.4	54.5	50.4
Singapore	661	83.7	4.2	83.7	7.2	3.3	1.6	0.0	87.1	80.2
Slovenia	569	34.3	22.0	34.3	14.0	21.5	8.0	0.1	30.5	38.5
Sweden	756	33.4	22.8	33.4	17.1	17.2	8.5	1.1	29.9	36.6
Syrian Arab Republic	665	40.6	11.6	40.6	23.7	17.7	6.0	0.3	43.2	37.7
Thailand	774	47.8	13.1	47.8	24.7	11.2	3.1	0.0	46.9	48.6
Tunisia	580	60.8	9.5	60.8	11.6	8.5	9.3	0.2	61.0	60.6
Turkey	639	51.7	14.7	51.7	15.2	14.8	3.6	0.0	48.7	54.3
Ukraine	634	43.0	19.3	43.0	17.4	13.0	7.2	0.0	41.9	44.2
United States	1055	53.8	19.2	53.8	13.8	12.3	0.8	0.2	56.9	50.4
International Avg.	640	49.6	14.1	49.6	16.7	13.3	5.9	0.4	50.1	49.1
Basque Country, Spain	317	34.2	20.0	34.2	17.0	19.8	8.7	0.2	30.5	38.1
British Columbia, Canada	605	52.9	17.7	52.9	13.7	12.5	3.1	0.2	53.3	52.5
Dubai, UAE	435	55.8	9.5	55.8	16.5	10.3	7.6	0.4	56.9	54.8
Massachusetts, US	265	62.7	16.0	62.7	12.0	8.7	0.7	0.0	69.1	57.4
Minnesota, US	257	53.8	23.4	53.8	7.1	15.2	0.5	0.0	53.5	54.0
Ontario, Canada	497	51.3	23.1	51.3	10.9	11.1	3.0	0.4	52.1	50.7
Quebec, Canada	568	57.9	13.7	57.9	12.4	10.2	5.3	0.6	60.2	55.7

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Algebra / Knowing (M032198 - M05_02)
 Label: 2 times a squared times 3a
 Type: MC Key: D

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	789	13.1	21.0	9.6	47.8	13.1	5.7	2.8	12.0	14.2
Armenia	676	69.7	7.9	8.8	10.3	69.7	1.8	1.5	72.5	66.9
Australia	583	29.2	18.7	11.4	38.4	29.2	1.7	0.7	25.7	32.5
Bahrain	595	48.2	6.9	10.5	32.2	48.2	1.6	0.5	59.7	37.4
Bosnia and Herzegovina	600	51.1	9.5	11.1	22.7	51.1	4.8	0.8	57.2	45.6
Botswana	603	11.6	21.7	2.4	62.7	11.6	1.4	0.2	12.4	10.7
Bulgaria	567	57.1	7.8	9.0	18.7	57.1	5.9	1.5	58.7	55.6
Chinese Taipei	578	70.9	6.5	5.4	17.1	70.9	0.2	0.0	73.7	68.2
Colombia	697	40.9	13.0	15.8	25.2	40.9	2.8	2.4	39.5	42.4
Cyprus	628	25.6	18.3	15.9	38.1	25.6	1.9	0.1	27.9	23.3
Czech Republic	680	69.3	3.9	9.8	14.9	69.3	2.0	0.2	72.5	65.9
Egypt	938	60.2	5.6	11.2	21.5	60.2	1.1	0.4	66.4	54.4
El Salvador	579	34.7	16.6	15.0	26.7	34.7	5.9	1.1	36.1	33.0
England	555	24.7	23.8	11.2	37.8	24.7	2.2	0.4	26.3	23.0
Georgia	595	38.8	15.0	7.2	32.7	38.8	2.9	3.4	39.1	38.6
Ghana	764	34.8	14.6	7.8	40.5	34.8	1.7	0.6	29.9	38.9
Hong Kong SAR	490	69.2	5.4	8.2	16.1	69.2	0.5	0.5	71.6	66.7
Hungary	579	42.4	10.3	14.4	29.9	42.4	2.3	0.6	44.1	40.6
Indonesia	598	36.2	12.3	6.4	43.8	36.2	1.4	0.0	37.7	34.5
Iran, Islamic Rep. of	567	48.3	11.7	13.1	24.7	48.3	2.0	0.3	56.3	41.9
Israel	480	40.0	13.2	10.1	31.3	40.0	3.6	1.8	44.4	35.0
Italy	631	70.4	4.1	12.0	11.3	70.4	2.0	0.1	72.6	68.4
Japan	617	86.8	1.5	4.6	6.3	86.8	0.6	0.1	89.7	84.1
Jordan	751	59.2	6.8	10.3	23.2	59.2	0.4	0.0	65.6	53.5
Korea, Rep. of	605	76.5	4.8	6.8	12.0	76.5	0.0	0.0	76.7	76.3
Kuwait	582	41.9	6.0	7.9	39.8	41.9	3.1	1.2	44.2	39.2
Lebanon	539	72.1	2.7	11.4	13.2	72.1	0.4	0.2	72.1	72.1
Lithuania	566	44.1	11.4	8.5	35.0	44.1	0.7	0.2	50.1	38.0
Malaysia	629	58.2	6.1	9.7	24.0	58.2	0.9	1.2	62.0	53.4
Malta	655	44.8	14.8	12.6	25.7	44.8	2.1	0.0	49.1	40.2
Morocco	453	40.7	17.0	13.0	25.8	40.7	1.8	1.8	40.8	40.8
Norway	653	17.4	22.8	10.8	43.3	17.4	4.7	1.1	16.3	18.5
Oman	678	38.3	9.3	11.0	38.9	38.3	2.0	0.5	50.6	25.1
Palestinian Nat'l Auth.	623	30.4	11.5	10.1	47.1	30.4	0.8	0.1	33.4	27.2
Qatar	1005	37.9	12.3	16.2	30.6	37.9	2.7	0.4	42.8	32.9
Romania	592	52.3	11.0	9.7	26.0	52.3	0.9	0.1	55.0	49.3
Russian Federation	641	65.0	2.8	6.5	24.2	65.0	1.2	0.3	65.3	64.6
Saudi Arabia	595	40.8	11.2	15.2	32.0	40.8	0.6	0.1	49.5	32.4
Scotland	573	22.7	26.7	9.5	37.5	22.7	3.4	0.3	20.1	25.5
Serbia	570	64.5	7.5	8.0	17.0	64.5	2.4	0.5	70.5	58.5
Singapore	661	78.5	2.6	4.8	13.3	78.5	0.6	0.1	80.2	76.7
Slovenia	569	67.2	4.1	8.3	19.7	67.2	0.3	0.3	71.1	62.8
Sweden	756	18.0	19.6	11.1	46.4	18.0	3.5	1.5	15.7	20.1
Syrian Arab Republic	665	42.4	11.2	14.1	29.3	42.4	2.5	0.5	43.9	40.7
Thailand	773	32.2	20.6	11.3	34.7	32.2	1.2	0.0	37.2	27.4
Tunisia	582	37.2	14.4	13.2	32.1	37.2	2.9	0.2	38.2	36.1
Turkey	639	32.6	17.4	11.2	35.3	32.6	3.5	0.0	32.6	32.5
Ukraine	634	53.9	8.8	13.1	22.1	53.9	2.0	0.2	59.2	48.0
United States	1055	42.1	13.1	8.8	35.1	42.1	0.5	0.4	43.4	40.8
International Avg.	641	46.6	11.5	10.3	28.9	46.6	2.1	0.6	49.2	44.0
Basque Country, Spain	317	60.8	4.2	18.3	13.8	60.8	2.7	0.2	61.9	59.7
British Columbia, Canada	605	18.4	18.9	7.9	51.7	18.4	2.8	0.2	19.7	17.1
Dubai, UAE	437	57.3	7.3	9.7	21.6	57.3	3.8	0.4	64.6	51.2
Massachusetts, US	265	41.9	11.3	12.7	32.5	41.9	1.2	0.3	40.8	42.8
Minnesota, US	257	41.4	13.5	12.6	32.0	41.4	0.5	0.0	42.0	40.9
Ontario, Canada	497	16.3	16.1	7.0	58.5	16.3	1.4	0.7	14.5	17.9
Quebec, Canada	568	25.7	14.7	9.4	48.3	25.7	1.1	0.7	27.0	24.6

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Algebra / Reasoning (M032640 - M05_03)

Label: 13 matches to make 4 squares

Type: CR Key: -

COUNTRY	N	20	10	79	OMIT TED	NOT REACH ED	V1	V2	1.GIRL %Right	2.BOY %Right
Algeria	779	1.8	1.4	68.2	25.5	3.0	3.2	1.8	1.4	2.2
Armenia	678	6.2	38.9	35.9	17.5	1.5	45.1	6.2	6.2	6.2
Australia	583	13.8	9.8	63.6	12.2	0.7	23.6	13.8	12.8	14.7
Bahrain	595	3.2	2.2	71.5	22.5	0.5	5.5	3.2	3.5	3.1
Bosnia and Herzegovina	600	1.0	15.7	53.3	29.1	0.9	16.6	1.0	1.3	0.6
Botswana	601	1.4	4.6	86.8	7.0	0.2	6.0	1.4	1.8	0.9
Bulgaria	567	5.8	19.1	46.1	27.5	1.5	24.9	5.8	6.6	5.1
Chinese Taipei	578	58.5	3.9	33.8	3.8	0.0	62.4	58.5	56.1	60.7
Colombia	697	1.6	11.2	71.2	13.2	2.7	12.9	1.6	0.6	2.8
Cyprus	628	6.3	9.5	68.6	15.5	0.1	15.8	6.3	6.3	6.3
Czech Republic	680	8.8	11.7	57.9	21.3	0.2	20.5	8.8	8.6	9.1
Egypt	943	1.8	4.5	80.5	12.9	0.4	6.3	1.8	1.8	1.8
El Salvador	578	0.9	7.5	68.9	21.5	1.1	8.5	0.9	0.6	1.3
England	555	8.8	11.0	68.5	11.2	0.4	19.9	8.8	7.8	10.0
Georgia	595	3.9	10.7	51.8	30.1	3.5	14.6	3.9	2.1	5.5
Ghana	764	1.1	2.7	71.4	24.2	0.7	3.7	1.1	1.1	1.0
Hong Kong SAR	490	11.4	10.8	68.9	8.3	0.5	22.3	11.4	11.9	11.0
Hungary	579	13.5	8.0	64.6	13.2	0.6	21.5	13.5	11.6	15.3
Indonesia	597	6.4	9.2	67.3	17.1	0.0	15.6	6.4	5.8	7.1
Iran, Islamic Rep. of	566	4.0	9.6	70.1	16.0	0.3	13.6	4.0	4.1	3.9
Israel	480	7.0	8.1	50.2	32.2	2.4	15.1	7.0	7.4	6.6
Italy	631	7.9	13.5	52.8	25.5	0.3	21.4	7.9	7.9	7.8
Japan	617	38.5	12.6	39.7	9.1	0.1	51.1	38.5	39.1	37.9
Jordan	751	4.0	7.4	77.8	10.8	0.0	11.3	4.0	3.9	4.1
Korea, Rep. of	605	44.1	12.5	41.6	1.8	0.0	56.6	44.1	43.7	44.4
Kuwait	582	1.2	2.6	66.3	28.4	1.6	3.8	1.2	1.5	0.9
Lebanon	539	2.1	4.1	76.6	17.0	0.2	6.2	2.1	1.9	2.3
Lithuania	566	5.4	11.3	65.4	17.7	0.2	16.7	5.4	4.9	5.9
Malaysia	629	9.7	5.8	68.6	14.7	1.2	15.5	9.7	9.0	10.6
Malta	655	5.4	6.6	75.9	11.9	0.2	12.0	5.4	2.9	8.1
Morocco	457	3.7	0.7	59.4	34.4	1.8	4.4	3.7	2.4	5.3
Norway	653	6.5	4.9	73.1	14.4	1.2	11.4	6.5	5.9	7.0
Oman	678	0.9	2.7	81.7	14.1	0.5	3.7	0.9	1.8	0.0
Palestinian Nat'l Auth.	623	1.7	4.7	84.3	9.1	0.1	6.4	1.7	1.4	2.0
Qatar	1005	0.2	2.0	79.3	18.1	0.5	2.2	0.2	0.2	0.2
Romania	592	4.2	13.0	57.0	25.6	0.1	17.3	4.2	4.2	4.3
Russian Federation	641	10.9	17.2	52.3	19.2	0.3	28.2	10.9	12.0	9.9
Saudi Arabia	595	0.6	1.3	80.0	17.7	0.4	1.9	0.6	0.4	0.8
Scotland	573	7.3	9.2	69.7	13.5	0.3	16.5	7.3	8.5	6.1
Serbia	574	5.2	13.7	50.6	30.0	0.5	19.0	5.2	4.3	6.2
Singapore	661	41.2	7.0	48.2	3.6	0.1	48.2	41.2	41.7	40.6
Slovenia	569	11.5	8.7	69.9	9.6	0.3	20.2	11.5	12.0	11.0
Sweden	756	16.0	10.1	56.3	16.0	1.6	26.1	16.0	16.1	15.9
Syrian Arab Republic	665	2.7	2.0	79.4	15.4	0.5	4.7	2.7	2.8	2.6
Thailand	775	5.5	21.9	63.1	9.5	0.0	27.4	5.5	6.4	4.6
Tunisia	583	1.5	7.9	64.3	26.1	0.2	9.4	1.5	0.7	2.3
Turkey	640	4.4	9.4	73.8	12.5	0.0	13.7	4.4	3.7	4.9
Ukraine	634	6.2	10.9	64.4	18.3	0.2	17.1	6.2	6.5	5.9
United States	1055	9.7	7.7	76.4	5.9	0.4	17.3	9.7	9.5	9.9
International Avg.	642	8.7	9.0	64.6	17.0	0.7	17.7	8.7	8.5	8.9
Basque Country, Spain	317	7.8	7.9	70.0	13.9	0.4	15.6	7.8	4.7	11.0
British Columbia, Canada	605	11.8	16.1	62.5	9.4	0.2	27.9	11.8	8.5	15.2
Dubai, UAE	438	5.9	6.1	71.3	16.3	0.4	12.0	5.9	3.1	8.3
Massachusetts, US	265	18.9	10.3	68.0	2.6	0.3	29.1	18.9	18.8	18.9
Minnesota, US	257	9.4	7.6	80.4	2.5	0.0	17.0	9.4	3.9	15.2
Ontario, Canada	497	15.4	13.6	64.0	6.3	0.7	29.0	15.4	17.9	13.2
Quebec, Canada	568	17.5	13.0	62.9	5.8	0.8	30.6	17.5	15.6	19.3

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Geometry / Applying (M032344 - M05_04)
 Label: Volume of folded up shape
 Type: CR Key: -

COUNTRY	N	10	79	OMIT TED	NOT	V1	1.GIRL %Right	2.BOY %Right
					REACH ED			
Algeria	781	27.0	48.1	20.2	4.7	27.0	26.1	27.7
Armenia	678	56.4	27.5	14.5	1.6	56.4	55.5	57.4
Australia	583	32.6	58.8	7.8	0.8	32.6	25.0	39.6
Bahrain	595	9.8	70.6	17.8	1.9	9.8	12.1	7.5
Bosnia and Herzegovina	600	30.3	33.9	34.4	1.5	30.3	35.8	25.3
Botswana	600	9.4	85.0	5.2	0.4	9.4	9.5	9.4
Bulgaria	567	29.5	40.6	25.8	4.2	29.5	27.5	31.3
Chinese Taipei	578	71.0	23.0	6.0	0.0	71.0	74.9	67.3
Colombia	697	6.2	70.9	19.1	3.8	6.2	4.3	8.2
Cyprus	628	19.1	52.7	27.7	0.4	19.1	19.9	18.2
Czech Republic	680	29.8	36.0	33.9	0.4	29.8	30.2	29.3
Egypt	943	13.6	75.6	9.9	0.9	13.6	17.7	9.8
El Salvador	579	4.4	68.4	25.0	2.2	4.4	4.0	5.0
England	555	35.4	53.9	10.0	0.7	35.4	34.2	36.7
Georgia	595	20.2	37.9	36.0	5.9	20.2	22.0	18.6
Ghana	764	9.5	76.0	12.3	2.3	9.5	8.2	10.5
Hong Kong SAR	490	71.1	23.6	4.5	0.7	71.1	70.0	72.3
Hungary	579	36.3	40.1	23.0	0.6	36.3	35.7	36.8
Indonesia	598	18.8	67.9	12.5	0.9	18.8	18.3	19.3
Iran, Islamic Rep. of	566	12.8	65.0	20.5	1.7	12.8	12.1	13.3
Israel	480	15.3	57.4	22.8	4.5	15.3	16.6	13.8
Italy	632	33.5	39.3	26.3	0.9	33.5	31.6	35.2
Japan	617	71.2	23.1	5.6	0.1	71.2	70.7	71.8
Jordan	751	35.4	54.8	9.0	0.8	35.4	42.7	28.9
Korea, Rep. of	605	62.9	33.7	3.3	0.2	62.9	59.9	65.5
Kuwait	582	13.2	66.7	17.0	3.0	13.2	17.2	8.4
Lebanon	539	15.3	58.5	25.9	0.3	15.3	14.0	16.8
Lithuania	566	40.9	37.5	21.0	0.5	40.9	41.6	40.3
Malaysia	629	34.0	57.8	6.7	1.6	34.0	35.9	31.5
Malta	655	54.3	37.7	7.7	0.3	54.3	54.8	53.8
Morocco	456	13.9	54.9	28.8	2.4	13.9	15.3	12.4
Norway	653	29.3	50.6	18.6	1.5	29.3	28.7	30.0
Oman	678	16.5	73.4	9.3	0.8	16.5	24.1	8.4
Palestinian Nat'l Auth.	623	22.0	70.9	6.5	0.5	22.0	26.3	17.6
Qatar	1004	7.2	79.2	12.5	1.1	7.2	8.9	5.5
Romania	592	37.0	41.3	20.6	1.2	37.0	43.9	29.3
Russian Federation	641	39.5	38.7	19.8	2.0	39.5	39.7	39.3
Saudi Arabia	595	2.3	83.5	12.6	1.7	2.3	4.0	0.6
Scotland	573	26.5	64.1	9.2	0.3	26.5	26.3	26.6
Serbia	574	37.2	30.9	30.7	1.1	37.2	42.3	32.2
Singapore	661	72.9	23.6	3.4	0.1	72.9	76.0	69.7
Slovenia	569	40.0	50.7	9.0	0.3	40.0	37.7	42.6
Sweden	756	21.3	52.2	24.3	2.2	21.3	17.6	24.8
Syrian Arab Republic	665	14.1	70.5	14.9	0.6	14.1	13.0	15.2
Thailand	775	18.2	68.5	12.6	0.8	18.2	17.2	19.1
Tunisia	583	23.0	53.6	22.8	0.6	23.0	24.3	21.6
Turkey	639	11.5	64.4	24.1	0.0	11.5	11.4	11.6
Ukraine	634	29.1	47.6	23.1	0.2	29.1	28.9	29.2
United States	1055	33.5	60.5	4.7	1.2	33.5	34.9	32.0
International Avg.	642	28.9	53.1	16.7	1.3	28.9	29.6	28.1
Basque Country, Spain	317	26.9	50.4	22.3	0.4	26.9	27.8	25.9
British Columbia, Canada	605	38.2	53.5	8.1	0.2	38.2	37.5	38.8
Dubai, UAE	438	28.9	53.3	17.1	0.7	28.9	29.1	28.6
Massachusetts, US	265	50.1	46.6	3.0	0.3	50.1	51.2	49.2
Minnesota, US	257	36.8	60.4	2.9	0.0	36.8	32.5	41.2
Ontario, Canada	497	49.5	42.5	7.2	0.7	49.5	49.6	49.4
Quebec, Canada	568	36.3	50.7	11.9	1.1	36.3	33.2	39.0

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Geometry / Applying (M032754 - M05_05)
 Label: Class Trip_Fill table with Yes/No
 Type: CR Key: -

COUNTRY	N	10	70	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	780	35.1	18.1	34.7	6.9	5.2	35.1	34.2	35.9
Armenia	678	44.6	10.0	13.0	30.6	1.7	44.6	40.0	49.0
Australia	583	80.6	8.6	7.1	2.5	1.2	80.6	77.6	83.5
Bahrain	595	36.7	18.1	33.4	9.5	2.2	36.7	41.9	31.9
Bosnia and Herzegovina	599	52.6	13.9	22.9	8.7	1.8	52.6	51.1	54.0
Botswana	602	34.4	19.0	40.3	5.8	0.4	34.4	34.4	34.4
Bulgaria	566	54.0	9.3	13.6	18.1	4.9	54.0	56.4	51.8
Chinese Taipei	578	77.3	7.9	12.1	2.6	0.0	77.3	80.6	74.3
Colombia	697	49.7	14.6	22.3	8.4	5.0	49.7	43.7	55.8
Cyprus	628	55.8	16.5	13.6	13.0	1.0	55.8	59.5	51.9
Czech Republic	680	73.1	14.0	10.0	2.4	0.4	73.1	71.2	75.1
Egypt	943	27.5	19.9	37.8	13.6	1.1	27.5	27.3	27.7
El Salvador	579	30.8	21.4	29.8	15.6	2.3	30.8	30.4	31.4
England	555	80.4	6.1	8.9	3.9	0.7	80.4	82.0	78.7
Georgia	595	42.0	10.9	15.0	24.4	7.7	42.0	43.4	40.7
Ghana	764	20.5	19.0	37.8	20.2	2.4	20.5	16.5	23.9
Hong Kong SAR	490	73.7	13.7	9.3	2.4	0.9	73.7	71.4	76.1
Hungary	579	83.8	6.4	6.7	2.1	1.0	83.8	79.6	87.8
Indonesia	598	39.7	21.9	30.4	7.1	0.9	39.7	39.3	40.1
Iran, Islamic Rep. of	567	28.2	34.2	28.4	6.7	2.4	28.2	30.5	26.3
Israel	480	50.4	14.3	17.7	12.2	5.5	50.4	53.5	46.8
Italy	632	74.4	13.8	5.6	4.4	1.8	74.4	74.3	74.5
Japan	617	87.0	4.7	7.5	0.7	0.1	87.0	88.0	86.0
Jordan	751	46.8	17.8	28.2	6.3	0.9	46.8	45.1	48.3
Korea, Rep. of	605	90.6	4.3	3.7	1.2	0.2	90.6	89.7	91.4
Kuwait	581	32.7	19.4	30.9	13.2	3.7	32.7	35.5	29.4
Lebanon	539	44.2	18.3	27.7	8.9	0.9	44.2	42.8	45.9
Lithuania	566	73.4	7.7	15.5	2.9	0.5	73.4	74.0	72.8
Malaysia	629	55.0	13.6	22.8	6.4	2.2	55.0	53.6	56.8
Malta	655	61.8	14.2	17.1	6.5	0.3	61.8	61.8	61.8
Morocco	454	37.4	20.8	25.8	12.5	3.4	37.4	35.4	39.8
Norway	653	68.0	9.1	14.5	6.7	1.6	68.0	68.9	67.1
Oman	678	31.4	25.0	32.6	10.1	0.9	31.4	37.2	25.1
Palestinian Nat'l Auth.	623	36.4	20.7	28.5	13.8	0.6	36.4	34.9	37.9
Qatar	1005	18.5	23.0	30.0	27.4	1.2	18.5	22.3	14.6
Romania	592	53.3	18.9	16.7	9.9	1.2	53.3	57.7	48.5
Russian Federation	641	69.7	10.9	9.6	7.2	2.6	69.7	67.2	72.3
Saudi Arabia	595	29.7	18.5	41.3	8.8	1.7	29.7	28.7	30.7
Scotland	573	74.5	12.0	8.8	4.5	0.3	74.5	73.5	75.5
Serbia	574	57.8	14.1	18.0	8.3	1.9	57.8	61.5	54.1
Singapore	661	75.7	10.0	12.2	1.9	0.2	75.7	72.7	78.8
Slovenia	569	83.6	6.9	7.4	1.7	0.3	83.6	83.3	84.0
Sweden	756	74.4	6.1	10.7	6.0	2.8	74.4	73.8	74.9
Syrian Arab Republic	665	35.5	22.9	26.8	14.1	0.6	35.5	35.1	36.1
Thailand	775	52.8	12.6	18.4	14.6	1.6	52.8	54.7	50.9
Tunisia	582	48.2	20.8	22.0	8.2	0.7	48.2	45.8	50.8
Turkey	640	58.3	17.3	19.5	4.5	0.4	58.3	59.0	57.8
Ukraine	634	63.5	14.9	13.4	8.0	0.3	63.5	61.8	65.4
United States	1055	82.4	7.6	7.4	1.2	1.4	82.4	81.0	84.0
International Avg.	642	54.9	14.8	19.7	8.9	1.7	54.9	54.8	54.9
Basque Country, Spain	317	76.7	7.1	11.8	3.9	0.5	76.7	79.2	74.1
British Columbia, Canada	605	85.7	5.0	5.3	3.8	0.2	85.7	84.9	86.6
Dubai, UAE	438	60.1	14.0	16.4	8.5	1.0	60.1	60.1	60.1
Massachusetts, US	265	87.1	7.1	4.0	0.7	1.1	87.1	88.2	86.3
Minnesota, US	257	85.1	7.4	7.5	0.1	0.0	85.1	88.2	81.8
Ontario, Canada	497	84.2	6.5	6.3	2.2	0.8	84.2	86.7	82.0
Quebec, Canada	568	81.9	6.6	5.9	4.1	1.5	81.9	80.1	83.5

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Number / Reasoning (M032755 - M05_06)
 Label: Class Trip_Calculations from two ads
 Type: CR Key: -

COUNTRY	N	20	10	11	70	79	OMIT TED	NOT REACH ED	V1	V2	1.GIRL %Right	2.BOY %Right
Algeria	783	1.2	3.9	1.5	12.8	54.2	19.3	7.1	6.5	1.2	1.4	1.0
Armenia	678	6.3	4.8	1.0	6.1	12.8	67.1	1.9	12.1	6.3	3.5	9.0
Australia	583	17.0	0.4	10.5	16.1	37.8	16.9	1.3	28.0	17.0	15.3	18.7
Bahrain	595	1.3	0.3	0.9	21.4	49.0	24.8	2.3	2.5	1.3	1.1	1.4
Bosnia and Herzegovina	600	1.4	0.3	1.7	7.1	35.0	52.2	2.4	3.4	1.4	0.5	2.1
Botswana	603	1.1	0.2	0.5	10.6	71.4	15.7	0.6	1.8	1.1	1.6	0.5
Bulgaria	566	6.2	0.8	4.9	10.4	22.5	49.7	5.4	11.9	6.2	5.8	6.6
Chinese Taipei	578	29.7	0.3	29.4	13.1	16.8	10.7	0.0	59.4	29.7	28.5	30.8
Colombia	697	1.2	0.1	1.9	18.7	49.6	21.7	6.7	3.2	1.2	0.3	2.2
Cyprus	628	4.9	1.5	4.7	12.9	35.7	38.9	1.4	11.1	4.9	6.7	2.9
Czech Republic	680	12.0	2.1	12.9	9.9	29.5	33.1	0.5	27.0	12.0	12.9	11.0
Egypt	943	1.1	0.5	0.8	24.6	51.0	20.4	1.7	2.4	1.1	1.6	0.6
El Salvador	579	0.4	0.6	0.5	11.3	50.0	33.7	3.5	1.5	0.4	0.0	0.9
England	555	20.0	1.4	12.7	16.1	35.2	13.9	0.7	34.1	20.0	19.0	21.0
Georgia	595	1.6	0.1	0.5	10.1	23.3	56.0	8.4	2.2	1.6	2.7	0.7
Ghana	764	0.2	0.1	0.0	4.6	44.9	45.0	5.2	0.3	0.2	0.0	0.3
Hong Kong SAR	490	22.7	1.7	24.3	11.3	27.6	11.6	0.9	48.6	22.7	22.3	23.0
Hungary	579	12.3	1.2	11.3	13.7	39.4	21.2	1.0	24.7	12.3	10.2	14.2
Indonesia	598	1.6	2.4	1.6	19.3	48.4	25.6	1.2	5.5	1.6	1.9	1.2
Iran, Islamic Rep. of	567	1.7	0.7	1.4	15.9	55.2	22.4	2.7	3.8	1.7	2.4	1.2
Israel	480	7.6	2.1	6.2	14.5	33.2	30.3	6.1	15.9	7.6	6.8	8.4
Italy	631	4.5	3.0	4.3	23.6	36.7	25.3	2.5	11.9	4.5	3.1	5.9
Japan	617	22.6	0.6	20.2	16.3	24.4	15.8	0.1	43.4	22.6	21.3	23.8
Jordan	751	1.3	0.8	1.4	22.3	57.1	15.7	1.4	3.6	1.3	1.7	0.9
Korea, Rep. of	605	23.3	0.8	22.7	19.0	31.1	2.9	0.3	46.7	23.3	19.4	26.9
Kuwait	581	0.2	1.2	0.4	14.4	52.0	27.2	4.5	1.9	0.2	0.2	0.2
Lebanon	539	1.3	0.7	1.9	10.1	47.6	36.9	1.5	3.9	1.3	0.5	2.2
Lithuania	566	10.0	1.0	10.9	10.4	31.7	35.4	0.7	21.9	10.0	9.6	10.4
Malaysia	629	8.5	0.6	5.9	9.5	45.7	26.5	3.2	15.1	8.5	9.9	6.8
Malta	655	8.4	0.2	8.9	15.9	45.9	20.4	0.3	17.5	8.4	5.6	11.4
Morocco	455	15.4	5.1	3.3	8.6	41.6	21.5	4.4	23.9	15.4	18.0	12.7
Norway	653	14.0	1.6	15.1	13.4	31.3	22.6	2.0	30.8	14.0	15.5	12.6
Oman	678	0.1	0.2	0.7	14.0	63.9	20.0	1.2	1.0	0.1	0.0	0.2
Palestinian Nat'l Auth.	.	.	.	.	.	.	.	.	.	.	.	.
Qatar	1005	0.1	0.0	0.3	11.4	52.3	33.9	2.0	0.4	0.1	0.2	0.0
Romania	592	3.1	1.1	5.3	17.2	37.5	34.4	1.5	9.5	3.1	2.9	3.2
Russian Federation	641	7.6	0.5	5.4	17.6	34.6	30.9	3.4	13.5	7.6	6.5	8.8
Saudi Arabia	595	0.1	0.3	1.5	15.5	62.1	18.8	1.7	1.8	0.1	0.2	0.0
Scotland	573	12.2	1.6	11.6	16.2	39.9	18.1	0.4	25.4	12.2	12.6	11.8
Serbia	574	4.8	1.6	1.6	12.1	22.1	55.9	2.0	8.0	4.8	4.9	4.7
Singapore	661	39.6	2.4	17.8	9.1	24.4	6.5	0.2	59.9	39.6	41.5	37.6
Slovenia	569	10.4	1.0	9.2	19.3	44.0	15.7	0.5	20.6	10.4	9.8	11.1
Sweden	756	22.9	4.2	15.4	9.5	25.1	19.6	3.2	42.6	22.9	25.9	20.1
Syrian Arab Republic	662	3.4	4.4	2.2	14.9	53.8	20.1	1.1	10.0	3.4	3.3	3.5
Thailand	775	3.7	0.7	4.8	5.0	35.4	48.6	1.8	9.3	3.7	3.2	4.2
Tunisia	582	0.6	0.2	0.6	23.0	53.2	20.7	1.7	1.3	0.6	0.8	0.3
Turkey	640	5.1	0.7	3.2	15.1	47.9	27.3	0.7	9.0	5.1	2.9	7.0
Ukraine	634	3.4	0.9	5.5	12.6	30.3	46.6	0.8	9.7	3.4	2.4	4.4
United States	1055	9.6	0.5	12.5	21.7	48.5	5.9	1.4	22.6	9.6	11.2	7.8
International Avg.	642	8.1	1.3	6.7	14.1	40.5	27.1	2.2	16.1	8.1	7.9	8.3
Basque Country, Spain	317	10.9	0.0	15.6	18.0	36.9	18.2	0.5	26.4	10.9	9.9	11.9
British Columbia, Canada	605	15.0	1.1	13.0	13.2	42.4	14.5	0.7	29.2	15.0	13.8	16.4
Dubai, UAE	438	9.3	1.0	2.2	18.0	40.0	28.1	1.4	12.5	9.3	10.9	7.9
Massachusetts, US	265	24.3	0.0	17.8	16.5	39.0	1.3	1.1	42.1	24.3	26.1	22.8
Minnesota, US	257	10.7	1.0	18.6	18.3	48.9	2.4	0.0	30.3	10.7	11.1	10.3
Ontario, Canada	497	19.5	1.0	18.1	10.2	40.6	9.3	1.2	38.7	19.5	15.9	22.7
Quebec, Canada	568	23.5	1.8	16.2	12.6	33.8	10.0	2.0	41.5	23.5	23.9	23.1

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Data and Chance / Reasoning (M032753A - M05_07A)
 Label: Class Trip_Complete table for Acton
 Type: CR Key: -

COUNTRY	N	20	10	70	79	OMIT TED	NOT REACH ED	V1	V2	1.GIRL %Right	2.BOY %Right
Algeria	786	0.2	2.4	10.4	30.6	47.6	8.7	2.6	0.2	0.2	0.2
Armenia	678	6.7	5.7	6.7	10.0	68.5	2.4	12.4	6.7	5.5	7.9
Australia	583	31.6	19.5	16.1	13.5	17.5	1.8	51.1	31.6	31.1	32.1
Bahrain	595	1.9	7.3	28.4	25.3	34.4	2.8	9.2	1.9	2.0	1.8
Bosnia and Herzegovina	600	10.6	8.9	15.6	24.1	37.5	3.3	19.5	10.6	11.8	9.5
Botswana	603	1.1	1.5	28.6	20.6	47.3	0.9	2.6	1.1	1.5	0.7
Bulgaria	567	14.4	10.7	10.3	14.6	42.9	6.9	25.1	14.4	17.3	11.9
Chinese Taipei	578	44.1	14.4	6.9	20.5	14.0	0.2	58.5	44.1	46.4	41.9
Colombia	697	6.5	10.3	27.6	16.9	29.0	9.6	16.8	6.5	4.0	9.1
Cyprus	628	9.6	12.2	6.9	33.5	35.7	1.9	21.9	9.6	10.0	9.2
Czech Republic	680	37.5	16.2	15.9	4.9	23.6	1.8	53.8	37.5	42.6	32.2
Egypt	943	0.5	5.3	6.8	31.8	53.8	1.8	5.9	0.5	0.2	0.8
El Salvador	577	2.5	7.2	10.0	33.6	41.3	5.4	9.8	2.5	0.7	4.7
England	555	36.6	21.9	19.0	6.3	14.6	1.6	58.5	36.6	37.6	35.6
Georgia	595	0.9	3.6	11.5	13.9	60.4	9.7	4.5	0.9	1.1	0.8
Ghana	764	0.2	1.5	10.8	29.5	51.3	6.7	1.7	0.2	0.3	0.2
Hong Kong SAR	490	37.8	14.4	16.0	10.6	19.8	1.4	52.2	37.8	36.4	39.4
Hungary	579	39.1	16.6	15.6	11.2	15.7	1.9	55.7	39.1	33.0	44.9
Indonesia	598	3.0	9.6	10.7	35.3	39.6	1.7	12.6	3.0	2.5	3.6
Iran, Islamic Rep. of	567	1.7	7.1	9.4	38.5	39.5	3.8	8.9	1.7	2.4	1.2
Israel	480	14.5	9.8	2.3	23.6	41.9	7.9	24.3	14.5	14.2	14.8
Italy	632	24.9	20.4	9.6	18.3	23.6	3.2	45.3	24.9	26.5	23.4
Japan	617	55.8	14.2	0.0	20.2	9.5	0.3	70.0	55.8	57.1	54.6
Jordan	751	2.4	9.7	25.8	26.5	33.6	2.0	12.1	2.4	1.7	3.0
Korea, Rep. of	605	35.4	21.0	24.1	9.6	9.6	0.3	56.3	35.4	34.8	36.0
Kuwait	581	1.2	4.0	1.8	45.4	41.4	6.2	5.2	1.2	1.4	1.0
Lebanon	539	3.8	3.8	8.8	38.1	42.9	2.7	7.6	3.8	3.6	4.0
Lithuania	566	17.7	14.9	23.9	17.4	24.4	1.7	32.6	17.7	17.1	18.3
Malaysia	629	10.7	14.7	22.9	21.1	25.4	5.1	25.4	10.7	10.9	10.5
Malta	655	19.1	12.2	23.4	17.8	26.1	1.4	31.3	19.1	18.4	19.9
Morocco	457	1.4	9.1	0.9	32.1	49.3	7.2	10.5	1.4	1.8	1.0
Norway	653	28.8	12.8	12.8	10.2	32.4	3.1	41.5	28.8	31.8	25.7
Oman	678	0.4	3.7	37.4	21.4	35.7	1.4	4.1	0.4	0.3	0.4
Palestinian Nat'l Auth.	623	1.2	3.9	12.6	32.9	47.9	1.5	5.1	1.2	1.2	1.2
Qatar	1005	0.7	1.5	16.8	19.3	59.3	2.4	2.2	0.7	0.9	0.6
Romania	592	5.9	10.4	22.4	18.4	40.7	2.3	16.2	5.9	5.1	6.7
Russian Federation	641	18.5	10.3	23.1	15.0	27.4	5.6	28.8	18.5	19.2	17.8
Saudi Arabia	595	0.6	2.8	30.8	27.2	36.4	2.2	3.5	0.6	0.5	0.8
Scotland	573	31.4	19.4	20.3	7.3	20.6	1.0	50.8	31.4	34.8	27.7
Serbia	574	11.7	11.5	15.8	19.1	36.9	4.9	23.3	11.7	14.3	9.2
Singapore	661	45.1	15.7	17.0	7.4	14.4	0.5	60.7	45.1	47.4	42.6
Slovenia	569	19.8	14.5	15.1	25.4	24.5	0.8	34.3	19.8	21.3	18.1
Sweden	756	35.2	16.1	7.3	10.6	26.3	4.5	51.4	35.2	36.6	34.0
Syrian Arab Republic	665	0.5	1.3	3.4	43.4	49.7	1.7	1.8	0.5	0.6	0.4
Thailand	775	12.0	11.1	24.3	15.1	34.9	2.6	23.2	12.0	14.1	10.0
Tunisia	583	2.3	6.4	16.0	29.2	43.0	3.1	8.7	2.3	0.9	3.8
Turkey	638	8.6	8.2	24.4	26.4	30.8	1.7	16.7	8.6	8.2	8.9
Ukraine	634	9.1	11.6	27.3	14.8	34.7	2.5	20.7	9.1	7.2	11.2
United States	1055	28.8	20.5	25.2	9.2	14.6	1.8	49.3	28.8	30.6	26.7
International Avg.	642	15.0	10.4	15.9	21.4	34.1	3.2	25.4	15.0	15.3	14.7
Basque Country, Spain	317	27.5	14.1	19.8	16.1	20.7	1.9	41.6	27.5	26.8	28.3
British Columbia, Canada	605	33.0	20.2	18.2	10.0	17.3	1.2	53.2	33.0	35.3	30.5
Dubai, UAE	438	16.6	14.2	13.3	16.7	37.6	1.6	30.8	16.6	15.6	17.5
Massachusetts, US	265	42.6	21.7	21.2	3.2	10.3	1.1	64.3	42.6	47.5	38.5
Minnesota, US	257	29.3	24.1	28.9	6.1	11.6	0.0	53.4	29.3	30.6	27.9
Ontario, Canada	497	31.3	25.7	20.0	6.6	14.7	1.8	57.0	31.3	26.5	35.5
Quebec, Canada	567	38.9	16.7	22.0	6.4	13.5	2.5	55.7	38.9	39.0	38.9

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Data and Chance / Reasoning (M032753B - M05_07B)
 Label: Class Trip_Fill table for Camford
 Type: CR Key: -

COUNTRY	N	20	21	10	70	79	OMIT TED	NOT REACH ED	V1	V2	1.GIRL %Right	2.BOY %Right
Algeria	786	0.1	0.5	1.4	8.1	39.1	40.7	10.1	1.9	0.6	0.2	0.9
Armenia	678	4.6	4.2	5.0	5.7	7.8	70.3	2.4	13.8	8.8	10.1	7.6
Australia	583	23.3	3.4	18.7	20.3	13.6	18.2	2.5	45.4	26.7	25.6	27.8
Bahrain	595	0.9	0.4	4.5	27.0	24.9	38.7	3.6	5.8	1.2	1.1	1.4
Bosnia and Herzegovina	600	6.5	0.4	11.2	13.2	23.6	40.7	4.4	18.0	6.8	5.8	7.8
Botswana	603	0.5	0.2	1.9	28.6	19.8	46.5	2.6	2.6	0.6	0.8	0.4
Bulgaria	567	8.2	2.1	10.7	12.5	15.3	43.0	8.2	21.0	10.3	10.7	9.9
Chinese Taipei	578	31.1	8.4	15.3	8.0	20.9	16.0	0.2	54.8	39.5	36.8	42.0
Colombia	697	2.6	0.1	9.3	31.1	14.0	30.4	12.4	12.1	2.7	2.0	3.5
Cyprus	628	6.0	2.1	11.2	6.8	31.6	39.4	2.9	19.3	8.1	7.7	8.5
Czech Republic	680	20.9	4.1	23.1	21.2	6.0	21.4	3.4	48.0	25.0	26.8	23.0
Egypt	943	0.3	0.0	4.5	8.3	29.0	55.2	2.8	4.8	0.3	0.1	0.4
El Salvador	577	1.0	0.0	5.8	8.3	37.2	40.0	7.6	6.8	1.0	0.3	1.8
England	555	22.8	6.2	26.7	21.0	5.3	15.9	2.1	55.7	29.0	29.5	28.5
Georgia	595	0.7	0.0	3.1	11.5	11.1	63.6	10.1	3.7	0.7	0.8	0.6
Ghana	764	0.0	0.0	0.8	12.7	26.3	52.0	8.2	0.8	0.0	0.0	0.0
Hong Kong SAR	490	24.5	3.2	19.3	19.3	11.5	20.8	1.4	47.0	27.7	29.0	26.3
Hungary	579	22.0	4.1	23.4	19.3	13.0	16.1	2.2	49.4	26.0	23.6	28.4
Indonesia	598	0.4	0.1	9.6	9.9	37.8	39.4	2.8	10.1	0.5	0.5	0.5
Iran, Islamic Rep. of	567	1.2	0.6	4.8	8.1	34.4	46.4	4.6	6.5	1.7	1.7	1.8
Israel	480	10.0	2.5	10.1	1.0	27.1	40.7	8.6	22.6	12.5	14.2	10.6
Italy	632	15.2	0.7	23.3	11.4	20.9	23.6	4.8	39.2	15.9	14.3	17.5
Japan	617	36.1	8.6	23.2	0.0	21.4	10.1	0.6	67.9	44.7	42.9	46.4
Jordan	751	0.9	0.0	9.3	25.7	22.9	37.4	3.8	10.2	0.9	0.7	1.1
Korea, Rep. of	605	25.9	7.1	23.0	21.4	10.1	12.1	0.5	56.0	33.0	30.8	35.0
Kuwait	581	0.1	0.4	3.5	1.9	41.9	44.0	8.2	4.0	0.5	0.3	0.8
Lebanon	539	2.8	0.8	2.2	8.4	37.0	45.7	3.2	5.8	3.6	3.0	4.2
Lithuania	566	9.3	1.9	17.0	27.3	16.0	26.0	2.4	28.2	11.2	10.3	12.1
Malaysia	629	5.2	1.0	14.6	24.1	23.2	25.9	6.1	20.8	6.2	6.4	6.0
Malta	655	11.5	1.2	13.9	25.2	16.3	29.8	2.0	26.7	12.8	12.9	12.6
Morocco	457	1.9	0.3	6.6	1.3	27.5	54.0	8.4	8.8	2.2	2.9	1.4
Norway	653	13.5	1.6	21.2	16.9	9.5	32.9	4.4	36.3	15.1	14.2	16.0
Oman	678	0.0	0.0	3.9	38.5	16.4	38.8	2.3	3.9	0.0	0.0	0.0
Palestinian Nat'l Auth.	623	0.6	0.2	2.2	13.7	31.9	49.6	1.9	3.0	0.8	0.9	0.8
Qatar	1005	0.4	0.0	1.1	18.2	18.0	59.5	2.7	1.5	0.4	0.2	0.6
Romania	592	6.0	0.7	9.1	18.6	17.9	43.9	3.8	15.8	6.6	6.7	6.6
Russian Federation	641	8.4	3.4	14.7	21.8	12.6	32.9	6.1	26.6	11.9	9.5	14.2
Saudi Arabia	595	0.1	0.0	1.3	29.4	25.4	40.9	2.9	1.4	0.1	0.3	0.0
Scotland	573	17.9	3.3	24.8	22.3	7.5	22.4	1.9	45.9	21.2	20.9	21.4
Serbia	574	7.5	0.1	10.4	18.0	18.0	40.5	5.4	18.1	7.7	10.7	4.6
Singapore	661	27.9	10.7	19.0	19.6	6.9	15.2	0.8	57.6	38.6	42.8	34.1
Slovenia	569	11.0	1.3	18.9	20.1	23.8	23.3	1.6	31.2	12.3	11.8	12.9
Sweden	756	23.4	3.3	20.5	10.0	11.6	24.5	6.8	47.2	26.7	25.1	28.3
Syrian Arab Republic	665	0.4	0.0	1.3	1.7	40.0	54.8	2.0	1.6	0.4	0.3	0.4
Thailand	775	4.8	0.2	12.0	31.0	15.2	33.8	3.0	17.0	5.0	4.0	6.1
Tunisia	583	0.6	0.2	7.4	15.5	29.2	42.8	4.3	8.1	0.7	1.0	0.4
Turkey	638	3.3	1.5	7.6	27.7	26.3	31.3	2.2	12.5	4.9	4.3	5.4
Ukraine	634	5.6	1.4	10.2	26.4	15.8	37.3	3.5	17.1	6.9	4.9	9.2
United States	1055	17.0	3.0	23.4	28.8	10.5	14.4	2.7	43.5	20.1	20.3	19.9
International Avg.	642	9.1	2.0	11.5	16.9	20.9	35.6	4.1	22.6	11.0	10.8	11.2
Basque Country, Spain	317	14.5	2.8	18.1	23.3	15.7	23.3	2.2	35.5	17.4	14.9	19.9
British Columbia, Canada	605	19.7	2.9	26.0	20.1	11.3	17.2	2.9	48.6	22.6	22.8	22.4
Dubai, UAE	438	9.3	3.1	17.2	14.7	18.2	35.0	2.5	29.5	12.4	10.5	14.0
Massachusetts, US	265	29.7	4.6	26.4	21.3	6.3	9.4	2.2	60.8	34.4	36.0	33.0
Minnesota, US	257	20.8	3.7	23.6	34.3	6.8	9.7	1.1	48.1	24.4	25.3	23.5
Ontario, Canada	497	19.3	3.6	28.2	21.5	11.1	13.1	3.3	51.1	22.9	19.5	25.8
Quebec, Canada	568	22.1	1.3	24.3	27.1	7.6	14.3	3.4	47.7	23.4	21.3	25.2

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Data and Chance / Knowing (M032753C - M05_07C)
 Label: Class Trip_Towns meeting conditions
 Type: CR Key: -

COUNTRY	N	10	11	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	753	1.9	5.0	57.8	25.5	9.8	6.9	6.1	7.6
Armenia	678	15.7	16.6	11.0	54.4	2.4	32.3	31.4	33.1
Australia	583	34.8	16.8	32.7	13.1	2.7	51.5	52.8	50.4
Bahrain	595	5.6	21.1	49.3	20.3	3.8	26.7	30.8	22.8
Bosnia and Herzegovina	600	19.0	9.2	36.3	31.1	4.4	28.2	28.4	28.0
Botswana	604	2.0	1.4	82.6	10.8	3.3	3.3	3.3	3.4
Bulgaria	567	15.7	7.7	29.9	38.4	8.2	23.5	25.4	21.7
Chinese Taipei	578	47.0	14.8	25.2	12.8	0.2	61.8	65.0	58.8
Colombia	697	9.1	17.3	42.2	17.8	13.7	26.4	24.9	27.9
Cyprus	628	17.2	11.1	40.6	27.7	3.4	28.3	32.8	23.6
Czech Republic	680	34.5	15.1	29.6	17.1	3.7	49.6	56.9	42.0
Egypt	943	2.9	5.1	70.9	18.0	3.0	8.0	8.8	7.2
El Salvador	579	6.4	8.2	54.5	22.7	8.2	14.6	13.2	16.3
England	555	32.9	21.3	33.2	10.6	2.1	54.2	59.5	48.7
Georgia	595	3.1	16.0	24.1	46.2	10.6	19.1	19.8	18.5
Ghana	764	1.4	1.8	52.6	35.3	8.9	3.1	3.1	3.2
Hong Kong SAR	490	31.1	23.9	32.6	11.1	1.4	55.0	58.8	50.9
Hungary	579	31.5	23.4	30.1	11.3	3.7	55.0	56.1	53.9
Indonesia	597	11.6	10.5	62.7	12.0	3.3	22.1	21.3	22.9
Iran, Islamic Rep. of	567	4.4	2.5	62.1	26.4	4.6	6.9	5.5	8.0
Israel	480	19.1	5.0	32.2	35.0	8.6	24.1	25.4	22.7
Italy	632	44.2	8.5	23.3	19.2	4.8	52.7	57.9	47.7
Japan	617	58.4	17.6	13.9	9.0	1.1	76.0	80.1	72.2
Jordan	751	8.4	1.7	71.0	15.1	3.8	10.2	11.7	8.8
Korea, Rep. of	605	42.7	25.5	25.2	6.2	0.5	68.2	73.0	63.7
Kuwait	581	2.1	1.8	63.2	24.3	8.6	3.9	5.4	2.1
Lebanon	539	8.5	8.7	39.9	39.4	3.5	17.2	14.2	20.6
Lithuania	566	13.3	24.2	33.8	25.3	3.4	37.5	40.7	34.2
Malaysia	629	8.9	8.8	58.0	17.5	6.8	17.7	16.8	18.9
Malta	655	16.8	13.8	38.3	28.4	2.7	30.7	33.3	27.9
Morocco	452	3.5	3.0	61.0	23.4	9.1	6.5	8.7	4.1
Norway	653	26.2	14.3	35.8	18.1	5.7	40.4	44.3	36.5
Oman	678	2.0	20.6	59.6	15.3	2.5	22.7	28.6	16.3
Palestinian Nat'l Auth.	623	12.7	2.0	71.8	11.5	2.0	14.7	16.0	13.3
Qatar	1005	2.5	8.7	60.7	25.3	2.7	11.2	13.2	9.2
Romania	592	11.5	5.2	50.8	28.5	3.9	16.7	15.4	18.1
Russian Federation	641	17.8	9.2	37.9	28.9	6.2	27.0	27.4	26.6
Saudi Arabia	595	1.6	4.7	77.2	13.4	3.2	6.3	8.0	4.6
Scotland	573	31.0	19.6	31.5	15.9	2.0	50.6	50.4	50.7
Serbia	573	17.9	10.3	30.0	35.8	6.0	28.2	29.9	26.5
Singapore	661	38.0	14.4	40.6	6.0	1.1	52.4	56.2	48.4
Slovenia	569	20.9	22.3	38.9	16.1	1.8	43.2	44.2	42.0
Sweden	756	36.2	11.8	28.5	16.2	7.3	48.0	51.8	44.5
Syrian Arab Republic	665	8.0	8.8	64.0	17.2	2.0	16.8	18.5	14.9
Thailand	775	14.0	14.7	51.4	16.8	3.1	28.6	33.7	23.7
Tunisia	582	9.7	6.2	59.4	20.2	4.4	16.0	14.8	17.3
Turkey	640	12.5	19.2	46.1	19.9	2.2	31.7	34.9	28.9
Ukraine	634	15.6	9.7	36.1	34.0	4.7	25.3	24.0	26.7
United States	1055	28.8	23.5	37.7	6.6	3.4	52.3	55.5	48.8
International Avg.	641	17.6	12.1	44.4	21.4	4.5	29.7	31.4	27.9
Basque Country, Spain	317	31.3	19.3	32.9	13.8	2.7	50.6	57.9	43.0
British Columbia, Canada	604	30.1	21.2	30.7	14.8	3.1	51.3	52.8	49.7
Dubai, UAE	438	16.8	7.5	48.7	24.4	2.5	24.3	24.7	24.0
Massachusetts, US	265	45.2	19.6	26.1	6.7	2.4	64.8	67.0	62.9
Minnesota, US	257	31.1	33.8	32.8	1.2	1.1	64.9	75.1	54.2
Ontario, Canada	497	32.1	22.7	31.2	10.6	3.4	54.8	55.4	54.2
Quebec, Canada	568	34.2	22.2	25.7	13.3	4.6	56.4	60.0	53.3

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Data and Chance / Reasoning (M032756 - M05_08)
 Label: Class Trip_Town meets conditions
 Type: CR Key: -

COUNTRY	N	10	11	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	755	14.4	3.6	41.3	29.3	11.5	18.0	15.8	20.1
Armenia	678	12.9	14.5	11.5	58.3	2.7	27.5	25.7	29.1
Australia	583	36.7	12.8	32.9	14.6	3.1	49.5	49.4	49.5
Bahrain	595	19.9	21.2	29.8	24.8	4.3	41.1	46.1	36.4
Bosnia and Herzegovina	600	17.9	9.4	29.1	38.8	4.8	27.3	24.9	29.4
Botswana	605	17.0	0.3	66.4	12.2	4.1	17.3	18.1	16.4
Bulgaria	567	9.6	11.7	29.3	40.7	8.7	21.4	23.9	19.0
Chinese Taipei	578	50.3	9.8	27.1	12.6	0.2	60.1	64.2	56.3
Colombia	696	18.7	12.5	33.2	20.3	15.3	31.2	27.7	34.7
Cyprus	628	20.7	9.3	32.5	33.5	4.0	30.0	33.9	26.0
Czech Republic	680	25.9	8.9	36.9	24.0	4.2	34.8	38.1	31.3
Egypt	941	15.6	19.0	39.9	22.1	3.4	34.6	36.2	33.1
El Salvador	579	16.7	15.1	36.0	22.9	9.3	31.8	31.4	32.4
England	555	38.0	17.2	30.4	12.3	2.1	55.2	59.0	51.3
Georgia	595	14.4	9.6	15.5	49.3	11.1	24.0	23.7	24.2
Ghana	764	10.9	2.6	37.3	39.0	10.3	13.5	13.9	13.2
Hong Kong SAR	490	47.9	6.9	33.9	9.7	1.6	54.8	56.1	53.3
Hungary	579	29.1	14.2	39.1	12.7	4.9	43.3	39.8	46.7
Indonesia	596	17.3	13.3	50.8	15.0	3.6	30.6	32.9	28.1
Iran, Islamic Rep. of	567	16.3	12.8	36.8	28.3	5.8	29.1	31.8	26.9
Israel	480	19.1	5.1	27.8	38.3	9.8	24.1	25.0	23.1
Italy	632	27.3	23.0	21.9	22.4	5.4	50.3	53.7	47.0
Japan	617	51.3	14.1	22.3	11.0	1.2	65.4	69.0	62.0
Jordan	751	29.6	7.8	40.1	18.1	4.5	37.3	42.5	32.8
Korea, Rep. of	605	46.2	16.9	30.1	6.4	0.5	63.1	64.5	61.8
Kuwait	581	16.3	15.2	33.0	26.1	9.4	31.5	38.4	23.1
Lebanon	539	11.4	12.6	29.1	43.0	3.9	24.0	22.2	26.0
Lithuania	566	9.4	8.1	43.3	34.2	5.0	17.5	18.8	16.3
Malaysia	629	20.9	11.3	38.4	22.1	7.4	32.2	33.3	30.8
Malta	655	23.8	11.8	28.6	32.3	3.6	35.5	38.3	32.7
Morocco	454	17.6	5.6	33.9	32.4	10.4	23.3	22.6	24.2
Norway	653	21.7	10.9	41.5	18.6	7.3	32.6	33.4	31.8
Oman	678	19.8	35.0	22.4	19.8	3.0	54.9	65.0	44.1
Palestinian Nat'l Auth.	623	21.7	8.7	52.8	14.5	2.3	30.4	32.9	27.8
Qatar	1005	13.9	8.2	48.1	26.8	3.0	22.0	28.8	15.2
Romania	592	23.8	3.5	36.2	32.1	4.3	27.4	24.1	31.0
Russian Federation	641	18.2	8.2	33.4	32.7	7.5	26.4	25.8	27.0
Saudi Arabia	595	24.2	12.8	43.1	16.4	3.5	37.0	40.2	34.0
Scotland	573	36.9	14.3	29.2	17.2	2.4	51.2	52.1	50.2
Serbia	574	19.8	10.8	22.3	40.0	7.1	30.6	29.6	31.5
Singapore	661	42.9	10.6	37.3	7.9	1.4	53.5	56.9	50.0
Slovenia	569	27.6	15.8	35.7	18.5	2.4	43.4	42.3	44.7
Sweden	756	34.8	8.8	27.1	21.3	8.1	43.6	48.6	38.9
Syrian Arab Republic	665	16.1	10.7	48.5	21.8	2.9	26.8	29.9	23.3
Thailand	775	18.6	7.2	48.5	21.9	3.8	25.8	25.7	25.8
Tunisia	582	18.9	9.7	41.6	24.2	5.5	28.7	25.7	31.9
Turkey	640	24.3	22.6	26.8	23.0	3.2	46.9	44.1	49.4
Ukraine	634	17.4	7.4	33.9	35.6	5.7	24.8	26.5	23.0
United States	1055	31.7	29.5	26.9	7.1	4.8	61.2	63.6	58.5
International Avg.	641	23.6	12.1	34.6	24.6	5.2	35.6	37.1	34.2
Basque Country, Spain	317	27.0	17.2	36.4	15.7	3.7	44.2	43.3	45.2
British Columbia, Canada	605	33.6	16.4	28.9	17.0	4.1	50.0	47.5	52.6
Dubai, UAE	438	20.8	19.3	29.2	27.7	3.0	40.0	44.1	36.6
Massachusetts, US	265	43.6	25.6	20.8	6.3	3.7	69.2	73.5	65.6
Minnesota, US	257	33.8	37.0	24.8	2.9	1.6	70.8	78.0	63.3
Ontario, Canada	497	35.4	19.7	28.0	13.2	3.7	55.1	54.6	55.5
Quebec, Canada	568	36.2	19.7	24.5	12.5	7.1	55.8	56.8	55.0

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Geometry / Applying (M032205 - M05_09)
 Label: The measure of the angle QUS
 Type: MC Key: B

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	790	57.3	8.1	57.3	7.8	10.9	3.3	12.6	54.8	59.6
Armenia	678	64.4	12.2	64.4	5.7	9.9	5.2	2.7	63.6	65.1
Australia	583	62.1	8.6	62.1	13.6	10.3	2.3	3.1	61.6	62.6
Bahrain	595	42.8	20.1	42.8	8.5	19.7	4.0	4.9	40.7	44.9
Bosnia and Herzegovina	600	55.8	11.0	55.8	10.8	13.3	3.6	5.5	50.7	60.3
Botswana	605	27.8	13.8	27.8	22.5	27.7	3.5	4.6	25.6	30.4
Bulgaria	567	51.6	15.9	51.6	12.2	7.7	3.6	9.1	49.9	53.2
Chinese Taipei	578	74.4	6.8	74.4	7.9	10.3	0.5	0.2	75.9	73.0
Colombia	697	32.3	12.9	32.3	18.9	17.7	2.1	16.1	31.6	33.0
Cyprus	628	53.8	17.5	53.8	10.5	10.9	2.8	4.5	55.2	52.3
Czech Republic	677	57.8	12.5	57.8	12.1	9.6	3.0	5.0	58.0	57.5
Egypt	941	38.6	15.2	38.6	16.1	24.3	1.6	4.1	36.2	40.9
El Salvador	579	32.5	18.9	32.5	23.9	12.5	2.8	9.4	33.2	31.8
England	555	56.3	11.8	56.3	9.7	16.6	3.3	2.4	58.0	54.5
Georgia	595	35.1	14.8	35.1	18.6	16.5	2.9	12.1	32.2	37.6
Ghana	764	26.0	15.7	26.0	24.4	19.5	3.0	11.5	25.5	26.3
Hong Kong SAR	490	69.0	9.6	69.0	7.9	9.0	2.6	2.0	68.6	69.3
Hungary	579	56.5	11.3	56.5	11.0	13.4	2.3	5.6	52.9	59.8
Indonesia	598	38.4	13.6	38.4	25.4	16.6	1.8	4.2	36.3	40.7
Iran, Islamic Rep. of	567	35.3	7.8	35.3	16.8	31.4	2.8	5.9	30.9	38.8
Israel	480	43.8	13.3	43.8	14.2	11.9	5.9	11.0	44.5	42.9
Italy	632	53.8	16.6	53.8	13.6	7.7	2.2	6.1	53.2	54.4
Japan	617	71.7	6.3	71.7	6.0	12.5	1.8	1.5	71.7	71.8
Jordan	751	49.9	10.4	49.9	16.6	15.8	2.4	5.0	50.6	49.2
Korea, Rep. of	605	79.6	9.5	79.6	4.3	5.8	0.5	0.5	78.5	80.5
Kuwait	581	40.2	18.1	40.2	18.1	11.1	2.5	10.1	38.3	42.4
Lebanon	535	66.1	11.5	66.1	6.1	7.6	4.6	4.1	62.7	69.9
Lithuania	566	52.8	16.5	52.8	12.6	10.1	2.3	5.7	52.2	53.5
Malaysia	629	52.0	11.2	52.0	14.3	12.8	1.6	8.1	50.5	53.9
Malta	651	54.3	16.9	54.3	7.4	16.0	1.3	4.0	54.3	54.2
Morocco	456	44.9	9.0	44.9	20.2	11.3	3.0	11.5	40.2	50.5
Norway	653	66.9	6.7	66.9	6.4	9.1	3.1	7.8	69.5	64.3
Oman	678	38.6	12.8	38.6	16.5	26.3	2.4	3.4	37.4	40.0
Palestinian Nat'l Auth.	623	43.9	15.3	43.9	17.0	20.2	1.1	2.6	42.5	45.3
Qatar	1005	42.6	14.4	42.6	20.6	16.9	2.2	3.2	42.9	42.3
Romania	592	48.5	18.0	48.5	15.0	11.2	2.2	5.1	47.0	50.1
Russian Federation	641	55.5	14.0	55.5	11.7	6.5	4.4	7.9	52.3	58.7
Saudi Arabia	593	39.4	12.0	39.4	22.6	19.4	2.7	3.8	38.5	40.2
Scotland	573	52.2	11.5	52.2	14.3	17.5	2.1	2.4	48.7	56.0
Serbia	572	57.6	14.8	57.6	9.7	9.4	1.0	7.6	59.1	56.1
Singapore	661	67.0	18.0	67.0	5.0	7.8	0.6	1.6	65.8	68.1
Slovenia	569	63.5	10.7	63.5	7.5	13.9	1.7	2.6	61.0	66.4
Sweden	756	55.2	7.9	55.2	11.4	13.9	2.5	9.2	54.5	55.9
Syrian Arab Republic	665	50.8	16.0	50.8	14.4	13.2	1.9	3.6	47.1	55.0
Thailand	775	61.3	11.1	61.3	11.6	10.2	1.9	3.9	61.4	61.1
Tunisia	583	60.8	12.9	60.8	7.3	8.3	4.3	6.3	57.1	64.9
Turkey	640	35.1	8.4	35.1	26.9	21.4	4.5	3.7	33.2	36.8
Ukraine	634	50.0	13.4	50.0	15.0	13.2	2.1	6.3	47.1	53.3
United States	1055	60.2	10.1	60.2	9.8	13.3	1.8	4.8	57.6	63.1
International Avg.	642	51.5	12.8	51.5	13.5	13.9	2.6	5.7	50.2	52.9
Basque Country, Spain	317	59.9	11.3	59.9	10.6	10.4	3.1	4.7	61.0	58.7
British Columbia, Canada	605	68.4	8.7	68.4	8.1	8.7	1.6	4.4	68.3	68.5
Dubai, UAE	438	54.6	13.3	54.6	10.2	14.9	3.8	3.2	49.8	58.7
Massachusetts, US	265	61.9	13.1	61.9	7.2	13.0	1.1	3.7	60.9	62.6
Minnesota, US	257	63.5	11.8	63.5	8.7	14.0	0.4	1.6	64.5	62.5
Ontario, Canada	497	71.8	8.1	71.8	5.7	8.5	1.6	4.3	75.4	68.7
Quebec, Canada	568	61.7	17.7	61.7	2.7	7.7	2.8	7.4	59.8	63.4

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Algebra / Applying (M032163 - M05_10)
 Label: Relation between x and y in a table
 Type: MC Key: C

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	790	18.5	17.3	28.2	18.5	13.9	8.4	13.7	16.0	20.9
Armenia	675	54.8	10.0	19.7	54.8	6.2	6.4	2.8	55.0	54.6
Australia	583	52.1	8.9	22.6	52.1	8.2	4.0	4.3	44.7	59.0
Bahrain	595	29.7	18.9	28.3	29.7	14.2	3.2	5.8	31.5	28.0
Bosnia and Herzegovina	600	39.0	11.5	23.1	39.0	6.4	13.5	6.4	38.9	39.2
Botswana	605	17.7	15.9	34.7	17.7	21.3	2.5	8.0	16.9	18.6
Bulgaria	567	37.5	9.3	27.3	37.5	8.5	7.5	9.9	36.0	38.9
Chinese Taipei	578	74.3	4.6	14.9	74.3	5.7	0.1	0.4	74.9	73.8
Colombia	697	23.5	17.5	26.6	23.5	12.2	3.6	16.6	24.0	23.0
Cyprus	628	34.3	20.2	25.2	34.3	10.4	4.2	5.7	34.9	33.6
Czech Republic	676	32.4	12.8	24.9	32.4	11.1	12.4	6.4	31.5	33.2
Egypt	939	33.1	18.4	29.0	33.1	13.1	2.1	4.3	34.8	31.5
El Salvador	579	20.6	17.6	33.5	20.6	11.4	6.9	10.0	21.4	19.7
England	555	54.5	9.4	21.1	54.5	8.0	2.9	4.1	55.3	53.6
Georgia	595	29.2	16.2	25.1	29.2	10.9	6.2	12.4	21.6	35.9
Ghana	764	24.7	19.1	23.9	24.7	15.9	3.4	13.0	21.0	27.8
Hong Kong SAR	490	63.9	6.2	18.0	63.9	6.4	1.2	4.4	64.8	62.9
Hungary	579	59.6	5.8	16.3	59.6	7.7	4.5	6.0	64.6	54.9
Indonesia	598	27.2	12.4	35.7	27.2	14.9	4.7	5.1	25.1	29.4
Iran, Islamic Rep. of	565	31.0	19.9	25.7	31.0	13.9	3.3	6.2	31.2	30.9
Israel	480	33.0	13.8	21.2	33.0	10.3	8.6	13.1	33.0	33.0
Italy	631	36.4	15.3	21.9	36.4	10.0	9.7	6.7	30.6	41.9
Japan	617	62.9	6.2	18.9	62.9	7.6	1.7	2.7	65.7	60.3
Jordan	751	44.4	10.1	26.7	44.4	10.8	2.0	6.0	47.6	41.6
Korea, Rep. of	605	77.6	3.6	12.9	77.6	5.2	0.0	0.6	77.8	77.5
Kuwait	581	35.3	16.1	22.4	35.3	10.9	3.9	11.4	37.3	33.0
Lebanon	533	30.1	13.6	29.0	30.1	13.6	9.2	4.5	28.0	32.5
Lithuania	562	40.1	12.8	25.1	40.1	9.3	5.2	7.4	41.7	38.6
Malaysia	629	28.2	13.9	32.8	28.2	11.5	4.7	8.9	27.8	28.8
Malta	652	40.7	15.2	23.3	40.7	10.9	5.6	4.4	37.5	44.1
Morocco	454	22.9	14.7	32.1	22.9	10.4	8.3	11.6	20.2	26.0
Norway	653	25.1	19.8	26.6	25.1	8.3	11.1	9.1	24.2	26.1
Oman	678	34.3	17.7	29.2	34.3	13.5	1.6	3.7	42.1	25.9
Palestinian Nat'l Auth.	623	28.4	15.4	36.2	28.4	14.5	2.5	3.1	28.6	28.1
Qatar	1005	23.4	21.6	33.1	23.4	15.7	2.3	3.8	21.4	25.4
Romania	591	35.2	14.9	26.7	35.2	11.0	6.5	5.8	36.6	33.7
Russian Federation	641	50.8	12.5	16.8	50.8	4.8	5.4	9.8	48.6	52.9
Saudi Arabia	595	20.5	19.5	35.2	20.5	16.7	3.2	4.8	16.4	24.4
Scotland	573	43.6	11.9	27.4	43.6	8.5	5.7	3.0	41.8	45.4
Serbia	552	45.6	11.5	18.6	45.6	6.8	10.2	7.3	52.1	39.3
Singapore	661	74.5	4.8	13.5	74.5	4.8	0.6	1.8	74.2	74.8
Slovenia	569	42.3	12.2	27.0	42.3	9.8	5.4	3.2	43.0	41.6
Sweden	756	32.1	12.1	26.9	32.1	8.9	10.0	10.0	31.9	32.3
Syrian Arab Republic	665	28.7	21.8	31.2	28.7	11.7	2.6	4.1	27.4	30.1
Thailand	775	35.0	16.1	27.4	35.0	13.4	3.7	4.4	34.9	35.0
Tunisia	583	22.3	19.8	27.3	22.3	11.2	11.3	8.0	22.2	22.5
Turkey	640	32.8	23.2	24.4	32.8	10.8	4.3	4.4	31.7	33.8
Ukraine	634	41.5	14.6	19.6	41.5	12.1	4.8	7.4	39.7	43.5
United States	1055	58.3	10.9	16.5	58.3	7.4	1.1	5.7	59.5	57.0
International Avg.	641	38.4	14.0	25.2	38.4	10.6	5.1	6.6	38.1	38.7
Basque Country, Spain	317	43.0	8.9	21.7	43.0	12.0	8.5	6.0	41.5	44.6
British Columbia, Canada	605	51.3	8.3	22.7	51.3	9.6	2.9	5.3	47.2	55.7
Dubai, UAE	437	47.0	11.2	25.0	47.0	11.3	2.2	3.2	48.9	45.5
Massachusetts, US	265	75.9	3.6	10.6	75.9	5.0	0.9	4.0	78.4	73.8
Minnesota, US	257	69.0	4.5	13.4	69.0	10.4	0.7	2.0	71.6	66.4
Ontario, Canada	497	56.4	10.0	17.3	56.4	8.8	2.8	4.8	57.5	55.4
Quebec, Canada	568	50.9	7.1	19.5	50.9	9.7	4.1	8.7	48.0	53.5

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Number / Knowing (M042032 - M06_01)
 Label: Write equivalent fraction for 0.125
 Type: MC Key: B

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	784	79.5	10.1	79.5	5.7	0.6	3.0	1.1	81.3	77.8
Armenia	665	66.5	16.4	66.5	5.0	5.6	5.9	0.5	63.9	69.6
Australia	582	61.7	30.9	61.7	4.0	1.8	1.5	0.0	59.5	63.9
Bahrain	594	64.2	27.4	64.2	6.0	1.5	0.7	0.2	71.9	56.6
Bosnia and Herzegovina	605	74.7	20.2	74.7	1.6	0.6	2.7	0.2	74.0	75.4
Botswana	600	52.7	39.1	52.7	4.3	2.1	1.0	0.7	56.4	48.5
Bulgaria	568	67.0	24.4	67.0	3.7	2.3	2.1	0.5	66.7	67.2
Chinese Taipei	575	90.4	6.4	90.4	2.0	0.9	0.4	0.0	91.4	89.4
Colombia	684	33.5	42.1	33.5	13.8	3.8	4.8	2.0	31.9	35.3
Cyprus	626	64.1	23.1	64.1	9.0	2.5	0.9	0.3	65.1	63.1
Czech Republic	686	78.1	19.6	78.1	1.7	0.3	0.2	0.1	81.2	75.2
Egypt	941	69.5	21.8	69.5	5.0	2.8	0.8	0.0	73.2	66.1
El Salvador	581	41.0	41.1	41.0	8.5	4.2	3.8	1.3	42.9	38.8
England	560	54.9	34.9	54.9	5.3	3.5	1.0	0.4	51.7	58.1
Georgia	586	65.4	22.8	65.4	5.7	2.4	3.2	0.4	69.3	62.4
Ghana	749	39.8	45.2	39.8	8.5	3.2	3.0	0.1	37.7	41.7
Hong Kong SAR	493	81.2	11.4	81.2	4.6	2.1	0.7	0.0	83.4	79.0
Hungary	585	77.9	17.8	77.9	3.1	0.4	0.6	0.1	78.0	77.8
Indonesia	601	67.2	23.8	67.2	6.5	1.8	0.8	0.0	68.4	66.0
Iran, Islamic Rep. of	561	52.6	37.8	52.6	6.1	1.9	1.6	0.1	61.8	45.4
Israel	461	69.1	21.9	69.1	4.2	2.4	2.3	0.1	69.2	68.9
Italy	640	71.1	21.5	71.1	4.0	0.5	2.5	0.4	69.7	72.5
Japan	618	81.6	13.0	81.6	3.4	0.5	1.5	0.1	81.7	81.4
Jordan	754	69.6	22.7	69.6	5.1	1.9	0.4	0.3	69.1	70.0
Korea, Rep. of	605	96.7	2.5	96.7	0.8	0.0	0.0	0.0	95.8	97.5
Kuwait	586	60.4	26.8	60.4	8.4	1.5	2.9	0.0	66.4	53.0
Lebanon	538	83.7	10.7	83.7	1.4	1.6	2.5	0.1	81.9	85.8
Lithuania	555	84.2	11.8	84.2	3.0	0.4	0.6	0.0	85.2	83.0
Malaysia	638	83.2	11.9	83.2	3.6	0.6	0.6	0.2	86.3	79.1
Malta	667	74.9	19.8	74.9	3.1	1.0	1.1	0.2	75.0	74.7
Morocco	448	69.4	17.8	69.4	6.6	4.8	1.3	0.2	70.0	69.0
Norway	665	68.9	20.8	68.9	4.4	2.4	3.5	0.1	72.7	65.3
Oman	676	58.2	32.4	58.2	5.9	2.2	1.2	0.1	68.9	46.8
Palestinian Nat'l Auth.	619	59.0	28.9	59.0	8.2	3.2	0.7	0.0	64.8	53.0
Qatar	1027	52.5	35.4	52.5	7.3	2.6	1.8	0.4	53.4	51.5
Romania	595	67.9	24.4	67.9	6.4	1.1	0.2	0.0	73.8	61.7
Russian Federation	638	82.8	14.0	82.8	2.9	0.1	0.2	0.0	84.3	81.4
Saudi Arabia	595	45.9	37.8	45.9	13.6	0.4	2.2	0.0	47.8	44.1
Scotland	583	60.4	31.3	60.4	4.0	2.3	1.3	0.7	57.2	63.7
Serbia	569	75.8	18.3	75.8	4.7	0.2	0.9	0.0	76.8	74.8
Singapore	653	93.3	4.5	93.3	1.2	1.0	0.0	0.0	94.5	92.0
Slovenia	568	74.4	18.6	74.4	5.1	0.9	0.9	0.0	73.9	74.9
Sweden	748	78.6	17.1	78.6	2.8	0.9	0.3	0.2	78.3	78.9
Syrian Arab Republic	661	56.9	31.0	56.9	7.9	2.8	1.5	0.0	55.8	58.0
Thailand	773	65.6	30.2	65.6	3.0	0.6	0.5	0.0	69.9	61.3
Tunisia	575	79.5	13.4	79.5	3.0	1.2	2.4	0.5	78.0	81.0
Turkey	651	64.0	27.2	64.0	6.3	2.0	0.4	0.0	62.0	65.6
Ukraine	626	69.3	26.0	69.3	2.4	1.7	0.6	0.0	70.0	68.3
United States	1047	74.2	17.8	74.2	3.9	2.9	0.7	0.5	76.8	71.6
International Avg.	641	68.4	23.0	68.4	5.0	1.8	1.5	0.2	69.8	67.1
Basque Country, Spain	324	82.2	11.8	82.2	3.9	0.5	1.3	0.1	90.3	74.2
British Columbia, Canada	606	74.1	18.3	74.1	3.8	2.3	1.0	0.4	74.4	73.8
Dubai, UAE	445	76.4	15.6	76.4	5.0	1.7	1.3	0.0	74.4	78.1
Massachusetts, US	274	79.2	13.4	79.2	5.0	0.7	1.1	0.6	79.0	79.3
Minnesota, US	262	83.6	8.3	83.6	5.4	2.2	0.5	0.0	87.2	78.6
Ontario, Canada	496	74.5	17.8	74.5	4.2	2.1	0.8	0.7	72.3	76.8
Quebec, Canada	565	76.4	16.6	76.4	2.5	3.0	1.0	0.5	78.6	74.2

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Number / Applying (M042031 - M06_02)
 Label: Equivalent expression
 Type: MC Key: A

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	784	50.0	50.0	23.6	9.1	7.3	8.2	1.6	54.3	45.9
Armenia	666	63.1	63.1	13.0	8.9	5.7	8.7	0.6	62.4	63.9
Australia	583	37.4	37.4	29.0	22.8	5.5	5.4	0.0	34.9	39.8
Bahrain	594	24.2	24.2	36.7	21.0	13.7	4.0	0.4	23.4	25.1
Bosnia and Herzegovina	605	44.6	44.6	26.3	8.7	5.1	14.9	0.4	45.1	44.1
Botswana	600	26.6	26.6	48.7	11.5	8.3	4.2	0.7	26.1	27.2
Bulgaria	568	44.1	44.1	23.8	11.8	6.8	13.0	0.5	44.5	43.8
Chinese Taipei	575	79.7	79.7	6.9	10.4	2.4	0.6	0.0	81.6	78.0
Colombia	684	26.1	26.1	32.3	13.7	11.1	14.2	2.6	26.7	25.5
Cyprus	626	42.2	42.2	26.6	20.7	7.2	3.1	0.3	40.6	43.8
Czech Republic	686	42.4	42.4	32.0	13.6	4.1	7.8	0.1	44.6	40.2
Egypt	941	42.3	42.3	30.3	15.4	8.9	3.0	0.0	43.9	40.9
El Salvador	581	25.5	25.5	35.0	11.0	12.6	14.4	1.4	24.6	26.5
England	560	42.7	42.7	26.4	24.1	3.7	2.7	0.4	39.7	45.7
Georgia	586	39.6	39.6	28.8	9.4	14.2	7.6	0.4	36.1	42.4
Ghana	749	28.4	28.4	50.3	8.1	8.7	4.3	0.1	27.2	29.5
Hong Kong SAR	493	70.4	70.4	13.3	11.1	4.8	0.4	0.0	69.1	71.7
Hungary	585	53.7	53.7	22.7	11.5	3.4	8.6	0.1	49.4	57.7
Indonesia	601	32.0	32.0	40.7	18.3	6.1	2.6	0.2	33.9	30.2
Iran, Islamic Rep. of	561	26.9	26.9	45.4	16.0	7.8	3.8	0.1	30.3	24.2
Israel	461	47.6	47.6	20.0	17.1	5.3	9.9	0.1	48.0	47.1
Italy	638	37.6	37.6	27.8	16.7	6.8	10.7	0.4	34.7	40.4
Japan	618	67.2	67.2	13.9	13.2	4.2	1.5	0.1	68.2	66.3
Jordan	754	36.1	36.1	33.6	18.3	9.4	2.3	0.3	36.2	36.0
Korea, Rep. of	605	81.4	81.4	8.0	5.3	5.0	0.3	0.0	82.2	80.6
Kuwait	586	25.2	25.2	45.6	12.6	12.6	4.0	0.0	26.5	23.6
Lebanon	540	59.1	59.1	23.6	7.0	5.7	4.5	0.1	59.2	59.0
Lithuania	555	52.7	52.7	26.8	8.4	6.1	6.0	0.0	55.6	49.3
Malaysia	638	51.0	51.0	27.8	13.4	5.6	2.0	0.2	52.9	48.6
Malta	668	52.7	52.7	20.6	15.3	4.2	7.0	0.2	52.9	52.5
Morocco	447	28.0	28.0	29.9	17.0	14.5	10.4	0.2	27.1	29.3
Norway	665	39.8	39.8	24.2	14.1	6.8	15.0	0.1	42.7	37.1
Oman	676	39.5	39.5	25.1	17.0	13.1	5.1	0.1	44.4	34.2
Palestinian Nat'l Auth.	619	30.2	30.2	31.8	17.3	18.7	1.9	0.0	34.0	26.2
Qatar	1027	39.2	39.2	32.3	12.9	12.6	2.7	0.4	41.6	36.7
Romania	595	55.2	55.2	23.6	7.4	8.8	4.9	0.0	62.8	47.2
Russian Federation	638	55.9	55.9	23.1	8.7	6.4	5.9	0.0	54.0	57.7
Saudi Arabia	595	42.5	42.5	30.1	12.7	10.8	4.0	0.0	40.6	44.2
Scotland	583	30.7	30.7	29.5	26.2	5.3	7.5	0.9	27.4	33.9
Serbia	565	51.4	51.4	18.8	11.5	5.4	12.8	0.0	57.7	45.3
Singapore	653	75.3	75.3	10.0	10.5	4.0	0.2	0.0	73.5	77.4
Slovenia	568	43.6	43.6	31.6	14.0	5.6	5.2	0.0	42.3	44.9
Sweden	748	53.5	53.5	24.5	13.4	4.7	3.7	0.2	52.8	54.0
Syrian Arab Republic	661	32.6	32.6	38.5	12.8	11.0	5.1	0.0	31.2	34.2
Thailand	773	39.2	39.2	33.8	17.7	7.7	1.6	0.0	39.9	38.6
Tunisia	575	38.9	38.9	26.8	10.5	15.1	8.2	0.5	34.2	43.3
Turkey	651	43.4	43.4	23.6	21.0	9.7	2.3	0.0	39.6	46.7
Ukraine	626	46.7	46.7	26.9	10.0	10.1	6.3	0.0	45.7	48.0
United States	1047	51.8	51.8	23.8	18.3	4.3	1.3	0.5	55.4	48.1
International Avg.	641	44.7	44.7	27.5	13.8	7.9	5.8	0.3	44.9	44.4
Basque Country, Spain	324	69.9	69.9	12.2	12.5	1.4	3.8	0.1	74.9	64.9
British Columbia, Canada	606	56.1	56.1	18.1	19.8	3.0	2.3	0.7	55.0	57.5
Dubai, UAE	445	48.9	48.9	24.3	13.9	9.0	3.9	0.0	52.4	46.0
Massachusetts, US	274	66.7	66.7	13.2	13.4	4.8	1.3	0.6	68.7	64.8
Minnesota, US	262	71.1	71.1	12.7	13.0	2.0	1.2	0.0	72.2	69.6
Ontario, Canada	496	50.7	50.7	18.6	24.3	2.8	2.9	0.7	47.0	54.6
Quebec, Canada	565	70.7	70.7	13.0	12.4	1.3	2.0	0.6	76.7	64.7

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Number / Reasoning (M042186 - M06_03)
 Label: What is the next line in the pattern
 Type: CR Key: -

COUNTRY	N	10	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	763	8.9	57.0	32.1	2.0	8.9	10.2	7.6
Armenia	671	62.6	22.4	14.4	0.6	62.6	64.2	60.6
Australia	583	55.3	41.0	3.7	0.0	55.3	50.0	60.6
Bahrain	594	23.6	59.0	16.9	0.4	23.6	23.9	23.3
Bosnia and Herzegovina	605	33.4	47.2	19.0	0.4	33.4	32.9	34.0
Botswana	600	14.2	79.7	5.4	0.7	14.2	14.3	14.0
Bulgaria	568	48.8	35.6	15.1	0.5	48.8	49.4	48.2
Chinese Taipei	575	76.1	16.5	7.3	0.0	76.1	76.1	76.2
Colombia	684	11.4	68.8	16.4	3.4	11.4	7.3	15.8
Cyprus	626	30.9	56.9	11.9	0.3	30.9	34.6	27.1
Czech Republic	686	49.2	38.9	11.9	0.1	49.2	47.0	51.3
Egypt	940	25.9	63.8	10.3	0.0	25.9	30.7	21.4
El Salvador	581	5.4	70.2	23.0	1.4	5.4	5.3	5.6
England	560	17.2	80.0	2.4	0.4	17.2	15.8	18.5
Georgia	586	36.1	44.3	19.2	0.5	36.1	38.1	34.4
Ghana	749	9.5	70.5	19.9	0.1	9.5	7.3	11.5
Hong Kong SAR	493	74.6	19.0	6.4	0.0	74.6	75.7	73.5
Hungary	585	63.1	31.6	5.2	0.1	63.1	56.6	69.1
Indonesia	600	3.5	79.5	16.7	0.3	3.5	4.6	2.3
Iran, Islamic Rep. of	561	18.3	57.6	23.9	0.2	18.3	21.0	16.2
Israel	461	48.8	39.7	11.4	0.1	48.8	49.3	48.1
Italy	640	42.2	38.7	18.7	0.4	42.2	40.7	43.6
Japan	618	73.2	20.9	5.8	0.1	73.2	75.6	71.0
Jordan	754	37.6	54.8	7.3	0.3	37.6	35.1	39.8
Korea, Rep. of	605	69.1	28.0	2.9	0.0	69.1	68.2	69.9
Kuwait	586	13.6	58.9	27.3	0.2	13.6	15.7	11.1
Lebanon	540	26.8	50.5	22.5	0.1	26.8	22.6	31.9
Lithuania	555	41.2	39.1	19.7	0.0	41.2	36.8	46.3
Malaysia	637	37.7	49.1	13.0	0.2	37.7	37.3	38.3
Malta	665	57.1	38.7	4.0	0.2	57.1	55.4	58.9
Morocco	451	15.8	56.9	26.8	0.6	15.8	19.1	11.9
Norway	665	38.0	53.5	8.2	0.3	38.0	34.9	40.9
Oman	674	21.8	68.4	9.6	0.1	21.8	29.7	13.5
Palestinian Nat'l Auth.	619	9.6	81.9	8.4	0.0	9.6	13.0	6.2
Qatar	1027	15.2	71.0	13.3	0.4	15.2	16.6	13.9
Romania	595	43.8	47.3	8.9	0.0	43.8	46.7	40.9
Russian Federation	638	53.1	34.8	12.1	0.0	53.1	50.1	55.8
Saudi Arabia	595	6.5	81.1	12.5	0.0	6.5	5.5	7.4
Scotland	583	42.1	53.8	3.2	0.9	42.1	40.6	43.6
Serbia	569	50.0	34.4	15.6	0.0	50.0	52.4	47.7
Singapore	653	79.8	19.7	0.6	0.0	79.8	78.9	80.7
Slovenia	568	54.6	36.2	9.2	0.0	54.6	54.6	54.7
Sweden	748	38.5	53.0	8.2	0.2	38.5	34.2	42.3
Syrian Arab Republic	661	12.8	66.7	20.6	0.0	12.8	11.9	13.7
Thailand	773	27.7	61.8	10.5	0.0	27.7	28.3	27.0
Tunisia	575	14.2	59.2	25.5	1.1	14.2	14.3	14.2
Turkey	651	34.1	55.3	10.7	0.0	34.1	36.0	32.4
Ukraine	626	38.5	45.6	15.9	0.0	38.5	39.6	37.2
United States	1047	54.8	43.4	1.2	0.6	54.8	55.4	54.2
International Avg.	641	36.0	50.7	12.9	0.4	36.0	36.0	36.1
Basque Country, Spain	324	55.3	33.2	10.7	0.9	55.3	58.0	52.6
British Columbia, Canada	606	61.4	35.8	2.2	0.7	61.4	58.2	65.0
Dubai, UAE	443	54.1	39.3	6.2	0.4	54.1	56.4	52.2
Massachusetts, US	274	66.9	30.5	2.0	0.6	66.9	66.0	67.7
Minnesota, US	262	65.3	34.2	0.5	0.0	65.3	67.2	62.5
Ontario, Canada	496	54.4	42.3	2.6	0.7	54.4	52.3	56.6
Quebec, Canada	565	59.4	36.1	3.7	0.7	59.4	57.9	61.0

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Number / Knowing (M042059 - M06_04)
 Label: Complete the missing boxes
 Type: CR Key: -

COUNTRY	N	20	10	11	79	OMIT TED	NOT REACH ED	V1	V2	1.GIRL %Right	2.BOY %Right
Algeria	762	22.5	15.2	2.6	44.8	12.8	2.1	40.3	22.5	21.7	23.4
Armenia	671	26.4	16.1	2.5	33.1	20.9	0.9	45.0	26.4	24.4	28.8
Australia	583	45.8	28.5	0.6	22.7	2.3	0.0	75.0	45.8	38.7	53.0
Bahrain	594	12.4	19.7	0.5	63.0	3.7	0.7	32.6	12.4	6.6	18.0
Bosnia and Herzegovina	605	24.5	20.3	1.0	43.9	9.9	0.4	45.8	24.5	20.9	28.3
Botswana	600	37.1	16.5	3.7	39.6	2.0	1.1	57.3	37.1	43.8	29.3
Bulgaria	568	29.4	20.1	2.5	39.1	8.3	0.7	52.0	29.4	23.7	35.0
Chinese Taipei	575	66.5	9.8	1.4	20.9	1.4	0.0	77.7	66.5	64.2	68.6
Colombia	684	11.2	12.4	1.5	64.8	5.9	4.1	25.2	11.2	4.6	18.2
Cyprus	626	37.3	19.9	2.0	34.3	6.2	0.3	59.2	37.3	32.0	42.7
Czech Republic	686	46.4	24.1	2.3	24.0	3.1	0.1	72.8	46.4	41.5	51.2
Egypt	941	10.8	14.2	0.9	68.8	5.3	0.0	25.9	10.8	10.0	11.5
El Salvador	581	7.5	13.9	0.6	62.2	13.4	2.4	22.0	7.5	3.0	12.7
England	560	50.7	26.2	1.8	19.7	1.2	0.4	78.8	50.7	45.8	55.6
Georgia	586	19.2	13.7	2.3	43.6	20.7	0.5	35.2	19.2	17.4	20.5
Ghana	749	8.6	8.2	0.8	71.0	10.6	0.8	17.7	8.6	8.2	9.0
Hong Kong SAR	493	67.7	14.1	0.8	14.4	3.0	0.0	82.6	67.7	69.4	65.9
Hungary	585	51.6	15.3	2.6	25.7	4.7	0.1	69.5	51.6	44.5	58.1
Indonesia	601	16.6	17.4	3.2	58.9	3.6	0.3	37.2	16.6	12.7	20.2
Iran, Islamic Rep. of	561	13.8	16.4	1.9	61.4	6.1	0.5	32.1	13.8	10.2	16.6
Israel	461	36.2	21.4	2.4	29.4	10.2	0.4	60.0	36.2	31.2	42.5
Italy	640	33.9	17.5	3.0	37.4	7.5	0.6	54.4	33.9	25.5	42.1
Japan	618	60.8	15.0	1.4	20.6	2.1	0.1	77.2	60.8	57.1	64.1
Jordan	754	19.7	12.0	1.5	62.1	4.1	0.6	33.2	19.7	15.8	23.2
Korea, Rep. of	605	69.3	9.6	1.4	19.2	0.5	0.0	80.2	69.3	64.0	74.1
Kuwait	586	5.7	16.2	1.6	70.6	5.6	0.3	23.5	5.7	3.0	9.1
Lebanon	541	37.5	15.1	0.8	34.9	11.1	0.7	53.4	37.5	34.5	41.0
Lithuania	555	53.0	17.5	1.5	23.9	4.2	0.0	72.0	53.0	46.2	61.0
Malaysia	638	54.9	8.6	1.1	31.5	3.4	0.5	64.6	54.9	57.3	51.8
Malta	666	56.4	19.6	0.9	21.0	1.9	0.2	76.9	56.4	56.4	56.3
Morocco	451	9.0	6.3	0.7	64.7	18.5	0.8	16.0	9.0	5.6	13.2
Norway	665	33.6	28.4	6.6	27.5	3.6	0.3	68.6	33.6	29.3	37.6
Oman	676	5.2	8.5	3.4	76.7	6.0	0.3	17.0	5.2	5.9	4.4
Palestinian Nat'l Auth.	619	12.7	9.7	2.1	72.3	3.2	0.0	24.5	12.7	13.0	12.4
Qatar	1027	6.8	11.8	1.3	72.0	7.7	0.4	19.9	6.8	6.0	7.6
Romania	595	33.5	21.2	2.5	40.1	2.8	0.0	57.2	33.5	34.5	32.5
Russian Federation	638	42.4	15.1	2.6	33.1	5.8	0.9	60.1	42.4	39.6	45.0
Saudi Arabia	595	6.2	11.7	0.0	76.5	5.6	0.0	17.9	6.2	3.1	9.1
Scotland	583	44.5	29.0	1.7	21.9	2.1	0.9	75.2	44.5	39.3	49.7
Serbia	569	33.3	21.0	1.1	37.1	7.5	0.0	55.5	33.3	29.8	36.7
Singapore	653	82.9	8.5	1.1	7.1	0.4	0.0	92.5	82.9	84.3	81.2
Slovenia	568	43.7	22.2	2.4	28.2	3.4	0.0	68.3	43.7	38.6	49.2
Sweden	748	54.5	28.7	1.4	12.6	2.5	0.2	84.7	54.5	48.5	59.9
Syrian Arab Republic	661	15.7	22.6	1.8	55.9	4.0	0.0	40.1	15.7	10.0	21.8
Thailand	773	24.8	14.4	2.2	54.0	4.5	0.1	41.3	24.8	20.8	28.6
Tunisia	575	16.8	22.3	3.1	49.0	7.5	1.3	42.2	16.8	10.8	22.5
Turkey	651	27.0	22.3	1.1	46.4	3.2	0.0	50.3	27.0	19.4	33.4
Ukraine	626	31.9	16.1	1.9	44.4	5.4	0.2	50.0	31.9	26.9	38.6
United States	1047	53.7	23.0	1.3	20.0	1.3	0.6	78.0	53.7	52.9	54.5
International Avg.	641	32.9	17.1	1.8	41.8	5.9	0.5	51.8	32.9	29.7	36.1
Basque Country, Spain	324	47.9	20.1	3.2	24.1	4.0	0.9	71.1	47.9	40.7	55.1
British Columbia, Canada	606	68.6	16.9	0.9	9.6	3.4	0.7	86.3	68.6	64.2	73.7
Dubai, UAE	443	45.8	16.0	1.5	33.1	3.2	0.4	63.3	45.8	38.9	51.6
Massachusetts, US	274	68.1	14.6	1.6	11.7	3.1	1.0	84.2	68.1	68.1	68.0
Minnesota, US	262	74.3	12.3	0.5	12.0	0.9	0.0	87.0	74.3	72.5	76.8
Ontario, Canada	496	68.1	20.9	1.2	8.5	0.7	0.7	90.1	68.1	68.0	68.1
Quebec, Canada	565	80.2	8.1	1.5	7.6	1.8	0.8	89.7	80.2	79.2	81.1

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Algebra / Knowing (M042236 - M06_05)
 Label: Simplify the expression
 Type: MC Key: C

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	784	23.9	3.6	10.4	23.9	49.9	9.8	2.4	20.6	27.1
Armenia	667	69.7	1.8	7.9	69.7	10.6	8.9	0.9	73.6	65.3
Australia	582	54.0	2.5	15.1	54.0	25.2	3.1	0.1	55.6	52.4
Bahrain	594	34.0	5.0	21.3	34.0	36.1	2.9	0.7	36.4	31.6
Bosnia and Herzegovina	605	58.1	1.5	13.3	58.1	20.1	6.6	0.4	62.1	53.9
Botswana	600	41.0	4.1	18.1	41.0	32.4	2.9	1.5	47.1	33.9
Bulgaria	568	64.1	2.8	11.0	64.1	16.2	5.2	0.7	71.2	57.0
Chinese Taipei	575	86.1	1.5	4.9	86.1	6.8	0.8	0.0	88.2	84.1
Colombia	684	35.4	4.5	16.0	35.4	35.4	3.7	5.0	33.9	36.9
Cyprus	626	43.4	4.7	27.5	43.4	22.0	2.1	0.3	45.4	41.3
Czech Republic	686	76.0	3.3	8.0	76.0	10.3	2.4	0.1	80.1	71.9
Egypt	941	41.1	4.3	23.1	41.1	29.8	1.7	0.0	44.4	38.1
El Salvador	581	28.6	3.3	22.2	28.6	37.9	5.3	2.8	27.1	30.3
England	560	51.4	1.8	24.2	51.4	19.9	2.4	0.4	55.7	47.0
Georgia	586	47.2	2.8	17.6	47.2	28.1	3.6	0.7	50.4	44.8
Ghana	749	32.3	4.3	18.0	32.3	41.5	3.2	0.8	33.5	31.2
Hong Kong SAR	493	85.2	1.5	5.7	85.2	5.2	2.4	0.0	87.6	82.7
Hungary	585	60.9	1.4	14.2	60.9	18.8	4.6	0.1	59.1	62.5
Indonesia	601	47.3	2.4	12.4	47.3	35.8	1.6	0.5	48.5	46.1
Iran, Islamic Rep. of	561	35.4	4.6	21.5	35.4	35.2	2.8	0.5	36.9	34.3
Israel	461	61.5	1.7	14.1	61.5	15.8	6.1	0.8	62.7	59.9
Italy	639	52.9	2.5	15.4	52.9	23.8	4.2	1.1	52.9	52.8
Japan	618	84.9	0.4	5.3	84.9	7.4	1.8	0.1	87.0	83.0
Jordan	754	46.1	4.5	17.8	46.1	29.0	1.8	0.8	46.8	45.5
Korea, Rep. of	605	78.1	1.6	8.1	78.1	11.2	1.0	0.0	76.9	79.2
Kuwait	586	25.5	5.6	23.6	25.5	41.0	3.9	0.3	23.4	28.0
Lebanon	537	66.3	1.0	11.4	66.3	16.8	3.5	0.9	64.2	68.9
Lithuania	554	54.2	2.4	18.2	54.2	23.0	2.1	0.1	56.4	51.7
Malaysia	638	53.1	3.2	13.6	53.1	26.5	2.8	0.7	54.8	50.9
Malta	668	54.1	3.6	20.3	54.1	18.7	3.1	0.2	53.6	54.7
Morocco	449	44.7	4.7	14.6	44.7	28.0	6.9	1.0	44.1	45.8
Norway	665	46.2	2.6	16.7	46.2	24.9	9.4	0.3	48.6	44.1
Oman	676	31.0	7.0	20.9	31.0	37.6	3.2	0.3	32.5	29.4
Palestinian Nat'l Auth.	620	42.8	5.9	13.3	42.8	37.1	0.9	0.0	41.7	44.0
Qatar	1027	29.5	7.5	26.9	29.5	32.9	2.8	0.4	31.3	27.6
Romania	595	62.4	1.5	14.9	62.4	19.4	1.7	0.0	67.0	57.5
Russian Federation	638	71.4	1.8	10.0	71.4	12.9	2.9	0.9	73.9	69.1
Saudi Arabia	595	26.3	5.1	29.0	26.3	37.9	1.8	0.0	25.1	27.4
Scotland	583	49.3	3.0	24.5	49.3	18.6	3.7	0.9	47.5	51.0
Serbia	568	70.5	1.6	10.0	70.5	14.7	3.2	0.0	77.8	63.4
Singapore	653	88.3	0.2	5.3	88.3	5.0	1.2	0.0	89.5	87.0
Slovenia	568	60.7	2.2	10.8	60.7	24.6	1.7	0.0	66.2	54.9
Sweden	748	48.0	1.0	19.6	48.0	27.6	3.5	0.4	47.6	48.2
Syrian Arab Republic	661	42.6	3.6	17.0	42.6	33.9	3.0	0.0	44.4	40.8
Thailand	773	42.0	4.2	18.9	42.0	32.5	2.3	0.1	44.1	39.9
Tunisia	575	35.4	0.9	16.7	35.4	42.5	3.2	1.3	33.8	36.9
Turkey	651	38.4	5.7	16.4	38.4	36.2	3.2	0.0	38.1	38.7
Ukraine	626	61.6	2.2	10.9	61.6	23.3	1.7	0.2	63.0	59.7
United States	1047	53.4	2.5	20.5	53.4	21.4	1.6	0.6	56.4	50.4
International Avg.	641	51.8	3.1	15.9	51.8	25.3	3.4	0.6	53.2	50.3
Basque Country, Spain	324	59.7	3.5	17.6	59.7	16.8	1.5	0.9	66.8	52.8
British Columbia, Canada	606	45.9	3.4	22.9	45.9	24.3	2.9	0.7	44.2	47.8
Dubai, UAE	443	62.8	3.1	13.8	62.8	18.1	1.5	0.6	63.6	62.1
Massachusetts, US	274	62.1	3.0	12.2	62.1	19.1	2.3	1.3	63.8	60.6
Minnesota, US	262	64.3	2.6	16.8	64.3	15.7	0.1	0.4	63.4	65.6
Ontario, Canada	496	28.2	4.7	20.4	28.2	41.2	4.8	0.7	31.1	25.0
Quebec, Canada	565	63.9	2.0	17.3	63.9	12.9	3.0	0.8	65.9	62.0

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Algebra / Knowing (M042226 - M06_06)

Label: What is the value P

Type: CR Key: -

COUNTRY	N	10	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	764	12.2	55.8	28.9	3.2	12.2	14.7	9.7
Armenia	669	65.1	13.3	20.6	1.0	65.1	68.6	60.9
Australia	583	34.5	49.5	15.6	0.5	34.5	31.2	37.8
Bahrain	594	21.8	60.9	16.6	0.7	21.8	26.7	17.0
Bosnia and Herzegovina	605	54.6	21.8	23.3	0.4	54.6	60.6	48.3
Botswana	600	10.5	82.9	4.4	2.2	10.5	14.6	5.8
Bulgaria	568	55.5	22.7	21.2	0.7	55.5	60.8	50.3
Chinese Taipei	575	75.6	13.3	11.1	0.0	75.6	80.7	70.9
Colombia	684	3.5	64.8	26.3	5.4	3.5	1.6	5.5
Cyprus	626	48.9	30.2	20.4	0.5	48.9	59.2	38.5
Czech Republic	686	44.0	30.8	25.1	0.1	44.0	50.0	38.2
Egypt	942	23.7	66.4	9.8	0.0	23.7	29.9	18.0
El Salvador	581	3.8	60.1	32.4	3.7	3.8	3.0	4.6
England	560	41.4	44.6	13.6	0.4	41.4	44.1	38.7
Georgia	586	46.0	25.4	27.8	0.7	46.0	44.6	47.1
Ghana	749	6.9	67.3	24.8	1.0	6.9	5.9	7.8
Hong Kong SAR	493	78.8	13.7	7.2	0.3	78.8	81.8	75.7
Hungary	585	46.2	37.3	16.4	0.1	46.2	46.4	45.9
Indonesia	601	25.1	62.2	12.0	0.6	25.1	25.1	25.2
Iran, Islamic Rep. of	561	13.8	58.8	26.5	0.9	13.8	19.6	9.2
Israel	461	38.9	33.9	26.0	1.1	38.9	44.8	31.5
Italy	640	34.2	34.5	30.1	1.1	34.2	37.5	31.0
Japan	618	69.7	18.7	11.3	0.3	69.7	70.6	68.8
Jordan	754	46.3	48.5	4.4	0.8	46.3	50.5	42.4
Korea, Rep. of	605	75.5	19.3	5.1	0.0	75.5	75.6	75.5
Kuwait	586	8.8	66.1	24.2	0.8	8.8	10.5	6.8
Lebanon	540	53.9	30.7	14.4	0.9	53.9	52.8	55.3
Lithuania	555	58.5	19.0	22.1	0.5	58.5	65.0	50.9
Malaysia	638	34.4	52.9	11.8	0.9	34.4	39.1	28.2
Malta	669	57.0	30.8	12.1	0.2	57.0	59.2	54.6
Morocco	451	11.2	27.2	60.1	1.5	11.2	11.0	11.5
Norway	665	4.8	67.9	26.9	0.4	4.8	4.2	5.4
Oman	676	24.2	66.9	8.4	0.5	24.2	35.5	12.3
Palestinian Nat'l Auth.	620	15.5	77.1	7.3	0.0	15.5	22.5	8.2
Qatar	1027	5.7	75.9	18.0	0.4	5.7	7.9	3.4
Romania	595	57.7	31.6	10.7	0.0	57.7	62.1	52.9
Russian Federation	638	74.0	14.4	10.4	1.2	74.0	79.5	68.9
Saudi Arabia	595	4.1	79.6	16.1	0.2	4.1	4.4	3.9
Scotland	583	28.2	50.6	20.4	0.9	28.2	30.3	26.0
Serbia	569	62.2	18.3	19.5	0.0	62.2	70.0	54.6
Singapore	653	85.8	11.6	2.6	0.0	85.8	88.3	83.0
Slovenia	568	36.3	46.9	16.6	0.2	36.3	37.1	35.6
Sweden	748	17.6	59.0	22.9	0.5	17.6	19.1	16.2
Syrian Arab Republic	661	27.2	60.0	12.7	0.0	27.2	30.6	23.5
Thailand	773	23.4	62.3	14.0	0.3	23.4	26.2	20.6
Tunisia	575	27.6	51.1	19.8	1.5	27.6	30.1	25.3
Turkey	651	28.6	49.1	22.3	0.0	28.6	32.9	25.0
Ukraine	626	57.2	24.8	17.7	0.2	57.2	64.6	47.7
United States	1047	63.8	30.8	4.6	0.8	63.8	68.4	59.3
International Avg.	641	37.6	43.7	17.9	0.8	37.6	40.8	34.4
Basque Country, Spain	324	43.3	31.0	24.8	0.9	43.3	47.1	39.6
British Columbia, Canada	606	44.7	42.8	11.8	0.7	44.7	45.1	44.2
Dubai, UAE	443	54.8	34.1	10.4	0.6	54.8	54.7	55.0
Massachusetts, US	274	71.3	22.6	4.8	1.3	71.3	75.7	67.2
Minnesota, US	262	75.1	23.1	1.4	0.4	75.1	77.4	71.7
Ontario, Canada	496	46.0	44.1	9.0	0.9	46.0	47.6	44.4
Quebec, Canada	565	44.3	43.9	10.5	1.4	44.3	47.7	40.9

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Algebra / Knowing (M042103 - M06_07)
 Label: Solve the inequality
 Type: CR Key: -

COUNTRY	N	10	70	71	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	501	1.0	0.0	0.0	40.7	52.3	5.9	1.0	1.7	0.4
Armenia	669	54.4	6.2	1.4	15.7	21.2	1.2	54.4	62.6	44.9
Australia	583	5.2	2.4	0.0	64.8	27.1	0.6	5.2	4.9	5.6
Bahrain	594	6.7	4.0	0.0	63.9	24.2	1.2	6.7	8.7	4.7
Bosnia and Herzegovina	605	36.8	3.3	2.8	35.1	21.6	0.4	36.8	45.3	27.8
Botswana	600	0.0	0.3	0.0	90.4	6.7	2.6	0.0	0.0	0.0
Bulgaria	568	43.7	4.3	3.0	29.3	18.9	0.7	43.7	47.3	40.2
Chinese Taipei	575	59.6	2.4	2.7	20.8	14.4	0.0	59.6	63.3	56.3
Colombia	684	0.7	0.5	0.0	60.7	31.5	6.6	0.7	0.0	1.5
Cyprus	626	35.1	13.7	1.2	28.7	20.4	0.8	35.1	44.0	26.1
Czech Republic	686	11.5	6.8	0.5	49.2	31.2	0.8	11.5	12.1	10.9
Egypt	941	13.2	3.5	1.3	63.9	18.1	0.0	13.2	18.2	8.5
El Salvador	581	0.5	0.6	0.0	64.3	30.2	4.4	0.5	0.6	0.3
England	560	4.9	4.3	0.1	60.1	30.2	0.5	4.9	5.4	4.4
Georgia	586	13.4	2.2	0.5	41.4	41.8	0.7	13.4	13.8	13.1
Ghana	749	11.9	5.2	0.9	69.6	11.5	1.0	11.9	8.5	14.8
Hong Kong SAR	493	29.6	10.4	2.3	36.7	20.8	0.3	29.6	30.5	28.6
Hungary	585	52.1	4.6	1.4	28.1	13.6	0.1	52.1	50.3	53.8
Indonesia	601	2.1	1.5	0.0	74.3	21.3	0.8	2.1	2.2	2.0
Iran, Islamic Rep. of	561	0.9	0.0	0.0	70.4	27.7	0.9	0.9	1.4	0.6
Israel	461	35.9	7.9	4.6	29.3	20.9	1.5	35.9	38.1	33.0
Italy	640	7.2	3.9	0.0	41.7	45.5	1.7	7.2	5.5	8.8
Japan	618	8.1	4.1	0.6	60.5	26.5	0.3	8.1	9.1	7.3
Jordan	754	13.1	3.5	1.1	67.1	14.1	1.0	13.1	12.9	13.3
Korea, Rep. of	605	58.1	8.0	1.5	27.8	4.6	0.0	58.1	63.7	53.0
Kuwait	586	0.1	0.5	0.2	65.1	32.9	1.2	0.1	0.2	0.0
Lebanon	541	41.4	3.4	0.5	38.2	15.6	0.9	41.4	37.9	45.6
Lithuania	555	35.8	14.7	0.2	32.5	16.1	0.7	35.8	42.3	28.1
Malaysia	638	1.7	2.6	0.0	74.7	19.9	1.1	1.7	2.1	1.1
Malta	669	12.6	6.0	0.1	51.5	29.4	0.3	12.6	11.0	14.4
Morocco	445	21.6	0.2	0.6	40.5	35.4	1.7	21.6	24.2	18.7
Norway	665	0.7	0.5	0.0	57.4	40.9	0.5	0.7	1.0	0.4
Oman	676	14.7	2.8	0.3	73.4	8.1	0.7	14.7	15.9	13.3
Palestinian Nat'l Auth.	620	0.9	1.3	0.0	85.5	12.3	0.0	0.9	0.9	1.0
Qatar	1027	0.7	0.7	0.3	76.8	21.2	0.4	0.7	0.8	0.6
Romania	595	35.9	5.1	1.7	45.8	11.3	0.1	35.9	40.8	30.8
Russian Federation	638	39.5	10.5	0.7	33.3	14.7	1.4	39.5	41.4	37.6
Saudi Arabia	595	1.0	0.6	0.0	73.7	24.2	0.4	1.0	1.2	0.8
Scotland	583	10.4	4.9	0.3	57.7	25.7	1.0	10.4	10.3	10.4
Serbia	569	48.8	3.8	2.2	24.9	20.3	0.1	48.8	58.7	39.1
Singapore	653	14.8	8.2	0.8	62.0	14.1	0.1	14.8	14.6	15.1
Slovenia	568	2.2	2.4	0.0	72.6	22.7	0.2	2.2	2.8	1.5
Sweden	748	0.2	2.2	0.1	52.8	43.8	0.9	0.2	0.0	0.4
Syrian Arab Republic	661	8.2	1.2	0.4	65.3	24.7	0.1	8.2	6.3	10.3
Thailand	773	4.9	2.3	0.6	70.5	21.4	0.3	4.9	6.5	3.2
Tunisia	575	0.4	0.0	0.0	70.0	27.7	1.9	0.4	0.5	0.4
Turkey	651	18.5	6.9	0.6	53.8	20.2	0.0	18.5	19.6	17.6
Ukraine	626	9.2	3.8	0.0	55.6	30.9	0.6	9.2	8.6	9.9
United States	1047	18.3	7.7	1.3	61.5	10.4	0.8	18.3	24.0	12.6
International Avg.	635	17.3	4.0	0.8	53.7	23.3	1.0	17.3	18.8	15.8
Basque Country, Spain	324	1.3	11.5	0.0	51.4	34.6	1.2	1.3	0.8	1.9
British Columbia, Canada	606	2.7	4.2	0.1	63.4	28.7	0.9	2.7	2.4	3.0
Dubai, UAE	443	16.7	4.9	1.0	58.0	18.5	0.9	16.7	19.0	14.7
Massachusetts, US	274	28.3	7.5	1.5	51.2	9.9	1.6	28.3	31.4	25.4
Minnesota, US	262	17.8	5.8	2.3	67.4	6.3	0.4	17.8	19.4	15.5
Ontario, Canada	496	1.1	2.6	0.0	69.1	26.4	0.9	1.1	0.5	1.7
Quebec, Canada	565	4.4	5.3	0.1	64.5	23.8	2.0	4.4	4.1	4.7

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Algebra / Applying (M042086 - M06_08)
 Label: What is the value of $2a + 2b + 4$
 Type: CR Key: -

COUNTRY	N	10	70	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	765	14.2	1.2	49.5	30.3	4.9	14.2	12.6	15.8
Armenia	670	48.2	8.6	14.5	27.4	1.3	48.2	47.8	48.7
Australia	583	28.4	5.7	52.3	12.7	0.8	28.4	23.3	33.6
Bahrain	594	9.8	4.0	66.0	19.0	1.2	9.8	7.7	11.8
Bosnia and Herzegovina	605	23.2	7.1	38.6	30.7	0.4	23.2	26.4	19.9
Botswana	600	7.9	3.8	79.0	5.8	3.6	7.9	9.6	5.8
Bulgaria	568	41.6	5.7	25.1	26.9	0.7	41.6	47.9	35.4
Chinese Taipei	575	72.2	3.0	12.5	12.3	0.0	72.2	73.4	71.1
Colombia	684	6.5	2.7	65.4	18.4	7.0	6.5	4.0	9.1
Cyprus	626	29.6	13.9	26.7	29.0	0.8	29.6	34.3	24.9
Czech Republic	686	32.4	10.5	39.6	16.7	0.8	32.4	30.4	34.3
Egypt	942	26.0	4.7	57.3	12.0	0.0	26.0	22.4	29.2
El Salvador	581	1.7	1.3	73.5	19.1	4.4	1.7	1.3	2.1
England	560	44.1	8.1	35.3	11.6	0.9	44.1	45.2	43.1
Georgia	586	26.8	3.9	33.8	34.8	0.8	26.8	25.2	28.0
Ghana	749	2.9	1.6	82.9	11.4	1.3	2.9	2.6	3.1
Hong Kong SAR	493	62.2	10.0	16.9	10.6	0.3	62.2	63.5	60.8
Hungary	585	51.6	9.0	21.0	18.3	0.1	51.6	44.9	57.8
Indonesia	601	12.2	4.5	70.6	11.9	0.8	12.2	10.4	14.0
Iran, Islamic Rep. of	561	9.8	4.4	62.5	22.4	0.9	9.8	10.6	9.1
Israel	461	29.4	5.1	31.6	32.4	1.5	29.4	25.6	34.0
Italy	640	29.3	7.4	32.8	28.8	1.8	29.3	22.8	35.6
Japan	618	37.8	16.1	33.0	12.4	0.6	37.8	39.0	36.7
Jordan	754	21.0	9.4	58.6	10.0	1.0	21.0	17.4	24.4
Korea, Rep. of	605	61.2	9.2	24.2	5.5	0.0	61.2	59.5	62.8
Kuwait	586	7.8	1.7	63.3	25.9	1.2	7.8	8.0	7.6
Lebanon	541	33.8	10.3	38.0	16.9	1.1	33.8	28.2	40.5
Lithuania	555	27.5	9.9	33.3	28.7	0.7	27.5	27.7	27.4
Malaysia	638	25.0	6.7	58.2	9.0	1.1	25.0	25.9	23.9
Malta	669	28.6	9.7	43.1	17.7	0.8	28.6	26.8	30.6
Morocco	450	15.0	3.8	38.1	41.5	1.7	15.0	14.1	16.1
Norway	665	18.9	6.0	50.8	23.5	0.8	18.9	15.8	21.8
Oman	676	8.7	6.5	73.8	9.8	1.1	8.7	10.2	7.1
Palestinian Nat'l Auth.	620	14.7	4.4	73.6	7.3	0.0	14.7	15.9	13.6
Qatar	1027	3.5	1.0	76.2	19.0	0.4	3.5	4.0	3.0
Romania	595	46.0	5.4	33.9	14.6	0.1	46.0	50.1	41.6
Russian Federation	638	40.1	17.0	26.2	15.2	1.5	40.1	48.1	32.6
Saudi Arabia	595	6.6	1.6	72.9	17.9	0.9	6.6	4.4	8.7
Scotland	583	35.0	6.7	43.8	13.2	1.3	35.0	31.6	38.3
Serbia	569	41.3	8.8	22.5	27.3	0.1	41.3	45.4	37.4
Singapore	653	70.6	5.8	18.8	4.7	0.1	70.6	72.4	68.5
Slovenia	568	26.3	4.7	57.8	10.9	0.3	26.3	27.4	25.2
Sweden	748	39.1	5.7	37.3	16.9	0.9	39.1	38.1	40.0
Syrian Arab Republic	661	17.7	1.3	60.8	20.0	0.1	17.7	15.9	19.7
Thailand	773	17.4	5.9	64.5	11.9	0.3	17.4	18.0	16.9
Tunisia	575	12.9	10.3	59.1	15.3	2.5	12.9	13.0	12.8
Turkey	651	29.5	1.9	44.9	23.7	0.0	29.5	29.7	29.3
Ukraine	626	24.3	15.2	37.5	22.5	0.6	24.3	25.3	22.9
United States	1047	31.3	10.9	48.5	8.1	1.3	31.3	34.1	28.4
International Avg.	641	27.6	6.6	46.5	18.2	1.1	27.6	27.3	27.9
Basque Country, Spain	324	32.0	11.6	33.0	22.2	1.2	32.0	30.7	33.3
British Columbia, Canada	606	30.7	11.8	42.0	14.6	0.9	30.7	33.0	28.0
Dubai, UAE	443	28.8	9.3	45.7	15.4	0.9	28.8	26.5	30.7
Massachusetts, US	274	44.7	12.7	34.5	6.5	1.6	44.7	48.5	41.2
Minnesota, US	262	34.7	11.5	48.4	4.5	0.9	34.7	33.6	36.3
Ontario, Canada	496	32.0	13.8	40.3	12.3	1.5	32.0	30.6	33.6
Quebec, Canada	565	39.0	12.5	33.1	13.4	2.0	39.0	34.9	43.1

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Algebra / Reasoning (M042228 - M06_09)

Label: Value of x in the pattern

Type: CR Key: -

COUNTRY	N	10	70	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	755	12.2	5.9	58.6	18.1	5.2	12.2	13.8	10.6
Armenia	669	32.9	5.1	34.3	26.4	1.4	32.9	31.7	34.4
Australia	583	42.1	13.2	37.5	6.3	0.8	42.1	40.3	44.0
Bahrain	594	15.5	14.9	55.5	12.7	1.4	15.5	14.0	17.0
Bosnia and Herzegovina	605	26.5	13.3	36.0	23.8	0.4	26.5	25.8	27.3
Botswana	600	18.1	4.3	67.8	5.6	4.1	18.1	18.3	17.9
Bulgaria	568	40.5	6.1	29.8	22.9	0.7	40.5	44.0	37.0
Chinese Taipei	575	55.9	18.5	21.3	4.4	0.0	55.9	57.5	54.3
Colombia	684	24.0	4.4	49.5	14.7	7.3	24.0	20.8	27.5
Cyprus	626	45.9	12.7	27.5	12.9	1.1	45.9	45.0	46.8
Czech Republic	686	47.0	17.8	27.1	7.3	0.8	47.0	45.7	48.3
Egypt	942	13.8	13.8	63.1	9.3	0.1	13.8	14.0	13.6
El Salvador	581	6.5	1.6	72.0	15.4	4.5	6.5	5.3	8.0
England	560	59.4	10.5	25.2	4.0	0.9	59.4	63.1	55.7
Georgia	586	23.6	8.8	41.2	25.1	1.3	23.6	22.7	24.4
Ghana	749	9.3	3.7	71.9	13.6	1.5	9.3	10.6	8.3
Hong Kong SAR	493	52.2	16.0	27.1	4.4	0.3	52.2	52.6	51.7
Hungary	585	45.2	14.7	30.2	9.3	0.5	45.2	42.9	47.4
Indonesia	601	25.1	8.8	57.1	8.2	0.8	25.1	23.1	27.0
Iran, Islamic Rep. of	561	23.2	14.7	52.2	8.8	1.2	23.2	24.5	22.2
Israel	461	36.2	16.5	30.9	14.6	1.8	36.2	34.6	38.1
Italy	640	38.2	10.0	38.3	11.7	1.8	38.2	38.0	38.3
Japan	618	56.8	14.4	25.6	2.6	0.6	56.8	50.8	62.3
Jordan	754	15.6	19.0	59.7	4.6	1.0	15.6	13.0	18.0
Korea, Rep. of	605	69.9	14.4	14.8	0.9	0.0	69.9	68.5	71.2
Kuwait	586	9.9	11.1	60.1	17.1	1.8	9.9	12.1	7.2
Lebanon	541	29.9	8.0	42.0	19.0	1.1	29.9	26.9	33.6
Lithuania	555	32.4	19.3	36.2	11.4	0.7	32.4	30.2	35.0
Malaysia	638	22.0	21.8	49.0	6.0	1.3	22.0	20.7	23.6
Malta	669	31.4	19.8	41.2	6.8	0.8	31.4	25.5	37.8
Morocco	449	15.7	3.3	48.8	30.3	1.8	15.7	17.6	13.5
Norway	665	31.6	12.6	40.8	13.9	1.0	31.6	31.0	32.3
Oman	675	13.7	7.2	67.1	10.7	1.3	13.7	17.3	9.9
Palestinian Nat'l Auth.	620	14.2	9.5	71.7	4.6	0.0	14.2	15.6	12.7
Qatar	1027	8.5	6.2	70.7	14.0	0.6	8.5	10.2	6.8
Romania	595	25.6	15.0	47.5	11.9	0.1	25.6	26.9	24.2
Russian Federation	638	32.4	22.7	32.0	11.2	1.6	32.4	32.7	32.2
Saudi Arabia	595	8.5	4.6	73.3	12.7	0.9	8.5	9.0	8.0
Scotland	583	36.3	17.2	39.7	5.6	1.3	36.3	36.9	35.7
Serbia	569	39.3	14.8	29.8	16.1	0.1	39.3	42.8	35.8
Singapore	653	59.3	18.6	20.5	1.5	0.1	59.3	60.2	58.2
Slovenia	568	36.8	14.2	40.7	7.8	0.4	36.8	38.0	35.5
Sweden	748	39.1	17.3	33.2	9.4	1.0	39.1	38.3	39.9
Syrian Arab Republic	661	15.4	7.2	64.1	13.1	0.1	15.4	13.3	17.7
Thailand	773	28.6	13.8	51.3	5.7	0.6	28.6	29.8	27.5
Tunisia	575	19.8	9.5	53.7	14.3	2.7	19.8	20.3	19.4
Turkey	651	37.3	14.0	44.3	4.4	0.0	37.3	39.4	35.5
Ukraine	626	22.2	16.7	40.6	20.0	0.6	22.2	22.3	22.1
United States	1047	36.4	24.8	34.6	2.6	1.6	36.4	37.3	35.6
International Avg.	641	30.3	12.5	44.6	11.4	1.2	30.3	30.1	30.4
Basque Country, Spain	324	44.3	17.7	25.1	11.8	1.2	44.3	46.2	42.4
British Columbia, Canada	606	40.0	22.2	30.1	6.8	0.9	40.0	40.0	40.0
Dubai, UAE	443	29.6	15.6	46.0	8.0	0.9	29.6	26.9	31.9
Massachusetts, US	274	45.8	22.9	27.5	1.9	2.0	45.8	47.9	43.8
Minnesota, US	262	44.6	17.2	36.4	0.7	1.1	44.6	39.9	51.2
Ontario, Canada	496	37.9	21.0	33.9	5.2	1.9	37.9	31.9	44.2
Quebec, Canada	565	43.2	19.2	31.0	4.3	2.3	43.2	41.9	44.5

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Algebra / Applying (M042245 - M06_10)
 Label: Pair of numbers satisfy the equation
 Type: MC Key: D

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	784	14.7	22.3	24.1	19.2	14.7	13.9	5.7	13.0	16.5
Armenia	629	32.0	24.6	9.0	10.8	32.0	21.5	2.2	33.5	30.3
Australia	582	18.4	25.1	24.2	22.4	18.4	9.0	0.8	16.9	19.9
Bahrain	594	21.1	22.4	22.2	26.6	21.1	6.3	1.4	21.9	20.4
Bosnia and Herzegovina	605	31.2	22.2	10.6	17.9	31.2	17.4	0.6	35.0	27.1
Botswana	600	13.6	33.4	20.5	20.6	13.6	6.3	5.6	13.8	13.5
Bulgaria	568	30.3	20.3	12.2	23.4	30.3	13.1	0.7	32.5	28.2
Chinese Taipei	575	65.8	7.3	9.4	15.6	65.8	1.9	0.0	69.2	62.7
Colombia	684	12.6	32.7	19.8	18.0	12.6	7.4	9.4	13.1	12.1
Cyprus	626	18.5	19.9	22.4	26.4	18.5	11.7	1.2	17.9	19.0
Czech Republic	686	25.0	21.6	12.0	20.0	25.0	20.7	0.8	28.5	21.5
Egypt	939	23.3	19.5	27.5	25.6	23.3	3.8	0.3	22.3	24.3
El Salvador	581	8.3	52.4	16.6	12.7	8.3	5.1	4.8	8.1	8.6
England	560	22.5	27.0	20.4	19.7	22.5	9.5	0.9	23.2	21.7
Georgia	586	22.5	31.0	17.5	18.8	22.5	8.8	1.3	22.5	22.5
Ghana	749	19.3	36.8	16.5	18.0	19.3	7.4	1.9	19.5	19.2
Hong Kong SAR	493	44.1	11.3	16.0	23.5	44.1	4.8	0.3	44.6	43.6
Hungary	585	33.9	16.0	15.7	18.9	33.9	14.9	0.7	34.3	33.6
Indonesia	601	14.8	33.9	21.2	22.7	14.8	5.8	1.4	11.8	17.8
Iran, Islamic Rep. of	561	20.4	26.6	20.2	23.3	20.4	8.4	1.2	20.4	20.3
Israel	461	33.2	18.3	15.5	20.2	33.2	11.0	1.8	33.1	33.3
Italy	636	14.9	25.2	19.8	21.9	14.9	16.4	1.9	13.5	16.3
Japan	618	47.6	10.4	14.1	23.5	47.6	3.8	0.6	49.0	46.3
Jordan	754	30.9	28.5	17.6	17.6	30.9	4.3	1.0	31.8	30.0
Korea, Rep. of	605	67.2	6.7	10.7	12.8	67.2	2.6	0.0	68.5	66.0
Kuwait	586	13.4	21.8	24.1	27.1	13.4	11.7	1.9	12.1	14.9
Lebanon	531	13.2	25.2	20.0	22.4	13.2	17.8	1.4	11.8	14.8
Lithuania	554	25.7	21.5	12.2	25.4	25.7	14.6	0.7	26.2	25.2
Malaysia	638	15.4	27.1	25.6	22.0	15.4	8.0	1.8	14.2	17.0
Malta	666	18.2	28.1	14.8	27.9	18.2	10.1	0.9	16.4	20.1
Morocco	447	7.8	28.3	23.0	21.8	7.8	17.2	1.9	9.5	5.8
Norway	665	9.2	30.2	19.9	17.8	9.2	21.8	1.1	9.9	8.7
Oman	676	17.0	34.7	25.3	15.8	17.0	4.9	2.4	18.8	15.0
Palestinian Nat'l Auth.	620	19.6	25.4	27.1	23.3	19.6	4.5	0.0	20.7	18.5
Qatar	1027	14.0	25.7	28.9	25.5	14.0	5.3	0.6	16.6	11.3
Romania	594	30.1	27.0	15.4	20.4	30.1	7.1	0.1	31.4	28.8
Russian Federation	638	43.7	13.3	10.9	21.0	43.7	9.1	2.1	46.7	40.9
Saudi Arabia	595	16.5	21.5	27.2	27.5	16.5	5.8	1.5	20.0	13.3
Scotland	583	15.7	27.0	20.1	22.9	15.7	13.0	1.3	16.3	15.1
Serbia	554	38.7	17.3	13.3	20.6	38.7	9.3	0.8	40.7	36.7
Singapore	653	40.7	14.1	16.9	24.7	40.7	3.5	0.1	48.4	32.0
Slovenia	568	26.0	20.4	17.1	23.6	26.0	12.4	0.4	26.4	25.5
Sweden	748	8.4	24.9	21.3	19.1	8.4	25.1	1.2	9.3	7.6
Syrian Arab Republic	661	19.4	30.0	18.4	25.8	19.4	6.3	0.1	15.9	23.2
Thailand	773	22.3	30.0	17.1	24.0	22.3	5.9	0.7	21.8	22.8
Tunisia	575	12.3	29.9	21.2	21.3	12.3	12.5	2.7	9.3	15.1
Turkey	651	31.3	18.3	16.9	22.4	31.3	11.1	0.0	28.2	33.9
Ukraine	626	32.7	24.5	14.0	21.4	32.7	6.9	0.6	34.3	30.5
United States	1047	36.7	16.0	16.7	25.9	36.7	2.8	1.9	40.0	33.4
International Avg.	640	24.8	24.0	18.4	21.4	24.8	9.8	1.5	25.4	24.2
Basque Country, Spain	324	22.8	22.0	16.1	22.2	22.8	15.0	1.9	20.7	24.9
British Columbia, Canada	606	26.0	19.2	21.2	21.9	26.0	10.6	1.1	26.1	25.8
Dubai, UAE	443	23.9	24.5	17.8	21.2	23.9	11.1	1.5	23.9	23.9
Massachusetts, US	274	46.6	13.5	9.9	24.0	46.6	3.9	2.0	50.9	42.7
Minnesota, US	262	40.6	16.0	15.1	24.8	40.6	2.4	1.1	44.0	35.7
Ontario, Canada	496	20.0	19.9	21.7	24.5	20.0	12.0	1.9	20.1	19.8
Quebec, Canada	565	15.3	20.8	21.7	27.1	15.3	12.7	2.3	16.9	13.8

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Geometry / Applying (M042270 - M06_11)
 Label: Draw an isosceles triangle
 Type: CR Key: -

COUNTRY	N	10	79	OMIT TED	NOT	V1	1.GIRL %Right	2.BOY %Right
					REACH ED			
Algeria	758	48.2	32.9	12.6	6.2	48.2	48.0	48.5
Armenia	671	51.5	19.0	27.0	2.4	51.5	52.1	50.9
Australia	583	39.5	52.1	7.1	1.3	39.5	32.3	46.7
Bahrain	594	39.4	48.1	11.0	1.4	39.4	44.2	34.7
Bosnia and Herzegovina	605	50.2	33.3	16.0	0.6	50.2	50.7	49.6
Botswana	599	4.8	68.8	19.9	6.6	4.8	5.1	4.4
Bulgaria	568	57.4	23.3	18.3	1.0	57.4	62.7	52.2
Chinese Taipei	575	78.2	17.8	4.0	0.0	78.2	80.7	75.9
Colombia	684	20.1	50.4	19.8	9.8	20.1	17.3	23.0
Cyprus	626	39.7	49.7	9.2	1.4	39.7	42.3	37.0
Czech Republic	686	61.5	32.7	4.9	0.9	61.5	63.3	59.8
Egypt	942	39.4	49.2	11.1	0.3	39.4	37.1	41.5
El Salvador	581	14.9	52.9	27.4	4.8	14.9	9.1	21.5
England	560	41.5	53.3	4.3	0.9	41.5	42.9	40.1
Georgia	586	32.0	30.5	36.2	1.3	32.0	37.4	27.8
Ghana	748	5.9	45.7	46.2	2.3	5.9	6.4	5.4
Hong Kong SAR	493	77.3	18.3	3.7	0.7	77.3	80.0	74.5
Hungary	585	73.4	24.3	1.7	0.7	73.4	70.0	76.6
Indonesia	600	40.3	47.5	10.7	1.4	40.3	38.8	41.8
Iran, Islamic Rep. of	561	22.3	51.6	24.9	1.2	22.3	23.7	21.3
Israel	461	50.3	34.3	13.1	2.3	50.3	48.8	52.2
Italy	640	76.7	14.9	6.2	2.2	76.7	80.2	73.2
Japan	618	85.2	10.5	3.7	0.6	85.2	88.9	81.8
Jordan	754	35.3	54.1	9.5	1.0	35.3	38.1	32.8
Korea, Rep. of	605	80.1	17.7	2.1	0.0	80.1	83.2	77.3
Kuwait	586	15.2	61.0	21.6	2.1	15.2	16.8	13.3
Lebanon	540	64.0	23.6	10.9	1.5	64.0	64.6	63.3
Lithuania	555	66.7	26.9	5.8	0.7	66.7	68.6	64.4
Malaysia	638	54.7	37.7	5.9	1.8	54.7	57.5	51.0
Malta	668	50.9	42.0	6.1	0.9	50.9	47.5	54.6
Morocco	450	49.1	29.5	19.2	2.2	49.1	49.3	49.3
Norway	665	40.6	51.7	6.4	1.3	40.6	41.3	40.0
Oman	676	24.2	61.2	12.1	2.4	24.2	28.3	19.9
Palestinian Nat'l Auth.	620	25.4	66.1	8.6	0.0	25.4	29.3	21.3
Qatar	1027	12.1	67.5	19.8	0.6	12.1	12.4	11.8
Romania	595	68.0	23.2	8.8	0.1	68.0	71.5	64.3
Russian Federation	638	68.8	19.0	9.9	2.2	68.8	72.8	65.1
Saudi Arabia	595	18.2	63.8	16.2	1.8	18.2	23.7	13.1
Scotland	583	50.4	41.9	6.3	1.4	50.4	48.9	51.9
Serbia	569	70.9	17.5	10.9	0.8	70.9	73.2	68.6
Singapore	653	69.3	26.2	4.2	0.3	69.3	71.2	67.1
Slovenia	568	61.6	34.1	3.8	0.5	61.6	60.6	62.6
Sweden	748	60.6	31.5	6.6	1.3	60.6	62.6	58.8
Syrian Arab Republic	661	41.9	48.2	9.8	0.1	41.9	44.0	39.5
Thailand	773	39.8	43.2	16.1	0.9	39.8	40.6	39.0
Tunisia	575	44.7	46.6	5.6	3.1	44.7	38.3	50.8
Turkey	651	29.9	51.3	18.8	0.0	29.9	32.7	27.6
Ukraine	626	57.5	26.8	15.0	0.6	57.5	58.9	55.8
United States	1047	26.2	67.0	4.8	2.0	26.2	25.9	26.5
International Avg.	641	46.4	39.6	12.3	1.6	46.4	47.4	45.5
Basque Country, Spain	324	52.2	37.4	8.2	2.1	52.2	54.9	49.6
British Columbia, Canada	606	35.9	54.7	8.3	1.1	35.9	32.6	39.7
Dubai, UAE	443	34.3	51.4	12.8	1.5	34.3	32.8	35.5
Massachusetts, US	274	38.1	56.2	2.7	2.9	38.1	39.7	36.7
Minnesota, US	262	34.2	61.6	2.6	1.6	34.2	26.5	45.2
Ontario, Canada	496	42.9	48.8	6.4	2.0	42.9	38.6	47.4
Quebec, Canada	565	58.0	36.7	2.9	2.4	58.0	55.0	61.0

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Geometry / Applying (M042201 - M06_12)

Label: Length of the rectangular box

Type: CR Key: -

COUNTRY	N	10	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	762	26.1	44.3	22.4	7.2	26.1	22.0	30.2
Armenia	669	53.8	13.6	29.3	3.3	53.8	53.7	53.9
Australia	583	47.8	41.2	9.2	1.7	47.8	43.4	52.3
Bahrain	594	24.1	61.3	13.3	1.4	24.1	26.0	22.2
Bosnia and Herzegovina	605	37.3	27.3	34.8	0.7	37.3	41.9	32.4
Botswana	599	27.2	59.9	5.1	7.8	27.2	30.8	23.0
Bulgaria	568	43.4	26.0	29.4	1.2	43.4	47.5	39.4
Chinese Taipei	575	84.3	9.9	5.8	0.0	84.3	86.6	82.2
Colombia	684	17.3	56.8	15.6	10.2	17.3	14.3	20.5
Cyprus	626	41.8	33.2	23.7	1.4	41.8	41.6	41.9
Czech Republic	686	50.2	27.0	21.6	1.2	50.2	51.4	49.1
Egypt	942	31.4	60.4	7.7	0.5	31.4	30.1	32.6
El Salvador	581	13.6	55.7	25.0	5.8	13.6	12.1	15.2
England	560	63.0	27.5	8.7	0.9	63.0	65.6	60.3
Georgia	586	34.1	29.0	35.6	1.3	34.1	29.8	37.5
Ghana	748	18.3	64.4	14.2	3.1	18.3	16.2	20.2
Hong Kong SAR	493	84.6	9.7	5.0	0.7	84.6	87.2	81.9
Hungary	585	51.9	27.9	19.5	0.7	51.9	47.1	56.3
Indonesia	601	36.9	52.7	8.9	1.6	36.9	42.0	32.0
Iran, Islamic Rep. of	561	26.1	53.3	19.0	1.6	26.1	25.6	26.6
Israel	461	35.3	40.1	22.0	2.6	35.3	32.9	38.3
Italy	640	40.1	33.1	24.7	2.2	40.1	36.0	44.1
Japan	618	81.6	14.1	3.5	0.8	81.6	81.4	81.7
Jordan	754	38.3	52.8	7.8	1.1	38.3	38.7	38.0
Korea, Rep. of	605	74.6	23.3	2.1	0.0	74.6	72.9	76.2
Kuwait	586	18.1	60.0	19.5	2.5	18.1	19.2	16.6
Lebanon	541	25.5	48.0	24.2	2.3	25.5	22.6	29.0
Lithuania	555	58.4	20.8	20.1	0.7	58.4	59.6	57.1
Malaysia	638	49.6	41.9	6.5	2.0	49.6	51.8	46.8
Malta	669	64.9	26.8	7.0	1.2	64.9	62.9	67.1
Morocco	450	18.9	44.2	34.4	2.5	18.9	23.9	12.8
Norway	665	43.3	37.7	17.6	1.4	43.3	44.3	42.5
Oman	676	18.8	70.9	7.5	2.8	18.8	22.7	14.7
Palestinian Nat'l Auth.	620	26.2	69.0	4.8	0.0	26.2	34.0	18.0
Qatar	1027	13.4	73.0	13.0	0.7	13.4	17.4	9.2
Romania	595	52.6	32.5	14.8	0.1	52.6	59.4	45.5
Russian Federation	638	57.4	20.7	19.7	2.3	57.4	56.9	57.8
Saudi Arabia	595	9.2	76.8	12.2	1.8	9.2	8.4	10.0
Scotland	583	43.1	45.6	9.7	1.6	43.1	45.9	40.3
Serbia	569	52.7	23.7	22.6	1.0	52.7	61.9	43.7
Singapore	653	87.8	9.7	2.1	0.4	87.8	89.3	86.1
Slovenia	568	57.3	33.4	8.6	0.7	57.3	57.1	57.5
Sweden	748	37.2	37.8	23.3	1.7	37.2	37.8	36.6
Syrian Arab Republic	661	23.5	59.7	16.4	0.4	23.5	25.4	21.4
Thailand	773	36.8	50.9	11.2	1.0	36.8	36.8	36.9
Tunisia	575	29.8	50.6	16.2	3.4	29.8	26.3	33.2
Turkey	651	26.7	54.6	18.7	0.0	26.7	25.6	27.5
Ukraine	626	42.8	32.5	23.6	1.2	42.8	43.5	41.8
United States	1047	58.2	35.6	4.0	2.1	58.2	60.3	56.1
International Avg.	641	41.5	40.8	15.7	1.9	41.5	42.2	40.7
Basque Country, Spain	324	44.5	29.3	24.1	2.1	44.5	42.2	46.9
British Columbia, Canada	606	57.9	30.2	10.0	1.9	57.9	54.0	62.4
Dubai, UAE	442	50.2	39.3	9.0	1.6	50.2	49.5	50.7
Massachusetts, US	274	71.4	21.0	4.1	3.5	71.4	72.2	70.6
Minnesota, US	262	65.8	30.0	2.6	1.6	65.8	65.9	65.5
Ontario, Canada	496	65.8	23.8	8.2	2.2	65.8	65.3	66.2
Quebec, Canada	565	54.4	33.0	10.1	2.5	54.4	51.9	56.9

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Geometry / Knowing (M042152 - M06_13)
 Label: Half-turn around point O
 Type: MC Key: D

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	782	26.4	18.8	20.6	15.0	26.4	12.0	7.2	26.3	26.4
Armenia	665	30.6	25.6	15.6	6.7	30.6	17.6	3.8	30.3	31.0
Australia	583	49.0	28.6	10.1	6.5	49.0	4.1	1.7	47.3	50.6
Bahrain	594	35.2	18.6	23.5	10.4	35.2	10.7	1.5	31.6	38.8
Bosnia and Herzegovina	605	27.0	24.7	17.3	16.0	27.0	14.0	1.0	28.4	25.7
Botswana	599	34.2	22.3	16.7	13.0	34.2	5.5	8.2	35.4	32.9
Bulgaria	568	42.5	19.2	16.9	8.8	42.5	11.3	1.2	37.6	47.4
Chinese Taipei	575	59.5	23.7	11.8	4.1	59.5	0.8	0.0	55.8	63.0
Colombia	684	24.0	20.6	16.9	22.2	24.0	5.2	11.0	23.4	24.7
Cyprus	626	28.3	23.7	26.0	14.0	28.3	6.3	1.7	29.0	27.7
Czech Republic	686	53.2	20.1	11.2	7.7	53.2	6.5	1.2	52.0	54.4
Egypt	939	29.5	22.1	26.4	16.6	29.5	5.0	0.5	24.5	34.1
El Salvador	581	20.3	18.1	33.2	11.5	20.3	10.7	6.2	21.5	18.9
England	560	55.9	29.8	6.7	3.4	55.9	3.3	0.9	56.0	55.8
Georgia	586	32.6	13.2	32.2	12.5	32.6	8.3	1.3	31.4	33.5
Ghana	748	24.0	19.2	25.8	16.3	24.0	11.5	3.2	24.6	23.5
Hong Kong SAR	493	68.3	18.7	5.0	3.7	68.3	3.1	1.2	68.1	68.4
Hungary	585	58.5	10.4	16.3	9.6	58.5	4.4	0.8	53.0	63.6
Indonesia	601	33.1	23.4	21.5	15.9	33.1	4.3	1.8	28.5	37.6
Iran, Islamic Rep. of	561	31.6	26.7	21.4	13.7	31.6	4.7	1.9	30.7	32.2
Israel	461	44.2	20.3	12.8	11.3	44.2	8.9	2.6	40.3	49.2
Italy	639	40.6	21.2	17.0	11.5	40.6	6.5	3.2	32.3	48.7
Japan	618	76.6	15.3	4.6	1.0	76.6	1.7	0.8	71.9	80.8
Jordan	754	40.4	20.2	25.0	10.2	40.4	3.1	1.1	40.2	40.5
Korea, Rep. of	605	76.4	10.4	8.0	4.6	76.4	0.6	0.0	68.0	84.1
Kuwait	586	32.1	27.0	22.0	7.8	32.1	8.3	2.9	34.5	29.1
Lebanon	531	27.7	14.7	35.7	10.2	27.7	9.2	2.6	24.1	32.0
Lithuania	553	51.4	21.7	9.7	5.7	51.4	10.7	0.7	46.9	56.7
Malaysia	637	43.3	21.0	24.2	7.8	43.3	1.5	2.2	36.5	52.2
Malta	667	45.9	23.3	16.8	5.9	45.9	6.9	1.2	40.5	51.7
Morocco	444	28.1	20.3	23.0	14.9	28.1	10.6	3.2	26.8	29.8
Norway	665	37.2	21.3	17.0	6.7	37.2	15.4	2.4	37.8	36.7
Oman	676	32.3	20.6	26.7	12.3	32.3	5.0	3.2	33.3	31.1
Palestinian Nat'l Auth.	619	29.6	21.8	24.5	17.7	29.6	6.3	0.2	26.4	33.0
Qatar	1027	29.5	21.0	25.1	12.9	29.5	10.7	0.9	35.0	23.8
Romania	595	33.6	25.6	20.9	15.1	33.6	4.8	0.1	32.1	35.2
Russian Federation	638	39.7	33.3	12.1	8.3	39.7	4.1	2.4	35.8	43.5
Saudi Arabia	594	30.8	20.0	24.6	14.9	30.8	7.8	2.0	35.8	26.1
Scotland	583	47.9	25.8	14.5	4.5	47.9	5.5	1.8	45.9	50.0
Serbia	567	45.4	18.4	18.5	6.9	45.4	9.7	1.1	43.7	47.1
Singapore	653	59.9	25.3	9.9	3.4	59.9	0.8	0.7	57.6	62.5
Slovenia	568	51.0	25.8	13.2	5.8	51.0	3.3	0.8	48.4	53.7
Sweden	748	45.4	17.9	17.1	7.4	45.4	9.8	2.3	46.1	44.8
Syrian Arab Republic	661	34.0	24.8	24.2	10.0	34.0	6.2	0.8	29.5	38.8
Thailand	773	49.0	21.1	17.5	9.1	49.0	2.2	1.0	46.4	51.6
Tunisia	575	27.0	21.1	20.7	14.5	27.0	12.2	4.4	25.3	28.7
Turkey	651	35.0	34.3	19.9	7.9	35.0	2.7	0.1	34.1	35.7
Ukraine	626	40.7	27.8	15.8	12.0	40.7	2.6	1.2	36.9	45.5
United States	1047	43.0	36.4	11.3	5.5	43.0	1.2	2.7	39.6	46.4
International Avg.	640	40.4	22.2	18.5	10.1	40.4	6.7	2.1	38.5	42.4
Basque Country, Spain	324	40.0	29.3	11.8	8.5	40.0	8.1	2.3	41.5	38.6
British Columbia, Canada	606	51.7	26.5	8.9	5.5	51.7	5.5	1.9	52.1	51.2
Dubai, UAE	443	41.6	25.8	16.5	5.4	41.6	9.1	1.6	37.6	44.9
Massachusetts, US	274	46.6	38.2	7.8	2.4	46.6	1.6	3.5	44.7	48.3
Minnesota, US	262	45.0	39.1	8.3	4.3	45.0	1.2	2.1	38.8	53.7
Ontario, Canada	496	50.2	28.6	8.3	6.5	50.2	3.8	2.6	49.7	50.7
Quebec, Canada	565	56.9	19.8	12.4	4.6	56.9	3.5	2.8	56.6	57.1

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Data and Chance / Reasoning (M042269 - M06_14)
 Label: Long jump competition
 Type: MC Key: C

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	780	40.3	13.6	15.1	40.3	13.0	9.5	8.5	41.3	39.4
Armenia	664	48.7	6.4	11.5	48.7	8.8	19.2	5.4	50.4	46.7
Australia	583	70.8	7.3	12.8	70.8	4.3	2.9	1.8	67.9	73.8
Bahrain	594	44.2	15.3	17.2	44.2	15.1	5.7	2.5	42.4	46.0
Bosnia and Herzegovina	605	56.4	9.7	12.4	56.4	13.5	6.9	1.2	55.1	57.7
Botswana	600	43.7	16.7	17.5	43.7	7.8	5.4	9.0	48.8	37.7
Bulgaria	568	59.9	6.7	18.2	59.9	5.7	8.3	1.3	62.8	57.0
Chinese Taipei	575	79.5	2.8	7.5	79.5	9.2	0.9	0.0	84.4	75.0
Colombia	684	52.2	4.1	18.3	52.2	9.0	4.3	12.0	52.5	51.9
Cyprus	626	45.2	15.7	21.7	45.2	11.4	4.2	1.9	46.5	44.0
Czech Republic	686	65.6	6.7	13.0	65.6	8.4	4.9	1.3	66.3	64.9
Egypt	941	41.5	16.4	23.3	41.5	15.0	3.3	0.5	38.5	44.2
El Salvador	581	43.2	17.6	17.7	43.2	7.2	7.7	6.7	44.2	42.1
England	560	75.0	4.8	10.4	75.0	4.7	4.0	1.0	76.3	73.7
Georgia	584	43.9	12.2	19.7	43.9	15.4	7.4	1.5	46.4	42.0
Ghana	747	39.6	18.0	16.1	39.6	13.3	9.3	3.9	39.9	39.3
Hong Kong SAR	493	81.1	4.0	7.1	81.1	5.2	1.4	1.2	85.8	76.2
Hungary	585	67.1	9.0	10.7	67.1	5.5	6.7	0.9	68.9	65.6
Indonesia	601	33.8	20.3	30.6	33.8	9.9	3.4	1.9	31.7	35.8
Iran, Islamic Rep. of	561	59.4	4.2	18.7	59.4	12.2	3.4	2.1	60.6	58.5
Israel	461	54.0	10.3	15.3	54.0	8.2	9.5	2.7	52.7	55.7
Italy	623	64.9	7.6	15.0	64.9	4.3	4.1	4.0	66.4	63.5
Japan	618	75.5	4.9	5.4	75.5	9.0	4.0	1.2	75.7	75.3
Jordan	754	56.0	12.1	16.5	56.0	12.2	2.1	1.1	60.2	52.1
Korea, Rep. of	605	81.2	3.4	8.2	81.2	6.9	0.3	0.0	82.1	80.3
Kuwait	586	36.9	15.9	23.4	36.9	14.7	5.9	3.2	39.3	33.9
Lebanon	528	47.0	12.1	18.0	47.0	10.7	9.6	2.6	45.5	48.6
Lithuania	549	40.7	11.5	25.8	40.7	18.1	3.1	0.8	45.0	35.6
Malaysia	638	66.9	12.3	13.1	66.9	3.4	1.9	2.4	67.2	66.5
Malta	667	67.6	8.1	15.3	67.6	4.0	3.4	1.6	66.7	68.5
Morocco	444	41.8	12.2	20.8	41.8	11.8	9.7	3.7	43.4	40.0
Norway	665	66.5	7.6	11.6	66.5	5.2	6.0	3.0	66.1	66.9
Oman	676	38.8	17.7	18.5	38.8	17.8	3.4	3.9	41.1	36.3
Palestinian Nat'l Auth.	620	42.9	12.6	24.1	42.9	15.9	3.8	0.8	47.7	37.8
Qatar	1027	33.8	14.5	30.7	33.8	16.4	3.4	1.3	34.3	33.2
Romania	594	66.5	9.5	14.6	66.5	5.9	3.3	0.2	67.7	65.2
Russian Federation	638	58.8	6.8	16.6	58.8	9.4	6.0	2.5	60.6	57.1
Saudi Arabia	594	34.7	16.3	20.8	34.7	22.7	3.5	2.0	33.6	35.7
Scotland	583	64.7	8.9	13.0	64.7	7.9	3.1	2.4	64.9	64.4
Serbia	563	66.2	4.9	12.3	66.2	11.1	4.3	1.1	65.0	67.4
Singapore	653	71.9	8.9	12.8	71.9	5.1	0.7	0.7	72.1	71.5
Slovenia	568	69.7	6.9	10.7	69.7	8.1	3.4	1.3	71.1	68.4
Sweden	748	71.0	7.5	6.8	71.0	6.1	5.6	3.0	71.2	70.9
Syrian Arab Republic	661	41.1	14.2	22.1	41.1	17.7	3.9	0.9	40.6	41.7
Thailand	773	44.1	11.2	23.6	44.1	18.4	1.4	1.3	47.6	40.8
Tunisia	575	41.2	12.7	19.8	41.2	10.7	10.7	4.9	42.3	40.2
Turkey	651	57.7	17.4	10.6	57.7	11.0	3.1	0.3	55.1	59.9
Ukraine	626	64.4	8.2	14.8	64.4	8.1	3.3	1.2	65.5	62.8
United States	1047	69.2	8.0	15.5	69.2	3.1	1.3	2.9	70.5	67.9
International Avg.	640	55.6	10.5	16.2	55.6	10.2	5.0	2.5	56.6	54.7
Basque Country, Spain	324	72.0	8.8	6.0	72.0	6.1	4.4	2.6	74.1	70.0
British Columbia, Canada	606	69.2	6.5	13.7	69.2	5.1	3.2	2.2	68.6	70.0
Dubai, UAE	445	55.0	10.3	18.2	55.0	10.8	3.6	2.1	53.9	56.0
Massachusetts, US	274	73.7	5.7	13.4	73.7	2.1	1.6	3.5	75.3	72.2
Minnesota, US	262	75.6	6.0	10.2	75.6	5.3	0.4	2.5	71.0	82.2
Ontario, Canada	496	66.5	4.2	13.8	66.5	8.3	4.2	3.0	68.6	64.3
Quebec, Canada	565	73.3	5.1	7.7	73.3	6.4	4.1	3.4	76.5	70.2

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Data and Chance / Applying (M042179 - M06_15)
 Label: Chance of getting a button
 Type: MC Key: D

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	782	34.5	12.8	17.0	17.3	34.5	8.7	9.8	38.0	31.0
Armenia	658	33.5	13.0	17.9	12.9	33.5	17.0	5.7	34.3	32.6
Australia	582	71.3	7.6	9.1	7.4	71.3	2.7	1.9	71.1	71.5
Bahrain	594	40.4	13.9	23.3	16.4	40.4	2.5	3.4	38.8	42.0
Bosnia and Herzegovina	605	37.7	14.7	21.4	14.2	37.7	10.8	1.2	37.2	38.2
Botswana	600	28.9	16.1	20.3	19.6	28.9	5.2	9.8	31.6	25.9
Bulgaria	568	38.5	18.5	24.2	10.9	38.5	5.1	2.8	37.5	39.5
Chinese Taipei	575	67.9	12.2	9.7	8.8	67.9	1.2	0.2	69.8	66.1
Colombia	684	24.9	17.8	21.5	17.7	24.9	4.7	13.3	23.9	26.0
Cyprus	626	60.9	9.7	15.3	10.6	60.9	1.3	2.1	66.5	55.3
Czech Republic	686	47.7	10.5	20.6	13.5	47.7	6.4	1.3	44.3	51.0
Egypt	939	41.8	14.5	19.8	20.5	41.8	2.8	0.5	45.7	38.1
El Salvador	581	16.5	28.3	28.5	15.1	16.5	4.7	6.9	15.4	17.8
England	560	74.5	6.1	11.0	3.7	74.5	3.4	1.2	76.7	72.3
Georgia	584	33.9	16.8	26.7	14.0	33.9	6.6	2.0	35.9	32.4
Ghana	747	34.3	18.6	23.3	15.8	34.3	4.1	3.9	33.2	35.2
Hong Kong SAR	493	49.8	15.6	13.2	18.9	49.8	1.3	1.2	49.0	50.5
Hungary	585	48.6	15.0	18.9	13.0	48.6	3.4	1.2	42.7	54.0
Indonesia	601	34.0	18.9	26.4	14.8	34.0	3.6	2.2	38.3	29.9
Iran, Islamic Rep. of	561	37.0	18.0	22.5	17.2	37.0	3.0	2.3	38.5	35.9
Israel	461	55.5	11.2	14.0	11.5	55.5	4.9	2.9	52.1	59.8
Italy	632	56.7	9.7	14.4	10.0	56.7	4.4	4.8	53.1	60.4
Japan	618	82.3	6.9	5.3	3.4	82.3	0.8	1.2	83.6	81.2
Jordan	754	42.3	16.5	24.4	12.8	42.3	2.8	1.3	46.5	38.3
Korea, Rep. of	605	90.0	4.5	2.1	2.9	90.0	0.5	0.0	91.2	88.9
Kuwait	586	29.3	13.7	28.9	18.0	29.3	6.7	3.4	31.0	27.2
Lebanon	531	35.3	16.8	21.9	16.0	35.3	7.1	3.0	35.4	35.1
Lithuania	542	59.0	14.7	13.7	8.6	59.0	3.2	0.8	58.1	60.1
Malaysia	638	31.3	17.7	20.9	21.6	31.3	5.9	2.6	30.7	32.0
Malta	666	69.3	5.9	11.3	9.1	69.3	2.6	1.8	72.4	66.1
Morocco	445	24.3	13.8	27.7	20.5	24.3	8.4	5.2	25.0	23.7
Norway	665	51.8	15.7	15.5	6.9	51.8	6.8	3.3	55.0	48.9
Oman	676	39.4	17.5	18.7	18.4	39.4	1.9	4.0	46.9	31.5
Palestinian Nat'l Auth.	620	45.8	13.3	18.6	19.9	45.8	1.4	1.0	50.4	41.0
Qatar	1027	24.8	17.8	29.0	24.5	24.8	2.6	1.3	28.5	20.8
Romania	593	42.3	19.0	22.6	11.2	42.3	4.4	0.4	45.9	38.5
Russian Federation	638	40.5	18.5	19.2	11.9	40.5	6.3	3.7	40.3	40.7
Saudi Arabia	594	33.8	19.1	21.6	19.5	33.8	3.9	2.1	38.4	29.7
Scotland	583	56.2	9.5	18.4	7.9	56.2	5.2	2.8	55.7	56.8
Serbia	562	44.8	14.6	18.6	13.6	44.8	7.0	1.3	43.9	45.7
Singapore	653	74.4	6.9	8.5	8.8	74.4	0.6	0.7	76.4	72.3
Slovenia	568	50.0	15.6	20.1	9.1	50.0	3.7	1.4	50.9	49.0
Sweden	748	69.0	6.3	13.1	5.1	69.0	3.3	3.2	66.5	71.3
Syrian Arab Republic	661	37.4	16.3	19.9	18.9	37.4	6.5	0.9	41.3	33.2
Thailand	773	44.1	17.7	19.9	15.5	44.1	1.6	1.3	43.9	44.2
Tunisia	575	25.8	15.3	19.4	25.9	25.8	7.7	6.0	26.1	25.4
Turkey	651	43.8	20.1	16.4	13.6	43.8	5.8	0.3	45.8	42.2
Ukraine	626	39.8	20.3	21.9	13.1	39.8	3.6	1.3	40.1	39.4
United States	1047	74.6	6.7	8.8	5.4	74.6	1.5	3.0	77.2	72.0
International Avg.	640	46.3	14.3	18.5	13.6	46.3	4.5	2.8	47.4	45.3
Basque Country, Spain	324	70.3	7.3	9.0	5.7	70.3	3.8	3.9	70.4	70.2
British Columbia, Canada	606	76.1	5.9	9.0	4.8	76.1	2.0	2.2	78.1	73.8
Dubai, UAE	444	47.5	11.1	22.7	12.7	47.5	3.9	2.2	50.2	45.3
Massachusetts, US	274	82.7	3.5	5.0	2.9	82.7	1.9	4.1	84.5	81.0
Minnesota, US	262	83.1	4.3	7.1	2.4	83.1	0.6	2.5	80.9	86.3
Ontario, Canada	496	78.2	4.4	7.0	4.0	78.2	2.9	3.5	79.1	77.1
Quebec, Canada	565	72.1	7.6	8.9	3.5	72.1	4.0	3.9	77.7	66.6

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Data and Chance / Applying (M042177 - M06_16)
 Label: Number of regular size bottles
 Type: MC Key: C

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	784	28.2	25.2	21.5	28.2	9.0	5.3	10.8	28.8	27.7
Armenia	668	45.3	16.6	14.3	45.3	5.5	11.9	6.4	46.3	44.2
Australia	583	63.3	8.1	17.5	63.3	8.5	0.7	1.9	61.0	65.7
Bahrain	594	36.0	21.9	23.0	36.0	12.0	3.5	3.6	26.4	45.5
Bosnia and Herzegovina	605	38.2	28.8	16.2	38.2	4.5	10.4	1.8	35.6	40.9
Botswana	600	22.0	34.9	15.8	22.0	11.4	4.8	11.1	21.1	22.9
Bulgaria	568	49.6	16.5	16.6	49.6	9.9	4.4	2.9	46.1	53.0
Chinese Taipei	575	76.2	6.5	11.9	76.2	4.0	1.2	0.2	73.9	78.3
Colombia	684	31.2	25.0	17.5	31.2	7.4	4.6	14.4	27.9	34.8
Cyprus	626	56.6	13.4	19.6	56.6	5.1	3.3	2.1	56.7	56.4
Czech Republic	686	66.0	8.9	15.8	66.0	2.4	4.9	2.1	63.9	68.0
Egypt	939	36.1	23.3	35.9	36.1	1.6	2.1	1.0	35.0	37.1
El Salvador	581	30.4	28.6	15.9	30.4	10.9	6.3	7.8	26.1	35.4
England	560	65.2	8.8	18.1	65.2	4.0	2.5	1.3	66.3	64.1
Georgia	585	33.7	25.2	17.6	33.7	12.1	8.9	2.5	30.0	36.5
Ghana	747	20.6	35.0	21.4	20.6	11.4	7.5	4.0	19.5	21.5
Hong Kong SAR	493	75.6	6.0	10.7	75.6	5.1	1.4	1.2	78.2	72.9
Hungary	585	76.2	7.4	10.5	76.2	2.0	2.3	1.6	69.9	82.1
Indonesia	601	31.5	32.2	20.3	31.5	9.0	4.6	2.4	28.4	34.5
Iran, Islamic Rep. of	559	41.7	16.7	23.1	41.7	12.2	3.5	2.7	35.9	46.3
Israel	461	52.2	12.2	18.4	52.2	7.3	7.0	2.9	45.8	60.2
Italy	639	59.4	11.0	14.4	59.4	5.4	4.8	5.0	54.0	64.6
Japan	618	76.8	6.4	11.2	76.8	2.9	1.5	1.3	74.5	78.9
Jordan	754	42.6	20.8	21.0	42.6	11.5	2.8	1.3	37.0	47.7
Korea, Rep. of	605	83.2	6.6	8.6	83.2	1.2	0.3	0.0	79.6	86.4
Kuwait	586	28.5	26.2	24.3	28.5	12.7	4.4	3.9	26.0	31.5
Lebanon	541	39.3	26.5	12.3	39.3	8.7	9.1	4.1	34.2	45.3
Lithuania	555	73.3	8.3	10.3	73.3	5.1	1.8	1.1	67.6	80.2
Malaysia	638	59.8	13.6	16.6	59.8	4.3	3.0	2.7	61.7	57.4
Malta	668	61.2	10.2	17.0	61.2	6.0	4.0	1.8	60.2	62.2
Morocco	448	33.8	25.4	16.6	33.8	11.9	6.9	5.4	33.2	34.7
Norway	665	71.0	3.2	14.9	71.0	3.8	3.9	3.3	68.1	73.7
Oman	673	28.6	24.5	21.7	28.6	16.0	4.8	4.4	29.5	27.7
Palestinian Nat'l Auth.	620	30.7	28.4	22.8	30.7	14.0	3.1	1.0	30.2	31.2
Qatar	1027	29.8	22.5	26.8	29.8	16.6	2.7	1.6	28.9	30.8
Romania	595	53.0	17.4	17.4	53.0	7.4	3.9	0.9	55.0	50.9
Russian Federation	638	58.4	11.0	16.2	58.4	5.2	4.9	4.2	58.7	58.2
Saudi Arabia	595	28.7	26.2	25.6	28.7	13.0	4.1	2.4	25.0	32.0
Scotland	583	59.0	10.4	23.1	59.0	2.9	1.8	2.8	59.0	59.0
Serbia	567	54.2	16.8	14.6	54.2	4.9	8.1	1.5	50.9	57.4
Singapore	652	80.7	3.4	12.4	80.7	2.5	0.4	0.7	82.0	79.2
Slovenia	568	62.1	8.5	22.2	62.1	4.2	1.6	1.4	60.5	63.7
Sweden	748	61.6	4.1	24.0	61.6	3.5	3.0	3.7	61.1	62.0
Syrian Arab Republic	661	36.9	23.1	25.6	36.9	10.3	3.1	1.0	32.9	41.2
Thailand	773	55.3	16.4	15.7	55.3	8.2	2.6	1.7	53.6	57.1
Tunisia	575	41.5	19.3	19.9	41.5	8.7	4.1	6.6	35.5	47.1
Turkey	651	49.1	23.5	14.7	49.1	7.6	4.4	0.7	46.7	51.0
Ukraine	626	49.7	17.8	16.4	49.7	10.9	3.9	1.4	47.2	52.9
United States	1047	60.1	9.8	21.0	60.1	5.2	0.6	3.2	61.0	59.2
International Avg.	641	49.9	17.2	18.1	49.9	7.5	4.1	3.1	47.7	52.1
Basque Country, Spain	324	59.5	10.2	17.9	59.5	4.7	3.5	4.2	55.9	63.1
British Columbia, Canada	606	63.1	4.8	21.4	63.1	6.3	1.9	2.5	60.6	66.1
Dubai, UAE	444	49.0	13.2	22.9	49.0	9.9	2.5	2.5	46.5	51.0
Massachusetts, US	274	71.2	7.5	13.0	71.2	2.3	2.0	4.1	71.8	70.5
Minnesota, US	262	74.8	4.3	16.0	74.8	1.4	0.9	2.5	74.4	75.4
Ontario, Canada	496	63.3	7.9	18.9	63.3	3.7	2.7	3.6	64.3	62.2
Quebec, Canada	565	71.5	5.3	11.3	71.5	4.1	3.8	4.0	69.7	73.3

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Data and Chance / Applying (M042207 - M06_17)
 Label: Complete and label this pie chart
 Type: CR Key: -

COUNTRY	N	20	10	79	OMIT TED	NOT REACH ED	V1	V2	1.GIRL %Right	2.BOY %Right
Algeria	766	24.6	5.2	37.6	20.5	12.1	29.8	24.6	21.1	28.1
Armenia	671	32.2	9.3	23.8	27.0	7.8	41.4	32.2	34.2	29.8
Australia	583	65.9	1.4	23.5	7.2	1.9	67.3	65.9	64.5	67.3
Bahrain	594	43.2	3.1	37.4	11.5	4.9	46.3	43.2	42.1	44.3
Bosnia and Herzegovina	605	35.9	5.4	29.9	26.5	2.3	41.3	35.9	32.7	39.2
Botswana	600	30.5	3.3	37.4	16.0	12.8	33.8	30.5	33.0	27.7
Bulgaria	568	45.6	5.5	22.2	22.6	4.1	51.1	45.6	42.0	49.2
Chinese Taipei	575	75.1	1.2	15.2	8.3	0.2	76.3	75.1	79.9	70.6
Colombia	684	27.6	6.3	31.5	17.7	16.9	33.9	27.6	24.3	31.1
Cyprus	626	49.1	3.3	31.4	13.7	2.6	52.4	49.1	48.1	50.1
Czech Republic	686	54.4	4.8	19.9	17.6	3.3	59.3	54.4	52.8	56.0
Egypt	940	0.4	17.7	61.4	19.2	1.3	18.1	0.4	0.4	0.3
El Salvador	581	16.9	8.3	44.4	20.1	10.2	25.2	16.9	13.5	20.9
England	560	66.9	3.4	22.9	4.8	2.1	70.2	66.9	68.0	65.8
Georgia	584	24.5	2.2	25.3	44.3	3.8	26.7	24.5	21.3	26.9
Ghana	748	10.0	2.1	51.2	30.8	5.8	12.1	10.0	11.8	8.5
Hong Kong SAR	493	75.8	2.6	13.3	6.9	1.5	78.4	75.8	77.7	73.9
Hungary	585	59.0	5.6	23.2	9.1	3.0	64.7	59.0	52.3	65.3
Indonesia	601	26.3	5.7	46.2	18.1	3.6	32.0	26.3	23.2	29.3
Iran, Islamic Rep. of	559	16.9	2.9	56.8	19.7	3.7	19.8	16.9	13.4	19.5
Israel	461	47.0	6.3	23.3	18.1	5.4	53.3	47.0	46.4	47.7
Italy	640	51.2	9.8	21.1	12.1	5.8	61.0	51.2	46.5	55.8
Japan	618	70.4	1.7	21.5	4.5	1.9	72.1	70.4	69.4	71.4
Jordan	754	35.7	4.7	46.4	11.6	1.6	40.4	35.7	36.7	34.8
Korea, Rep. of	605	85.2	0.2	12.8	1.8	0.0	85.4	85.2	84.7	85.6
Kuwait	586	15.3	1.6	59.8	18.6	4.6	16.9	15.3	15.5	15.0
Lebanon	541	28.3	3.3	42.1	21.0	5.3	31.6	28.3	25.9	31.2
Lithuania	555	63.6	1.2	23.8	10.0	1.4	64.8	63.6	62.3	65.3
Malaysia	637	60.2	3.0	25.6	8.3	2.9	63.2	60.2	61.4	58.8
Malta	667	49.5	2.9	33.5	11.4	2.7	52.4	49.5	47.0	52.2
Morocco	449	17.9	3.3	32.2	39.9	6.8	21.2	17.9	19.8	15.6
Norway	665	48.6	3.9	31.0	12.8	3.8	52.5	48.6	48.2	49.0
Oman	673	22.2	3.5	55.4	13.4	5.5	25.7	22.2	23.0	21.5
Palestinian Nat'l Auth.	620	23.7	3.7	58.0	13.0	1.6	27.3	23.7	23.2	24.2
Qatar	1027	20.8	4.2	52.6	20.3	2.1	25.0	20.8	22.6	19.0
Romania	595	39.3	4.1	32.2	23.2	1.3	43.3	39.3	39.3	39.2
Russian Federation	638	50.0	3.5	24.6	16.1	5.9	53.4	50.0	48.5	51.3
Saudi Arabia	595	11.2	5.3	58.8	21.4	3.4	16.5	11.2	14.6	8.0
Scotland	583	54.1	2.7	33.0	6.7	3.6	56.7	54.1	52.1	56.1
Serbia	568	40.1	3.5	23.0	30.7	2.7	43.6	40.1	42.7	37.6
Singapore	652	82.5	2.1	12.3	2.3	0.7	84.7	82.5	84.3	80.6
Slovenia	568	65.9	2.0	23.1	7.4	1.7	67.9	65.9	63.6	68.4
Sweden	748	58.7	2.1	19.9	14.6	4.8	60.8	58.7	62.9	55.1
Syrian Arab Republic	661	15.0	5.4	52.0	25.7	2.0	20.4	15.0	11.7	18.6
Thailand	773	51.5	2.5	28.1	14.8	3.1	54.0	51.5	53.5	49.6
Tunisia	575	27.9	4.8	37.1	21.4	8.7	32.8	27.9	25.6	30.1
Turkey	651	36.6	4.6	36.5	20.1	2.2	41.2	36.6	35.1	37.9
Ukraine	626	47.4	6.6	24.2	18.8	3.0	54.0	47.4	46.0	49.2
United States	1047	61.4	5.1	24.2	6.0	3.3	66.5	61.4	61.7	61.0
International Avg.	641	42.1	4.2	33.1	16.5	4.1	46.3	42.1	41.4	42.7
Basque Country, Spain	324	54.6	4.6	24.9	10.9	5.1	59.1	54.6	54.2	54.9
British Columbia, Canada	606	62.6	2.2	24.3	7.7	3.2	64.8	62.6	59.6	66.0
Dubai, UAE	443	44.7	5.5	35.3	11.3	3.2	50.2	44.7	46.3	43.3
Massachusetts, US	274	66.1	0.4	20.7	8.0	4.8	66.5	66.1	64.7	67.3
Minnesota, US	262	70.5	3.8	21.2	2.0	2.5	74.3	70.5	67.3	75.1
Ontario, Canada	496	57.3	1.3	28.4	8.4	4.5	58.7	57.3	53.6	61.4
Quebec, Canada	565	67.4	2.1	18.9	5.8	5.8	69.5	67.4	66.6	68.2

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Number / Reasoning (M032381 - M07_01)
 Label: How many children were on the trip
 Type: CR Key: -

COUNTRY	N	10	70	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	755	12.6	12.9	46.0	28.3	0.3	12.6	12.3	13.0
Armenia	671	57.8	8.7	13.1	18.1	2.2	57.8	55.1	60.9
Australia	573	56.7	15.3	19.3	8.6	0.2	56.7	56.6	56.7
Bahrain	599	16.2	14.1	51.0	18.7	0.1	16.2	14.6	17.6
Bosnia and Herzegovina	604	31.1	20.5	19.0	29.4	0.0	31.1	31.2	31.0
Botswana	595	12.1	9.4	70.3	8.0	0.2	12.1	15.5	8.0
Bulgaria	573	48.5	10.8	20.3	18.8	1.6	48.5	51.9	44.9
Chinese Taipei	573	74.8	6.9	12.9	5.4	0.0	74.8	77.9	72.0
Colombia	687	31.2	14.8	41.1	12.2	0.8	31.2	27.4	34.8
Cyprus	623	43.1	15.3	23.8	17.7	0.1	43.1	48.3	37.9
Czech Republic	688	52.5	17.9	20.0	9.6	0.0	52.5	53.7	51.5
Egypt	938	15.6	9.2	53.9	21.3	0.0	15.6	16.6	14.5
El Salvador	576	19.6	11.4	50.0	19.0	0.0	19.6	16.2	23.3
England	562	57.5	19.1	19.5	3.7	0.2	57.5	60.0	55.1
Georgia	594	33.9	10.9	18.6	36.0	0.5	33.9	31.7	36.1
Ghana	750	3.8	3.5	64.0	28.1	0.6	3.8	3.5	4.0
Hong Kong SAR	496	65.8	12.5	16.7	4.4	0.5	65.8	66.6	65.1
Hungary	588	59.4	11.5	19.0	10.1	0.0	59.4	62.0	57.3
Indonesia	596	18.5	13.0	55.1	13.3	0.2	18.5	17.0	19.9
Iran, Islamic Rep. of	556	29.3	8.8	39.0	22.7	0.2	29.3	30.7	28.1
Israel	463	37.8	15.3	23.3	22.0	1.6	37.8	38.5	37.1
Italy	637	56.9	17.9	14.9	10.3	0.0	56.9	58.2	55.7
Japan	615	73.0	10.1	12.5	4.2	0.2	73.0	71.6	74.3
Jordan	749	20.8	11.3	52.3	15.5	0.0	20.8	18.2	23.2
Korea, Rep. of	604	80.2	7.2	11.5	1.1	0.0	80.2	82.4	78.1
Kuwait	599	5.5	11.1	57.6	25.1	0.7	5.5	5.4	5.7
Lebanon	540	26.0	13.4	32.9	27.6	0.0	26.0	25.2	27.0
Lithuania	574	41.3	19.8	24.8	14.1	0.0	41.3	44.9	37.4
Malaysia	642	31.5	16.1	44.3	8.1	0.0	31.5	31.7	31.2
Malta	675	36.8	23.1	29.8	10.1	0.3	36.8	38.5	35.0
Morocco	448	11.9	9.8	38.1	39.7	0.5	11.9	13.3	10.3
Norway	660	39.4	23.1	28.1	9.2	0.3	39.4	41.2	37.7
Oman	680	7.6	8.6	67.4	16.4	0.0	7.6	5.7	9.5
Palestinian Nat'l Auth.	607	14.2	10.2	64.9	10.2	0.5	14.2	16.0	12.4
Qatar	1035	6.4	9.2	62.2	21.9	0.3	6.4	6.0	6.7
Romania	593	41.6	12.7	30.2	15.5	0.0	41.6	49.2	34.8
Russian Federation	640	52.1	16.8	19.1	11.5	0.6	52.1	54.7	49.3
Saudi Arabia	602	5.7	6.7	69.2	18.3	0.2	5.7	3.4	7.6
Scotland	594	59.9	15.6	17.1	6.9	0.5	59.9	57.0	63.4
Serbia	571	42.9	16.5	15.6	25.0	0.0	42.9	43.7	42.2
Singapore	649	75.1	9.0	12.6	3.2	0.2	75.1	78.4	71.7
Slovenia	591	51.5	21.1	20.8	6.5	0.0	51.5	53.8	48.9
Sweden	739	50.5	20.1	20.1	8.6	0.6	50.5	51.9	49.2
Syrian Arab Republic	658	13.8	14.3	52.5	19.4	0.0	13.8	10.4	17.4
Thailand	765	40.4	14.8	35.9	8.8	0.1	40.4	41.7	39.1
Tunisia	565	27.3	19.3	38.8	14.2	0.4	27.3	20.5	33.9
Turkey	658	37.1	10.8	37.4	14.4	0.2	37.1	34.0	40.1
Ukraine	623	31.2	19.0	30.5	19.2	0.0	31.2	32.4	29.9
United States	1045	59.2	20.5	17.6	2.4	0.3	59.2	58.7	59.6
International Avg.	641	37.1	13.7	33.8	15.2	0.3	37.1	37.5	36.7
Basque Country, Spain	331	59.8	15.6	15.8	8.5	0.3	59.8	63.2	56.6
British Columbia, Canada	602	60.7	16.5	16.3	6.4	0.0	60.7	59.0	62.4
Dubai, UAE	438	38.8	17.0	29.8	13.8	0.7	38.8	37.8	39.7
Massachusetts, US	266	72.2	13.4	11.5	2.9	0.0	72.2	76.6	67.1
Minnesota, US	261	66.9	19.1	13.1	1.0	0.0	66.9	61.5	74.1
Ontario, Canada	486	64.5	17.1	13.9	4.3	0.2	64.5	69.0	59.7
Quebec, Canada	563	56.8	24.5	13.6	4.8	0.3	56.8	60.0	53.7

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Number / Knowing (M032416 - M07_02)
 Label: Correct procedure for 1/5 minus 1/3
 Type: MC Key: D

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	774	7.3	36.4	31.7	14.5	7.3	9.7	0.4	7.7	7.0
Armenia	667	54.9	10.0	16.7	11.9	54.9	3.8	2.6	57.9	51.5
Australia	572	17.8	32.6	29.6	17.1	17.8	2.7	0.2	17.0	18.6
Bahrain	599	17.3	30.2	32.1	17.0	17.3	3.3	0.1	19.6	15.2
Bosnia and Herzegovina	604	39.5	21.4	26.5	8.2	39.5	4.0	0.4	41.5	37.3
Botswana	595	19.0	25.7	31.2	21.9	19.0	1.9	0.2	21.6	15.8
Bulgaria	573	29.8	23.8	35.6	6.2	29.8	3.0	1.6	29.4	30.2
Chinese Taipei	573	78.8	3.8	7.3	9.7	78.8	0.5	0.0	81.5	76.3
Colombia	687	16.9	27.9	39.5	11.4	16.9	3.1	1.0	16.4	17.5
Cyprus	623	15.5	32.2	36.6	12.9	15.5	2.7	0.1	15.2	15.8
Czech Republic	688	37.5	21.1	25.0	13.5	37.5	2.9	0.0	42.8	32.8
Egypt	933	25.3	21.3	33.8	18.4	25.3	1.2	0.0	30.8	20.1
El Salvador	576	8.0	41.9	32.0	12.6	8.0	5.4	0.2	9.2	6.6
England	561	17.0	26.2	33.9	19.3	17.0	3.2	0.2	19.7	14.5
Georgia	594	34.4	22.6	31.3	6.9	34.4	3.9	0.9	32.5	36.3
Ghana	750	15.4	30.4	36.1	14.1	15.4	2.2	1.7	13.0	17.6
Hong Kong SAR	496	66.1	10.0	9.0	13.4	66.1	0.6	0.8	68.4	63.8
Hungary	588	32.8	25.0	28.6	8.2	32.8	5.5	0.0	35.3	30.7
Indonesia	596	24.2	26.3	32.5	15.4	24.2	1.5	0.2	25.8	22.5
Iran, Islamic Rep. of	556	26.7	24.1	33.9	12.3	26.7	2.7	0.2	28.7	25.2
Israel	463	30.6	24.7	24.3	13.6	30.6	5.0	1.7	31.3	29.7
Italy	636	47.0	10.1	27.5	13.9	47.0	1.6	0.0	51.6	42.6
Japan	615	59.5	13.4	14.2	11.9	59.5	0.8	0.2	62.0	56.9
Jordan	749	32.2	26.7	23.4	15.6	32.2	1.8	0.3	35.8	28.8
Korea, Rep. of	604	78.8	2.7	9.8	8.4	78.8	0.3	0.0	80.1	77.4
Kuwait	599	10.8	33.6	25.9	20.3	10.8	8.1	1.4	11.8	9.5
Lebanon	537	45.5	21.8	18.0	11.0	45.5	3.7	0.0	46.4	44.6
Lithuania	574	33.5	15.8	40.9	7.3	33.5	2.5	0.0	39.3	27.3
Malaysia	641	47.4	14.2	19.8	17.1	47.4	1.4	0.0	44.3	51.1
Malta	673	27.6	26.5	27.5	13.9	27.6	4.2	0.3	29.5	25.6
Morocco	447	14.1	27.6	33.0	18.0	14.1	6.7	0.5	17.2	10.7
Norway	660	9.7	34.5	30.7	18.2	9.7	6.7	0.3	10.1	9.4
Oman	679	18.9	26.8	31.5	18.8	18.9	4.1	0.0	21.4	16.3
Palestinian Nat'l Auth.	607	21.7	23.8	35.1	16.2	21.7	2.7	0.5	29.5	13.6
Qatar	1035	14.4	25.6	37.4	20.1	14.4	2.1	0.4	15.4	13.5
Romania	593	37.4	20.4	32.9	8.0	37.4	1.4	0.0	43.9	31.5
Russian Federation	640	44.2	18.9	27.7	7.8	44.2	0.6	0.7	51.3	36.6
Saudi Arabia	601	10.5	37.9	34.7	12.2	10.5	4.6	0.2	8.2	12.4
Scotland	594	12.5	29.5	34.1	19.0	12.5	4.4	0.5	12.7	12.2
Serbia	570	37.6	22.3	28.2	8.5	37.6	3.5	0.0	43.3	32.4
Singapore	649	69.8	8.2	7.6	13.5	69.8	0.8	0.2	72.9	66.6
Slovenia	591	21.1	29.6	35.3	9.6	21.1	4.4	0.0	25.3	16.4
Sweden	739	7.6	37.7	36.7	12.7	7.6	4.4	0.9	6.6	8.7
Syrian Arab Republic	658	17.2	39.5	30.4	10.4	17.2	2.1	0.5	15.0	19.5
Thailand	765	25.8	25.0	35.0	13.0	25.8	1.0	0.1	30.1	21.7
Tunisia	565	16.4	22.2	48.1	8.4	16.4	4.4	0.5	17.0	15.8
Turkey	658	36.3	24.9	25.4	11.7	36.3	1.5	0.2	36.6	36.1
Ukraine	623	28.3	24.7	41.2	4.8	28.3	0.9	0.0	28.5	28.1
United States	1045	21.2	29.2	30.7	17.1	21.2	1.3	0.5	22.7	19.8
International Avg.	641	29.8	24.3	29.2	13.2	29.8	3.1	0.4	31.7	28.0
Basque Country, Spain	331	29.3	25.0	28.3	12.9	29.3	4.2	0.3	28.3	30.2
British Columbia, Canada	602	24.0	30.1	24.9	18.6	24.0	2.1	0.3	26.9	21.2
Dubai, UAE	438	32.4	23.7	25.8	14.8	32.4	2.3	1.0	31.5	33.3
Massachusetts, US	266	28.6	21.2	32.7	16.5	28.6	1.1	0.0	36.8	19.0
Minnesota, US	261	21.3	27.9	34.0	16.3	21.3	0.5	0.0	16.7	27.7
Ontario, Canada	486	28.9	26.5	23.0	18.6	28.9	2.8	0.3	27.8	30.1
Quebec, Canada	563	29.3	22.1	27.4	17.3	29.3	3.6	0.3	32.0	26.6

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Number / Applying (M032160 - M07_03)
 Label: An alloy is made of gold and silver
 Type: MC Key: D

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	774	13.6	10.4	53.0	16.2	13.6	6.4	0.4	12.2	15.0
Armenia	668	28.3	8.8	37.7	11.9	28.3	10.7	2.6	28.7	28.0
Australia	573	23.7	5.4	43.6	23.9	23.7	3.2	0.2	17.8	29.8
Bahrain	599	15.4	16.1	42.2	23.2	15.4	2.9	0.1	14.5	16.2
Bosnia and Herzegovina	604	14.4	9.5	56.3	11.2	14.4	8.1	0.4	13.2	15.8
Botswana	.	.	.	.	.	.	.	.	.	.
Bulgaria	573	21.5	22.4	39.6	11.1	21.5	3.9	1.6	22.5	20.3
Chinese Taipei	573	67.4	7.0	16.5	8.4	67.4	0.8	0.0	63.9	70.6
Colombia	687	18.4	13.7	42.4	19.6	18.4	4.7	1.2	17.6	19.3
Cyprus	623	24.2	11.0	43.6	17.8	24.2	3.3	0.1	24.2	24.3
Czech Republic	688	26.9	14.4	43.5	12.8	26.9	2.4	0.0	20.9	32.1
Egypt	938	17.2	11.7	50.3	18.0	17.2	2.7	0.0	16.0	18.4
El Salvador	576	18.6	20.1	32.9	22.3	18.6	5.5	0.6	18.1	19.1
England	562	25.0	11.0	43.2	19.9	25.0	0.6	0.2	22.0	27.9
Georgia	595	22.3	12.6	48.9	8.5	22.3	6.9	0.9	20.8	23.6
Ghana	750	14.5	23.2	44.3	12.8	14.5	3.3	2.0	15.8	13.3
Hong Kong SAR	496	49.0	10.7	28.2	10.8	49.0	0.5	0.8	47.4	50.7
Hungary	587	26.8	11.5	48.4	11.2	26.8	2.1	0.0	18.3	33.9
Indonesia	596	10.9	13.5	61.7	10.7	10.9	3.1	0.2	9.5	12.2
Iran, Islamic Rep. of	556	25.1	17.8	38.8	16.0	25.1	1.9	0.2	26.2	24.3
Israel	463	19.2	15.4	43.8	13.0	19.2	6.9	1.7	17.5	21.3
Italy	636	19.8	9.5	50.8	16.8	19.8	2.8	0.2	12.4	26.6
Japan	615	37.6	7.9	38.3	15.7	37.6	0.4	0.2	35.1	40.1
Jordan	749	20.6	12.7	43.2	20.4	20.6	2.9	0.3	18.0	22.9
Korea, Rep. of	604	59.8	6.5	26.7	6.5	59.8	0.4	0.2	51.1	68.0
Kuwait	599	11.8	19.8	39.5	21.0	11.8	6.4	1.5	11.6	12.1
Lebanon	539	13.2	10.8	56.8	12.1	13.2	7.1	0.0	9.2	17.7
Lithuania	574	21.3	15.2	50.5	10.2	21.3	2.8	0.0	14.6	28.5
Malaysia	642	22.2	11.1	50.1	12.9	22.2	3.5	0.1	21.5	23.0
Malta	674	16.4	9.1	55.9	16.1	16.4	2.1	0.3	14.5	18.5
Morocco	447	15.2	15.9	42.6	21.9	15.2	3.9	0.5	16.4	13.9
Norway	660	15.6	5.4	50.0	24.6	15.6	4.0	0.4	12.8	18.2
Oman	679	15.6	16.5	41.2	21.1	15.6	5.5	0.1	14.7	16.6
Palestinian Nat'l Auth.	.	.	.	.	.	.	.	.	.	.
Qatar	1035	20.5	17.2	37.0	23.3	20.5	1.7	0.4	22.6	18.3
Romania	594	18.7	17.0	45.2	16.1	18.7	2.9	0.0	15.6	21.5
Russian Federation	640	24.7	11.3	50.0	11.2	24.7	1.9	0.8	18.1	31.7
Saudi Arabia	602	16.3	16.0	37.3	27.4	16.3	2.9	0.2	15.6	16.9
Scotland	594	20.7	8.1	49.5	18.0	20.7	3.3	0.5	19.1	22.6
Serbia	566	18.9	6.6	56.8	7.5	18.9	10.2	0.0	13.2	23.9
Singapore	649	53.4	6.1	32.2	7.0	53.4	1.2	0.2	51.3	55.5
Slovenia	591	20.1	12.1	47.5	17.7	20.1	2.6	0.0	14.2	26.7
Sweden	739	25.6	9.2	39.8	21.6	25.6	2.8	0.9	24.0	27.2
Syrian Arab Republic	.	.	.	.	.	.	.	.	.	.
Thailand	765	24.5	12.0	42.1	20.1	24.5	1.2	0.1	21.9	26.9
Tunisia	565	14.1	12.4	46.8	21.9	14.1	4.1	0.7	10.0	18.1
Turkey	658	24.7	10.0	48.9	14.2	24.7	2.0	0.2	20.4	28.6
Ukraine	623	21.6	12.1	51.2	12.7	21.6	2.4	0.0	15.5	28.5
United States	1045	17.1	8.1	60.2	13.0	17.1	1.1	0.5	14.6	19.5
International Avg.	643	23.3	12.3	44.5	15.9	23.3	3.5	0.5	20.8	25.8
Basque Country, Spain	331	22.2	12.1	41.2	20.0	22.2	4.1	0.3	22.4	22.0
British Columbia, Canada	602	20.2	9.7	47.8	19.4	20.2	2.6	0.3	18.5	21.8
Dubai, UAE	439	16.0	14.5	48.6	16.9	16.0	2.9	1.0	13.7	18.2
Massachusetts, US	266	21.2	6.2	54.5	17.3	21.2	0.9	0.0	15.9	27.4
Minnesota, US	261	17.6	8.4	57.6	15.8	17.6	0.6	0.0	15.2	20.9
Ontario, Canada	486	19.7	8.7	51.6	18.4	19.7	1.3	0.3	18.0	21.4
Quebec, Canada	563	24.4	9.3	44.1	19.1	24.4	2.8	0.3	15.6	33.2

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Algebra / Applying (M032273 - M07_04)
 Label: Rule for the pattern of 2,5,11,23
 Type: MC Key: B

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	774	44.6	11.2	44.6	23.1	9.7	10.5	0.9	43.8	45.3
Armenia	666	62.9	5.7	62.9	10.7	5.4	12.2	3.1	62.4	63.4
Australia	572	75.1	8.5	75.1	10.6	3.6	2.0	0.2	74.2	76.0
Bahrain	599	52.5	16.9	52.5	20.6	8.0	1.8	0.1	58.8	46.6
Bosnia and Herzegovina	604	46.9	15.1	46.9	14.6	5.4	17.4	0.5	46.1	47.7
Botswana	595	53.9	14.9	53.9	19.4	8.0	3.7	0.2	57.1	50.0
Bulgaria	573	68.5	7.2	68.5	13.2	5.4	4.2	1.6	73.5	63.1
Chinese Taipei	573	83.5	6.6	83.5	6.0	3.0	1.0	0.0	85.7	81.5
Colombia	687	50.9	13.2	50.9	22.1	7.7	4.5	1.5	49.9	51.9
Cyprus	623	68.4	10.7	68.4	13.4	6.1	1.2	0.1	70.0	66.9
Czech Republic	688	80.5	4.5	80.5	7.5	2.5	5.0	0.0	82.4	78.8
Egypt	936	57.8	13.7	57.8	14.8	11.9	1.8	0.0	60.0	55.6
El Salvador	576	35.8	24.8	35.8	23.9	10.1	4.3	1.1	39.9	31.3
England	562	78.3	8.1	78.3	9.7	2.8	0.8	0.2	78.8	77.8
Georgia	595	53.7	14.5	53.7	15.8	7.3	7.3	1.4	55.0	52.4
Ghana	750	42.1	25.3	42.1	14.3	11.4	4.1	2.7	41.5	42.7
Hong Kong SAR	496	81.9	6.6	81.9	8.4	2.0	0.4	0.8	85.5	78.1
Hungary	587	86.7	4.5	86.7	6.6	1.1	1.1	0.0	87.4	86.1
Indonesia	596	52.0	14.8	52.0	18.7	12.0	2.3	0.2	54.0	50.0
Iran, Islamic Rep. of	556	54.9	13.7	54.9	19.7	8.9	2.4	0.3	52.1	57.2
Israel	463	63.4	9.5	63.4	13.8	4.4	6.9	2.1	63.6	63.0
Italy	637	74.7	6.7	74.7	12.2	4.6	1.6	0.3	79.6	70.1
Japan	615	89.4	3.3	89.4	6.0	0.7	0.4	0.2	89.6	89.2
Jordan	749	64.0	12.1	64.0	14.1	7.5	2.1	0.3	67.4	60.9
Korea, Rep. of	604	92.4	2.5	92.4	3.7	1.3	0.0	0.2	93.1	91.7
Kuwait	599	50.3	15.7	50.3	17.7	10.4	4.2	1.7	51.4	49.0
Lebanon	528	53.6	9.4	53.6	18.1	10.3	8.5	0.2	50.7	56.8
Lithuania	574	69.7	14.2	69.7	9.1	4.4	2.5	0.0	71.4	67.8
Malaysia	642	56.4	13.1	56.4	18.9	9.9	1.3	0.4	56.8	56.0
Malta	670	68.8	8.2	68.8	11.9	6.7	4.0	0.3	72.0	65.5
Morocco	449	50.2	11.8	50.2	22.5	8.7	6.3	0.5	51.5	48.5
Norway	660	70.2	9.8	70.2	12.5	4.7	2.1	0.6	68.1	72.2
Oman	679	54.5	14.8	54.5	15.8	10.8	4.1	0.1	58.4	50.5
Palestinian Nat'l Auth.	607	48.1	14.2	48.1	21.7	12.0	3.0	1.0	55.3	40.6
Qatar	1035	39.1	19.0	39.1	23.3	16.9	1.1	0.6	44.2	33.9
Romania	594	64.2	11.2	64.2	16.3	4.8	3.5	0.1	67.2	61.5
Russian Federation	640	79.9	4.7	79.9	5.9	5.1	3.5	0.8	80.5	79.4
Saudi Arabia	601	43.2	17.6	43.2	25.7	10.3	2.8	0.3	41.6	44.6
Scotland	594	74.8	6.5	74.8	9.9	6.1	2.1	0.7	74.5	75.2
Serbia	571	70.1	10.7	70.1	8.9	2.6	7.5	0.1	73.9	66.7
Singapore	649	80.4	5.7	80.4	9.4	3.5	0.7	0.2	80.9	80.0
Slovenia	591	74.7	4.5	74.7	14.4	4.2	2.3	0.0	74.4	74.9
Sweden	739	62.3	9.4	62.3	15.9	7.4	3.9	1.1	65.8	59.0
Syrian Arab Republic	658	49.4	13.8	49.4	21.4	10.2	4.7	0.5	46.1	53.1
Thailand	765	52.8	14.4	52.8	19.6	10.1	2.8	0.2	55.5	50.3
Tunisia	565	51.3	10.0	51.3	23.4	9.8	4.6	1.0	51.9	50.6
Turkey	658	59.7	12.7	59.7	16.2	8.5	2.3	0.6	62.0	57.4
Ukraine	623	68.1	11.7	68.1	12.2	5.7	2.4	0.0	69.6	66.4
United States	1045	80.2	6.6	80.2	8.1	3.9	0.7	0.5	83.0	77.5
International Avg.	641	63.0	11.1	63.0	14.7	6.9	3.7	0.6	64.4	61.5
Basque Country, Spain	331	77.4	4.5	77.4	11.7	4.1	2.0	0.3	77.6	77.2
British Columbia, Canada	602	79.5	7.3	79.5	8.6	2.5	1.8	0.3	79.7	79.2
Dubai, UAE	439	68.4	8.9	68.4	14.3	4.3	3.0	1.0	68.9	68.0
Massachusetts, US	266	85.3	5.2	85.3	6.2	2.1	1.3	0.0	84.5	86.3
Minnesota, US	261	82.5	6.2	82.5	7.7	3.2	0.5	0.0	80.3	85.5
Ontario, Canada	486	85.2	3.4	85.2	6.0	3.6	1.5	0.3	87.7	82.6
Quebec, Canada	563	75.8	7.8	75.8	12.3	2.0	1.9	0.3	75.5	76.1

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Algebra / Knowing (M032540 - M07_05)
 Label: 3 times(2x minus 1)plus 2x equals 21
 Type: MC Key: D

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	774	35.7	20.3	12.7	19.2	35.7	11.3	0.9	34.7	36.7
Armenia	664	67.9	7.4	4.1	9.6	67.9	7.5	3.5	69.8	65.7
Australia	573	55.9	11.6	7.7	20.6	55.9	4.0	0.2	53.9	57.9
Bahrain	599	50.1	17.1	10.3	20.5	50.1	1.8	0.1	57.7	43.0
Bosnia and Herzegovina	604	66.1	9.3	3.7	11.8	66.1	8.5	0.5	69.8	62.2
Botswana	595	46.1	23.5	10.0	15.1	46.1	4.8	0.4	47.9	44.0
Bulgaria	573	69.5	9.9	5.8	10.1	69.5	3.2	1.6	74.4	64.1
Chinese Taipei	573	81.9	4.4	3.6	9.1	81.9	0.9	0.0	87.2	77.1
Colombia	687	46.9	24.0	7.0	13.7	46.9	6.5	2.0	46.7	47.0
Cyprus	623	62.1	12.3	7.3	15.6	62.1	2.5	0.1	65.1	59.2
Czech Republic	688	69.1	8.3	1.6	13.5	69.1	7.1	0.3	69.4	68.8
Egypt	936	48.7	17.5	14.9	16.2	48.7	2.5	0.1	48.3	49.1
El Salvador	576	48.7	25.6	7.7	11.2	48.7	5.4	1.4	49.1	48.3
England	562	61.6	12.5	4.3	18.4	61.6	3.0	0.2	62.9	60.4
Georgia	595	57.8	13.6	7.3	11.8	57.8	7.8	1.8	60.7	55.0
Ghana	750	44.5	20.4	12.3	16.7	44.5	3.4	2.7	42.1	46.7
Hong Kong SAR	496	72.7	5.4	5.7	15.0	72.7	0.5	0.8	76.7	68.6
Hungary	587	72.5	6.5	5.2	11.7	72.5	4.2	0.0	77.6	68.2
Indonesia	596	45.9	22.2	12.9	16.3	45.9	2.5	0.2	46.0	45.8
Iran, Islamic Rep. of	558	46.2	21.8	10.9	17.0	46.2	3.8	0.3	52.3	41.4
Israel	463	68.6	6.5	4.5	15.0	68.6	3.1	2.3	72.7	63.7
Italy	637	62.4	12.6	6.5	12.8	62.4	5.4	0.3	60.5	64.2
Japan	615	81.4	2.8	3.5	11.1	81.4	1.0	0.2	83.7	79.2
Jordan	749	54.7	13.7	11.2	17.1	54.7	3.1	0.3	55.6	53.8
Korea, Rep. of	604	83.8	3.1	2.0	10.8	83.8	0.2	0.2	85.0	82.7
Kuwait	599	32.3	18.7	17.6	22.5	32.3	7.0	1.8	34.6	29.7
Lebanon	536	65.8	12.4	5.3	12.5	65.8	3.8	0.2	67.0	64.4
Lithuania	573	68.6	10.1	4.7	11.0	68.6	5.6	0.0	72.1	64.9
Malaysia	642	50.5	19.5	7.4	18.5	50.5	3.5	0.6	50.4	50.5
Malta	672	65.3	8.5	7.2	15.5	65.3	3.2	0.3	70.5	59.8
Morocco	448	40.1	22.0	11.2	17.4	40.1	8.8	0.5	40.1	40.3
Norway	660	39.6	17.0	6.5	27.1	39.6	9.2	0.6	42.0	37.4
Oman	679	48.4	19.8	10.7	18.0	48.4	3.0	0.1	50.6	46.1
Palestinian Nat'l Auth.	607	46.1	18.4	14.3	17.1	46.1	3.2	1.0	52.9	39.0
Qatar	1035	36.0	21.0	18.4	23.0	36.0	0.9	0.7	40.1	31.7
Romania	594	70.1	14.0	3.8	9.9	70.1	2.1	0.1	76.8	64.1
Russian Federation	640	75.8	7.9	2.0	9.0	75.8	4.5	0.8	77.2	74.2
Saudi Arabia	602	35.5	28.2	13.5	18.3	35.5	3.9	0.6	37.0	34.1
Scotland	594	55.1	12.1	4.7	20.4	55.1	7.0	0.7	54.5	55.8
Serbia	571	72.3	9.1	3.0	10.0	72.3	5.5	0.1	76.1	68.8
Singapore	649	78.1	4.6	4.5	12.2	78.1	0.5	0.2	81.7	74.3
Slovenia	591	59.7	10.9	4.8	19.4	59.7	5.3	0.0	63.0	55.9
Sweden	739	50.6	10.6	7.4	22.1	50.6	8.1	1.1	50.3	50.9
Syrian Arab Republic	658	48.6	21.3	13.2	13.3	48.6	3.2	0.5	47.8	49.4
Thailand	765	46.7	19.6	11.6	18.1	46.7	3.7	0.4	50.9	42.7
Tunisia	565	44.1	16.1	12.0	20.5	44.1	6.0	1.2	40.6	47.6
Turkey	658	57.6	15.5	8.6	12.8	57.6	4.9	0.6	58.1	57.0
Ukraine	623	64.7	12.7	4.8	12.7	64.7	4.7	0.3	63.9	65.6
United States	1045	68.8	8.7	3.7	16.8	68.8	1.4	0.5	69.1	68.6
International Avg.	641	57.6	14.1	7.8	15.5	57.6	4.3	0.7	59.5	55.6
Basque Country, Spain	331	73.5	8.2	3.9	11.0	73.5	3.1	0.3	80.8	66.7
British Columbia, Canada	602	64.1	13.7	3.5	15.8	64.1	2.7	0.3	63.6	64.5
Dubai, UAE	439	63.3	8.3	6.5	17.8	63.3	3.1	1.0	69.0	58.0
Massachusetts, US	266	68.4	9.1	3.8	15.0	68.4	3.7	0.0	66.8	70.2
Minnesota, US	261	67.2	11.4	5.3	15.1	67.2	1.0	0.0	69.3	64.4
Ontario, Canada	486	63.3	7.3	6.7	17.9	63.3	4.5	0.3	64.5	62.0
Quebec, Canada	563	69.0	7.3	2.9	16.2	69.0	3.6	1.0	70.6	67.4

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Algebra / Knowing (M032698 - M07_06)
 Label: Number of jackets Anna has using n
 Type: MC Key: A

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	774	26.6	26.6	30.3	14.0	22.9	4.5	1.7	26.1	27.2
Armenia	667	41.4	41.4	33.8	6.7	9.5	5.2	3.5	43.4	39.0
Australia	572	48.9	48.9	28.8	9.4	11.0	1.8	0.2	48.9	48.9
Bahrain	599	28.4	28.4	40.6	9.4	19.9	1.4	0.4	32.3	24.6
Bosnia and Herzegovina	604	33.9	33.9	37.4	10.3	13.8	4.1	0.5	33.1	34.7
Botswana	595	14.6	14.6	26.4	20.4	36.5	1.2	0.9	17.4	11.2
Bulgaria	573	38.2	38.2	35.9	9.7	12.5	2.2	1.6	35.9	40.7
Chinese Taipei	573	76.8	76.8	18.0	2.7	1.6	0.9	0.0	78.2	75.5
Colombia	687	35.0	35.0	26.7	16.0	18.1	1.9	2.4	35.6	34.4
Cyprus	623	45.6	45.6	38.1	6.6	8.5	0.8	0.4	43.7	47.4
Czech Republic	688	55.8	55.8	28.6	5.9	7.8	1.6	0.4	49.8	60.9
Egypt	934	34.2	34.2	28.8	19.5	16.0	1.4	0.1	34.8	33.7
El Salvador	576	29.0	29.0	20.6	20.3	25.5	3.2	1.4	25.2	33.3
England	562	48.2	48.2	32.6	5.7	12.1	1.1	0.2	45.7	50.5
Georgia	.	.	.	.	.	.	.	.	.	.
Ghana	750	25.3	25.3	23.2	19.8	26.0	2.6	3.0	23.2	27.3
Hong Kong SAR	496	65.9	65.9	26.6	2.9	3.5	0.4	0.8	68.3	63.6
Hungary	587	60.1	60.1	28.5	6.2	4.5	0.7	0.0	64.5	56.4
Indonesia	596	32.4	32.4	23.1	18.9	24.2	1.3	0.2	33.1	31.7
Iran, Islamic Rep. of	558	27.3	27.3	31.2	15.1	25.4	0.7	0.3	29.2	25.9
Israel	463	43.5	43.5	30.0	8.4	13.6	2.0	2.5	39.9	47.7
Italy	637	60.4	60.4	22.7	6.9	7.0	2.5	0.5	58.9	61.8
Japan	615	56.9	56.9	36.0	4.0	2.4	0.6	0.2	57.4	56.3
Jordan	749	24.3	24.3	41.0	15.5	17.8	1.1	0.3	20.0	28.2
Korea, Rep. of	604	65.7	65.7	25.8	4.9	3.4	0.0	0.2	64.5	66.9
Kuwait	599	27.7	27.7	40.5	13.4	12.6	3.8	2.1	28.2	27.1
Lebanon	539	29.0	29.0	30.9	13.7	22.8	2.9	0.8	28.4	29.7
Lithuania	573	50.8	50.8	28.4	8.0	11.4	1.4	0.0	50.8	50.7
Malaysia	642	40.2	40.2	20.7	18.7	19.0	0.7	0.6	37.5	43.6
Malta	674	41.4	41.4	31.5	10.0	15.4	1.4	0.3	41.9	40.9
Morocco	448	31.7	31.7	33.8	13.4	17.0	3.1	1.1	32.6	30.8
Norway	660	38.1	38.1	23.9	14.1	18.9	4.4	0.6	39.4	36.9
Oman	679	20.2	20.2	43.2	11.0	23.5	2.0	0.1	21.1	19.2
Palestinian Nat'l Auth.	607	19.5	19.5	32.4	17.1	28.9	1.0	1.0	21.4	17.6
Qatar	1035	21.1	21.1	36.6	18.7	21.8	1.1	0.7	21.5	20.8
Romania	594	35.2	35.2	32.5	8.2	22.0	2.0	0.1	41.3	29.7
Russian Federation	640	57.6	57.6	28.3	5.9	6.5	0.9	0.8	58.2	56.9
Saudi Arabia	600	17.2	17.2	36.7	15.4	28.1	2.0	0.6	15.9	18.3
Scotland	594	46.0	46.0	27.6	8.2	15.2	2.5	0.7	50.0	41.4
Serbia	571	46.3	46.3	31.5	10.7	9.7	1.7	0.1	45.6	46.9
Singapore	649	76.2	76.2	15.1	4.4	3.9	0.3	0.2	79.7	72.6
Slovenia	591	44.1	44.1	31.4	7.7	13.6	3.2	0.0	38.3	50.6
Sweden	739	60.9	60.9	19.5	9.4	7.6	1.4	1.3	61.8	60.1
Syrian Arab Republic	658	28.9	28.9	34.7	13.3	21.7	0.9	0.5	27.4	30.6
Thailand	765	35.6	35.6	22.6	13.4	26.1	1.7	0.5	37.1	34.2
Tunisia	565	36.9	36.9	29.0	14.3	15.9	2.1	1.8	35.3	38.5
Turkey	658	42.6	42.6	33.0	5.8	16.8	1.3	0.6	43.1	42.1
Ukraine	623	45.3	45.3	37.1	7.1	10.2	0.1	0.3	43.3	47.5
United States	1045	47.5	47.5	34.6	6.3	10.2	0.9	0.6	46.2	48.7
International Avg.	642	40.8	40.8	30.2	11.0	15.5	1.8	0.8	40.7	40.9
Basque Country, Spain	331	62.5	62.5	22.5	8.2	6.1	0.3	0.3	63.9	61.2
British Columbia, Canada	602	54.0	54.0	25.1	6.4	12.7	1.5	0.3	54.3	53.8
Dubai, UAE	439	44.0	44.0	29.6	6.7	16.2	2.5	1.0	40.8	47.1
Massachusetts, US	266	53.5	53.5	28.5	6.5	9.0	2.3	0.2	51.6	55.7
Minnesota, US	261	51.7	51.7	35.4	5.4	7.5	0.0	0.0	50.9	52.7
Ontario, Canada	486	49.0	49.0	31.6	7.0	10.8	1.0	0.6	48.1	50.0
Quebec, Canada	563	49.8	49.8	32.7	5.0	10.4	1.1	1.0	54.3	45.3

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Geometry / Applying (M032097 - M07_07)
 Label: How many frogs in circular pond
 Type: MC Key: C

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	776	23.9	25.5	30.2	23.9	8.6	9.9	1.9	22.2	25.5
Armenia	670	38.1	20.5	13.8	38.1	3.9	19.8	3.9	38.7	37.4
Australia	573	24.0	41.6	29.1	24.0	3.4	1.7	0.2	23.4	24.6
Bahrain	599	20.5	34.4	23.6	20.5	14.8	6.0	0.6	17.9	23.1
Bosnia and Herzegovina	604	20.8	33.7	24.4	20.8	3.8	16.5	0.8	23.2	18.3
Botswana	599	18.9	30.1	23.8	18.9	18.1	8.2	0.9	21.1	16.4
Bulgaria	573	38.2	27.0	22.3	38.2	3.8	6.5	2.2	41.3	34.8
Chinese Taipei	573	59.1	17.9	18.7	59.1	2.6	1.7	0.0	53.7	64.0
Colombia	687	16.2	45.6	22.1	16.2	8.0	5.4	2.7	16.1	16.2
Cyprus	623	26.4	33.4	28.0	26.4	4.6	7.3	0.4	24.2	28.5
Czech Republic	681	31.9	35.6	22.0	31.9	2.3	7.8	0.4	34.3	29.8
Egypt	937	21.8	35.3	22.6	21.8	14.9	5.3	0.1	18.2	25.3
El Salvador	576	14.8	49.7	19.0	14.8	8.1	6.5	1.9	16.0	13.5
England	562	27.8	35.4	31.3	27.8	2.4	2.6	0.4	28.8	26.9
Georgia	593	20.7	42.0	15.6	20.7	6.7	13.0	2.0	17.8	23.5
Ghana	750	15.8	42.2	18.3	15.8	12.2	8.2	3.2	13.5	17.9
Hong Kong SAR	496	44.8	28.6	20.5	44.8	3.9	1.5	0.8	44.7	44.8
Hungary	587	34.1	31.3	27.4	34.1	2.5	4.8	0.0	33.9	34.2
Indonesia	596	23.7	38.5	18.7	23.7	12.5	6.3	0.2	25.7	21.7
Iran, Islamic Rep. of	558	25.3	38.0	16.8	25.3	11.6	7.8	0.4	26.8	24.1
Israel	463	21.0	33.9	27.9	21.0	3.0	11.6	2.5	21.4	20.5
Italy	637	33.2	27.4	24.0	33.2	5.7	9.2	0.5	32.3	34.1
Japan	615	50.4	20.2	25.2	50.4	2.5	1.4	0.2	52.3	48.5
Jordan	749	22.6	28.4	35.1	22.6	9.6	4.0	0.3	16.5	28.1
Korea, Rep. of	604	57.7	15.1	22.6	57.7	4.3	0.2	0.2	57.0	58.3
Kuwait	599	16.6	30.6	27.3	16.6	15.5	7.6	2.3	16.7	16.5
Lebanon	538	30.5	29.3	22.8	30.5	3.8	12.8	0.9	29.4	31.7
Lithuania	574	30.4	36.4	21.7	30.4	2.2	9.3	0.0	30.7	30.0
Malaysia	642	36.5	22.2	26.9	36.5	8.1	5.8	0.6	33.1	40.6
Malta	674	30.6	31.2	27.7	30.6	5.8	4.4	0.3	30.4	30.8
Morocco	449	23.5	31.4	26.9	23.5	10.6	6.2	1.4	30.1	16.1
Norway	660	22.4	36.5	33.7	22.4	2.0	4.7	0.6	21.3	23.5
Oman	679	22.3	30.9	24.9	22.3	14.4	7.0	0.5	20.9	23.8
Palestinian Nat'l Auth.	607	20.1	31.5	29.4	20.1	13.5	4.3	1.2	17.2	23.1
Qatar	1035	23.3	29.5	30.3	23.3	14.1	2.0	0.7	24.1	22.5
Romania	594	28.1	41.8	22.1	28.1	2.5	5.4	0.1	32.5	24.2
Russian Federation	640	25.8	38.4	21.4	25.8	3.7	9.9	0.8	25.9	25.7
Saudi Arabia	602	15.9	42.4	25.3	15.9	11.8	3.9	0.7	17.3	14.7
Scotland	594	25.2	41.5	25.8	25.2	2.3	4.5	0.7	24.7	25.8
Serbia	564	25.7	27.3	30.0	25.7	2.5	14.3	0.2	22.6	28.4
Singapore	649	63.6	17.0	15.7	63.6	1.8	1.8	0.2	64.4	62.9
Slovenia	591	23.3	36.2	32.3	23.3	1.9	6.3	0.0	23.0	23.6
Sweden	739	31.4	32.1	28.7	31.4	1.9	4.7	1.3	31.8	31.0
Syrian Arab Republic	658	25.9	32.7	26.7	25.9	12.7	1.5	0.5	24.2	27.7
Thailand	765	30.8	28.1	28.0	30.8	6.8	5.9	0.5	30.8	30.7
Tunisia	566	25.5	27.7	29.0	25.5	9.5	6.5	1.8	26.5	24.5
Turkey	658	28.5	32.1	18.3	28.5	9.4	11.1	0.6	26.1	30.6
Ukraine	623	22.6	44.4	24.9	22.6	3.1	4.8	0.3	25.5	19.4
United States	1045	30.8	37.2	25.8	30.8	3.9	1.7	0.6	30.2	31.4
International Avg.	641	28.4	32.6	24.7	28.4	6.9	6.5	0.9	28.2	28.5
Basque Country, Spain	331	35.0	30.0	23.4	35.0	4.6	6.8	0.3	42.6	27.7
British Columbia, Canada	602	25.5	39.0	28.4	25.5	3.8	3.1	0.3	27.7	23.3
Dubai, UAE	438	24.6	27.4	28.3	24.6	8.1	10.3	1.2	29.2	20.1
Massachusetts, US	266	36.0	34.8	20.6	36.0	4.6	3.7	0.2	39.7	31.7
Minnesota, US	261	37.2	35.2	23.0	37.2	4.5	0.1	0.0	34.3	41.1
Ontario, Canada	486	26.9	43.4	22.5	26.9	2.0	4.7	0.6	28.7	25.0
Quebec, Canada	563	34.9	36.6	20.1	34.9	2.1	5.0	1.3	33.8	35.9

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Geometry / Applying (M032575 - M07_08)
 Label: Area of figure in square cm
 Type: MC Key: B

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	776	24.4	20.1	24.4	20.3	20.8	12.4	2.0	26.1	22.7
Armenia	666	47.9	11.2	47.9	5.5	17.6	12.9	4.9	43.6	52.7
Australia	573	51.1	15.7	51.1	14.6	16.4	2.1	0.2	46.5	55.9
Bahrain	599	27.8	21.9	27.8	25.0	18.9	5.0	1.4	23.2	32.0
Bosnia and Herzegovina	604	31.2	16.1	31.2	20.5	15.4	15.3	1.6	29.6	33.0
Botswana	598	16.5	24.7	16.5	17.8	33.5	6.2	1.3	13.9	19.7
Bulgaria	573	45.9	20.1	45.9	11.8	15.0	4.6	2.5	42.9	49.1
Chinese Taipei	573	85.0	3.5	85.0	5.0	6.0	0.5	0.0	86.0	84.0
Colombia	687	21.4	22.3	21.4	25.0	22.3	5.9	3.0	16.2	26.5
Cyprus	623	41.4	15.7	41.4	15.1	24.8	2.5	0.6	41.4	41.4
Czech Republic	681	50.0	16.4	50.0	13.3	13.0	6.7	0.5	46.6	53.0
Egypt	935	27.4	22.2	27.4	20.7	25.8	3.5	0.5	27.1	27.8
El Salvador	576	20.0	27.6	20.0	23.6	19.1	6.9	2.7	21.0	19.0
England	562	49.1	13.4	49.1	12.7	21.2	3.1	0.5	47.4	50.8
Georgia	594	36.5	15.4	36.5	16.1	22.3	7.0	2.7	32.3	40.4
Ghana	750	16.5	27.8	16.5	15.4	32.1	4.2	4.1	14.4	18.3
Hong Kong SAR	496	81.7	6.1	81.7	5.3	5.8	0.4	0.8	83.8	79.5
Hungary	587	47.1	21.5	47.1	12.3	12.6	6.5	0.0	40.8	52.4
Indonesia	596	33.1	16.9	33.1	18.4	26.5	4.7	0.4	29.2	37.0
Iran, Islamic Rep. of	558	34.7	15.8	34.7	20.8	24.7	2.2	1.7	32.9	36.2
Israel	463	35.8	22.6	35.8	11.3	20.9	6.4	3.0	34.0	38.0
Italy	637	48.1	8.4	48.1	15.2	23.3	4.2	0.7	47.9	48.2
Japan	615	84.4	2.9	84.4	5.9	5.6	0.6	0.5	84.6	84.2
Jordan	749	31.8	20.6	31.8	18.2	25.7	3.3	0.3	32.1	31.6
Korea, Rep. of	604	80.5	3.8	80.5	7.7	7.6	0.2	0.2	82.5	78.6
Kuwait	599	21.1	26.2	21.1	24.4	19.5	5.8	3.0	21.5	20.7
Lebanon	534	29.8	16.5	29.8	24.6	19.0	8.8	1.3	24.6	35.9
Lithuania	574	52.9	15.3	52.9	11.9	13.6	6.3	0.0	51.8	54.0
Malaysia	642	45.8	14.8	45.8	16.3	19.2	3.0	0.9	43.1	49.1
Malta	674	60.3	9.2	60.3	11.2	17.1	1.9	0.3	57.5	63.2
Morocco	449	26.7	26.2	26.7	18.6	18.6	8.4	1.4	24.6	29.3
Norway	660	42.6	15.4	42.6	20.8	16.2	4.4	0.6	42.1	43.1
Oman	679	24.7	22.6	24.7	26.6	20.3	4.8	1.0	27.9	21.4
Palestinian Nat'l Auth.	607	22.4	23.5	22.4	24.2	24.6	4.2	1.2	24.5	20.3
Qatar	1035	24.5	26.6	24.5	28.9	18.2	1.0	0.8	23.1	25.9
Romania	594	41.0	20.0	41.0	16.9	18.4	3.6	0.1	43.2	39.0
Russian Federation	640	53.1	10.0	53.1	12.9	16.6	5.6	1.8	53.1	53.0
Saudi Arabia	600	21.8	28.0	21.8	24.0	20.8	4.3	1.1	19.0	24.2
Scotland	594	44.1	19.4	44.1	16.9	14.2	4.8	0.7	41.7	46.8
Serbia	566	45.9	11.2	45.9	14.2	18.1	9.8	0.9	48.0	44.0
Singapore	649	79.8	3.1	79.8	7.2	9.3	0.4	0.2	77.1	82.6
Slovenia	591	48.9	8.9	48.9	20.5	16.1	5.7	0.0	46.4	51.8
Sweden	739	51.2	9.1	51.2	14.7	21.2	2.3	1.4	54.3	48.3
Syrian Arab Republic	658	25.6	19.1	25.6	30.7	22.3	1.8	0.5	20.6	31.1
Thailand	765	37.3	15.4	37.3	21.1	22.7	2.6	0.9	38.3	36.4
Tunisia	566	30.8	21.4	30.8	19.3	22.8	3.0	2.6	28.2	33.4
Turkey	658	27.1	24.7	27.1	17.9	24.2	5.5	0.6	28.0	26.2
Ukraine	623	31.4	22.5	31.4	16.0	25.2	4.3	0.7	29.1	33.9
United States	1045	44.9	13.6	44.9	14.9	24.4	1.5	0.7	42.4	47.3
International Avg.	641	40.9	17.1	40.9	17.0	19.2	4.7	1.2	39.5	42.3
Basque Country, Spain	331	49.9	13.9	49.9	12.9	17.0	5.9	0.3	50.9	49.0
British Columbia, Canada	602	49.5	16.6	49.5	12.2	17.1	4.4	0.3	48.1	50.7
Dubai, UAE	439	35.5	14.7	35.5	18.7	24.6	5.1	1.4	34.6	36.3
Massachusetts, US	266	53.5	9.9	53.5	7.3	25.6	3.1	0.6	54.8	51.9
Minnesota, US	261	53.4	9.6	53.4	11.8	24.5	0.8	0.0	48.4	60.2
Ontario, Canada	486	52.0	11.7	52.0	12.5	21.7	1.2	0.9	50.5	53.5
Quebec, Canada	563	66.6	6.7	66.6	8.6	14.7	1.8	1.7	69.6	63.5

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Geometry / Applying (M032414 - M07_09)
 Label: Value of angle x in a figure
 Type: CR Key: -

COUNTRY	N	10	70	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	753	22.2	24.9	33.1	17.6	2.2	22.2	21.7	22.8
Armenia	671	56.0	3.0	17.1	18.3	5.6	56.0	52.6	59.9
Australia	573	19.1	29.3	38.3	13.2	0.2	19.1	20.0	18.1
Bahrain	599	14.7	40.1	30.4	13.1	1.7	14.7	17.7	11.9
Bosnia and Herzegovina	604	14.3	19.4	31.8	32.1	2.3	14.3	14.9	13.6
Botswana	598	6.0	21.8	63.3	6.6	2.3	6.0	5.9	6.2
Bulgaria	573	41.1	14.7	18.6	23.1	2.5	41.1	43.6	38.4
Chinese Taipei	573	67.9	10.8	14.4	6.8	0.0	67.9	71.2	65.0
Colombia	687	8.3	17.1	51.9	19.0	3.8	8.3	7.5	9.0
Cyprus	623	40.6	12.6	24.0	22.2	0.6	40.6	46.0	35.2
Czech Republic	688	31.7	20.9	31.1	15.1	1.2	31.7	28.0	34.9
Egypt	938	22.0	18.9	47.6	10.8	0.6	22.0	24.7	19.5
El Salvador	576	2.9	14.2	54.3	25.6	3.0	2.9	1.9	4.0
England	562	29.2	27.2	29.9	13.2	0.5	29.2	31.2	27.2
Georgia	593	22.8	10.2	25.3	38.2	3.5	22.8	18.2	27.1
Ghana	750	6.6	15.4	57.9	15.7	4.3	6.6	6.9	6.4
Hong Kong SAR	496	59.9	17.9	15.8	5.7	0.8	59.9	61.9	57.9
Hungary	587	37.2	18.2	29.8	14.6	0.3	37.2	37.4	36.9
Indonesia	596	13.0	17.4	54.4	14.4	0.8	13.0	15.4	10.6
Iran, Islamic Rep. of	558	26.9	20.3	37.1	13.8	1.9	26.9	27.9	26.0
Israel	463	39.3	15.3	24.7	17.7	3.0	39.3	40.9	37.5
Italy	637	24.9	16.2	30.5	27.6	0.9	24.9	23.4	26.3
Japan	615	69.9	20.5	6.9	2.2	0.5	69.9	71.7	68.0
Jordan	749	25.3	24.3	41.3	8.5	0.6	25.3	25.6	25.1
Korea, Rep. of	604	76.2	15.0	7.2	1.4	0.2	76.2	78.5	74.0
Kuwait	599	13.7	34.1	35.5	13.3	3.4	13.7	13.6	13.7
Lebanon	540	44.8	22.1	22.7	9.1	1.4	44.8	45.5	44.0
Lithuania	574	31.9	24.4	25.8	17.8	0.1	31.9	32.3	31.5
Malaysia	642	36.7	14.0	40.6	7.2	1.4	36.7	36.5	37.0
Malta	675	29.1	30.1	28.5	12.0	0.3	29.1	28.8	29.5
Morocco	449	17.3	13.6	32.1	34.3	2.6	17.3	16.9	18.0
Norway	660	21.2	13.1	51.5	13.6	0.6	21.2	21.5	20.9
Oman	680	14.5	20.7	55.0	8.6	1.2	14.5	17.4	11.7
Palestinian Nat'l Auth.	607	21.7	26.0	45.3	5.6	1.3	21.7	23.6	19.8
Qatar	1035	4.2	26.3	50.8	17.9	0.8	4.2	4.7	3.7
Romania	594	36.0	17.7	30.2	15.5	0.7	36.0	39.7	32.7
Russian Federation	640	41.4	20.6	20.0	16.1	1.9	41.4	42.1	40.7
Saudi Arabia	602	13.5	27.4	47.9	10.1	1.1	13.5	10.9	15.8
Scotland	594	25.1	27.3	34.1	12.6	0.9	25.1	22.7	27.9
Serbia	571	28.0	16.3	26.5	28.3	0.9	28.0	28.7	27.3
Singapore	649	57.8	18.2	20.8	2.9	0.2	57.8	60.5	55.0
Slovenia	591	27.1	27.6	37.7	7.4	0.3	27.1	23.6	31.0
Sweden	739	28.0	17.4	33.6	19.4	1.5	28.0	33.2	23.1
Syrian Arab Republic	658	21.3	30.9	34.6	12.6	0.5	21.3	20.9	21.8
Thailand	765	20.0	30.9	40.9	7.2	1.0	20.0	22.6	17.5
Tunisia	566	29.8	26.3	30.8	10.5	2.6	29.8	26.8	32.8
Turkey	658	25.2	18.6	37.6	18.0	0.7	25.2	26.6	23.8
Ukraine	623	32.4	19.4	28.3	19.0	0.8	32.4	29.7	35.4
United States	1045	15.8	38.5	39.5	5.5	0.8	15.8	17.4	14.3
International Avg.	641	28.9	21.0	34.0	14.7	1.4	28.9	29.4	28.4
Basque Country, Spain	331	19.2	19.7	35.4	24.7	1.0	19.2	20.0	18.4
British Columbia, Canada	602	17.1	30.2	38.0	14.4	0.3	17.1	17.2	17.0
Dubai, UAE	438	29.3	25.9	30.9	12.5	1.4	29.3	31.3	27.4
Massachusetts, US	266	29.5	42.7	23.5	3.6	0.6	29.5	28.8	30.4
Minnesota, US	261	20.4	39.9	38.2	1.5	0.0	20.4	18.1	23.5
Ontario, Canada	486	27.3	34.4	28.9	8.5	0.9	27.3	27.6	27.0
Quebec, Canada	563	39.1	18.8	29.0	11.5	1.7	39.1	44.3	33.9

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Geometry / Applying (M032294 - M07_10)
 Label: Point P so MNP is isosceles triangle
 Type: MC Key: A

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	776	49.7	49.7	14.1	6.8	22.1	4.4	2.8	46.5	53.0
Armenia	664	52.8	52.8	13.0	9.2	7.6	9.7	7.8	51.8	54.0
Australia	571	51.1	51.1	10.6	19.8	15.3	2.6	0.5	45.7	56.6
Bahrain	599	59.3	59.3	14.8	13.1	9.0	1.3	2.5	67.3	51.8
Bosnia and Herzegovina	604	55.2	55.2	13.3	9.6	13.0	6.1	3.0	55.2	55.1
Botswana	598	29.7	29.7	20.1	29.4	13.6	3.7	3.6	30.0	29.3
Bulgaria	573	58.4	58.4	14.3	8.8	10.8	4.7	3.0	59.6	57.1
Chinese Taipei	573	85.9	85.9	6.0	4.3	3.7	0.0	0.0	87.8	84.3
Colombia	687	30.2	30.2	20.5	18.7	21.7	4.3	4.7	29.9	30.4
Cyprus	623	50.9	50.9	16.7	12.9	16.8	1.6	1.1	55.6	46.3
Czech Republic	688	62.9	62.9	13.1	6.5	13.2	3.1	1.2	63.6	62.2
Egypt	936	57.8	57.8	17.5	14.7	7.6	1.5	0.8	61.6	54.1
El Salvador	576	32.7	32.7	24.0	17.2	17.3	4.8	4.0	31.2	34.4
England	562	63.2	63.2	5.5	20.3	9.0	1.2	0.9	59.8	66.3
Georgia	595	41.3	41.3	14.2	17.7	13.6	7.3	5.9	43.6	39.2
Ghana	750	25.7	25.7	21.3	31.3	11.6	4.0	6.1	26.4	25.2
Hong Kong SAR	496	80.5	80.5	6.9	7.3	3.9	0.6	0.8	85.5	75.4
Hungary	587	73.9	73.9	9.0	7.9	5.9	3.0	0.3	75.4	72.7
Indonesia	596	59.0	59.0	11.0	19.7	7.8	0.8	1.7	57.2	60.8
Iran, Islamic Rep. of	558	48.5	48.5	18.0	17.7	9.7	3.1	3.0	50.6	46.9
Israel	463	64.3	64.3	12.3	12.3	4.7	2.6	3.9	64.5	64.1
Italy	637	61.0	61.0	10.7	8.4	14.6	3.6	1.8	62.6	59.5
Japan	615	81.4	81.4	8.8	4.7	3.5	1.1	0.5	83.4	79.4
Jordan	749	54.0	54.0	15.5	18.3	9.6	1.3	1.3	60.1	48.4
Korea, Rep. of	604	81.6	81.6	8.2	6.6	2.9	0.5	0.2	85.5	77.9
Kuwait	599	62.7	62.7	10.2	14.0	6.8	2.3	4.0	69.7	54.4
Lebanon	536	64.7	64.7	14.5	7.1	9.3	2.7	1.7	65.8	63.4
Lithuania	574	78.1	78.1	5.1	6.0	10.0	0.5	0.3	80.0	76.0
Malaysia	642	73.2	73.2	8.4	8.5	5.6	2.1	2.1	74.9	71.2
Malta	673	64.7	64.7	7.9	18.6	6.3	1.5	0.9	67.5	61.9
Morocco	449	45.5	45.5	19.7	13.5	13.2	3.0	5.1	46.8	43.6
Norway	660	55.5	55.5	14.6	8.3	16.6	4.3	0.7	60.7	50.7
Oman	680	58.8	58.8	16.5	11.8	9.2	1.7	1.9	65.3	52.2
Palestinian Nat'l Auth.	607	40.9	40.9	22.2	22.9	9.9	2.6	1.6	46.9	34.6
Qatar	1035	37.9	37.9	22.9	25.3	11.9	1.2	0.9	43.3	32.3
Romania	594	62.4	62.4	14.7	11.9	8.6	1.7	0.7	68.8	56.7
Russian Federation	640	76.6	76.6	8.8	6.4	3.3	1.9	3.0	79.5	73.6
Saudi Arabia	602	45.7	45.7	22.1	17.0	12.4	1.2	1.6	52.0	40.2
Scotland	594	68.1	68.1	4.6	15.2	9.1	2.0	1.0	66.6	69.9
Serbia	570	67.2	67.2	11.2	9.1	8.4	2.4	1.7	70.9	63.9
Singapore	649	77.1	77.1	9.0	8.9	3.6	1.3	0.2	80.0	74.1
Slovenia	591	79.8	79.8	6.8	4.5	7.0	1.5	0.4	80.1	79.5
Sweden	739	47.9	47.9	16.9	5.8	24.1	3.3	2.0	50.2	45.8
Syrian Arab Republic	658	58.0	58.0	17.4	14.4	7.2	2.0	0.9	55.8	60.4
Thailand	765	54.6	54.6	16.3	13.5	11.9	2.1	1.6	60.0	49.3
Tunisia	565	26.3	26.3	21.8	14.9	29.3	3.9	3.8	20.3	32.2
Turkey	658	37.9	37.9	25.9	21.0	10.9	3.1	1.2	41.5	34.6
Ukraine	623	67.7	67.7	10.1	10.7	9.7	0.9	0.9	68.4	66.9
United States	1045	45.2	45.2	10.2	26.4	16.4	0.9	1.0	43.4	46.9
International Avg.	641	57.3	57.3	13.8	13.4	10.8	2.6	2.1	59.2	55.5
Basque Country, Spain	331	48.6	48.6	13.5	10.9	22.9	2.4	1.7	43.1	53.7
British Columbia, Canada	602	49.7	49.7	11.9	20.8	13.4	3.6	0.5	49.7	49.8
Dubai, UAE	438	49.9	49.9	13.2	18.7	13.5	2.6	2.1	50.7	49.2
Massachusetts, US	266	48.6	48.6	6.5	26.8	16.1	1.1	0.9	48.7	48.4
Minnesota, US	261	46.0	46.0	6.0	29.9	17.4	0.7	0.0	40.8	53.1
Ontario, Canada	486	50.0	50.0	9.9	18.8	18.8	1.0	1.4	48.3	51.8
Quebec, Canada	563	59.7	59.7	9.7	11.1	15.2	1.9	2.3	57.6	61.8

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Data and Chance / Applying (M032688 - M07_11)
 Label: Draw lines in spinner using table
 Type: CR Key: -

COUNTRY	N	10	70	71	72	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	760	12.8	4.8	10.9	2.5	21.6	44.0	3.4	12.8	11.6	14.0
Armenia	671	23.1	1.8	3.2	0.4	23.8	37.9	9.8	23.1	20.4	26.3
Australia	573	48.8	11.0	16.0	3.5	11.4	8.4	0.8	48.8	44.5	53.1
Bahrain	599	19.2	14.6	11.5	2.1	22.3	27.7	2.6	19.2	20.7	17.7
Bosnia and Herzegovina	604	17.4	2.1	3.1	2.4	19.8	51.9	3.2	17.4	17.4	17.3
Botswana	598	3.2	10.2	7.0	0.9	45.3	29.3	4.2	3.2	3.8	2.6
Bulgaria	573	32.2	5.3	13.0	1.7	11.4	33.2	3.3	32.2	29.7	34.9
Chinese Taipei	573	39.6	18.9	11.9	0.3	14.4	14.8	0.0	39.6	39.5	39.8
Colombia	687	23.5	15.2	15.1	2.3	18.0	20.7	5.2	23.5	23.3	23.7
Cyprus	623	25.8	7.7	0.0	2.6	27.6	34.8	1.5	25.8	21.3	30.3
Czech Republic	688	41.8	12.3	10.2	1.9	9.4	23.2	1.2	41.8	37.8	45.3
Egypt	938	11.6	7.3	12.5	1.6	35.0	31.0	1.0	11.6	12.8	10.4
El Salvador	576	10.0	8.2	14.8	5.6	20.5	36.1	4.8	10.0	7.8	12.5
England	562	49.7	17.3	13.4	2.3	10.6	6.0	0.9	49.7	48.5	50.8
Georgia	595	8.3	5.8	5.6	0.7	17.5	55.3	6.8	8.3	9.3	7.5
Ghana	750	1.3	2.0	3.2	0.3	27.9	58.1	7.3	1.3	1.1	1.4
Hong Kong SAR	496	46.6	9.3	5.3	2.3	16.6	19.2	0.8	46.6	48.8	44.4
Hungary	587	49.8	6.5	15.7	1.6	7.9	18.1	0.4	49.8	48.2	51.0
Indonesia	596	15.1	4.1	8.2	0.5	39.4	30.7	1.9	15.1	13.6	16.7
Iran, Islamic Rep. of	558	10.1	8.5	13.0	0.7	28.9	34.9	3.9	10.1	9.8	10.3
Israel	463	32.9	4.8	8.3	2.0	17.9	30.0	4.1	32.9	31.0	35.1
Italy	637	30.2	7.7	6.4	2.1	15.5	36.2	1.8	30.2	24.6	35.5
Japan	615	70.4	2.1	1.1	0.5	15.9	9.4	0.5	70.4	68.2	72.6
Jordan	749	19.6	2.9	7.2	1.8	37.8	28.6	2.2	19.6	21.7	17.8
Korea, Rep. of	604	50.5	21.2	12.3	0.5	8.8	6.3	0.4	50.5	45.5	55.3
Kuwait	599	8.3	1.0	7.8	1.5	33.9	42.8	4.7	8.3	9.1	7.4
Lebanon	540	16.4	5.3	5.8	0.9	20.7	47.4	3.4	16.4	13.7	19.6
Lithuania	574	46.2	1.3	10.8	0.2	10.8	30.4	0.3	46.2	43.3	49.3
Malaysia	642	14.4	8.4	13.3	1.1	33.9	25.7	3.2	14.4	12.8	16.3
Malta	674	29.8	9.0	20.9	1.6	16.3	21.3	1.1	29.8	30.1	29.4
Morocco	450	10.9	1.2	6.9	0.8	20.1	54.9	5.2	10.9	11.9	9.7
Norway	660	43.2	15.6	14.6	1.6	11.7	12.5	0.9	43.2	42.2	44.1
Oman	680	17.7	12.6	11.9	1.3	29.5	24.7	2.4	17.7	18.5	16.8
Palestinian Nat'l Auth.	606	10.6	8.3	6.1	3.4	38.7	31.0	1.8	10.6	13.5	7.6
Qatar	1035	5.4	5.7	10.8	1.8	31.1	44.2	1.0	5.4	6.4	4.3
Romania	594	28.1	0.9	22.4	0.9	12.7	33.9	1.1	28.1	29.4	26.8
Russian Federation	640	44.4	13.9	10.1	2.8	7.6	18.2	3.0	44.4	46.8	41.8
Saudi Arabia	602	7.0	11.2	9.7	1.7	39.2	29.1	2.1	7.0	9.4	4.8
Scotland	594	31.2	18.9	20.2	1.7	16.1	10.9	1.0	31.2	29.4	33.2
Serbia	571	19.5	3.8	2.8	0.1	16.8	55.2	1.8	19.5	13.6	24.7
Singapore	650	53.7	11.6	9.9	1.9	14.8	7.8	0.3	53.7	53.0	54.4
Slovenia	591	40.3	8.7	13.1	1.9	14.5	21.1	0.6	40.3	36.7	44.3
Sweden	739	52.9	6.5	11.4	1.6	8.1	17.1	2.4	52.9	52.3	53.4
Syrian Arab Republic	658	20.8	6.9	7.5	1.5	24.0	38.4	0.9	20.8	20.7	20.8
Thailand	765	22.8	9.2	18.8	3.7	15.7	28.0	1.8	22.8	25.5	20.2
Tunisia	565	23.6	7.9	11.9	0.9	20.7	30.7	4.3	23.6	22.2	24.9
Turkey	658	23.1	7.8	5.6	1.3	31.4	29.2	1.5	23.1	24.8	21.5
Ukraine	623	27.8	12.0	15.2	1.5	17.9	24.2	1.3	27.8	26.8	28.9
United States	1045	46.9	17.5	17.7	2.5	8.8	5.2	1.4	46.9	44.8	48.8
International Avg.	641	27.3	8.5	10.5	1.7	20.8	28.8	2.4	27.3	26.5	28.2
Basque Country, Spain	331	44.2	11.3	5.4	0.6	13.8	22.9	1.8	44.2	40.3	47.9
British Columbia, Canada	602	55.4	13.1	9.6	2.1	10.5	8.9	0.5	55.4	51.5	59.1
Dubai, UAE	438	27.1	8.2	15.7	2.1	20.3	24.6	2.1	27.1	31.7	22.6
Massachusetts, US	266	58.4	18.1	12.0	2.1	4.5	3.6	1.3	58.4	56.7	60.3
Minnesota, US	261	61.7	13.2	15.4	1.9	4.1	3.0	0.6	61.7	54.6	71.3
Ontario, Canada	486	68.1	11.2	10.6	1.1	4.2	3.4	1.5	68.1	65.9	70.5
Quebec, Canada	563	54.4	10.9	11.9	1.4	8.7	10.4	2.3	54.4	54.9	53.9

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Number / Applying (M032529 - M07_12)
 Label: Percentage reduction in sale
 Type: MC Key: B

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	777	9.3	6.9	9.3	7.4	67.8	3.2	5.4	5.9	12.8
Armenia	668	31.7	13.3	31.7	8.4	30.6	3.9	12.1	30.4	33.1
Australia	573	33.8	14.2	33.8	15.1	33.9	1.9	1.1	26.8	40.8
Bahrain	599	19.4	19.1	19.4	12.5	43.1	2.2	3.8	15.1	23.4
Bosnia and Herzegovina	604	20.9	11.8	20.9	6.0	50.6	5.5	5.3	17.8	24.2
Botswana	598	18.3	12.9	18.3	15.2	43.2	4.8	5.6	15.8	21.3
Bulgaria	573	25.1	12.9	25.1	6.5	46.0	3.0	6.5	25.3	24.9
Chinese Taipei	573	48.0	7.7	48.0	13.3	30.0	1.1	0.0	43.2	52.3
Colombia	687	15.2	13.9	15.2	13.7	47.8	1.8	7.7	15.7	14.8
Cyprus	623	21.5	11.5	21.5	13.4	50.2	1.3	2.1	18.2	24.8
Czech Republic	688	42.1	15.7	42.1	11.0	25.7	4.0	1.4	39.8	44.1
Egypt	937	17.5	12.6	17.5	14.2	53.0	1.5	1.2	15.1	19.7
El Salvador	576	12.1	13.7	12.1	13.7	51.5	2.4	6.5	10.4	14.0
England	562	41.8	12.7	41.8	17.8	24.7	1.9	1.1	37.4	45.9
Georgia	595	20.5	14.8	20.5	4.5	50.1	2.6	7.5	14.8	26.0
Ghana	750	15.6	16.0	15.6	10.0	47.9	1.4	9.2	14.6	16.4
Hong Kong SAR	496	64.3	6.8	64.3	8.3	19.1	0.9	0.8	64.1	64.4
Hungary	587	49.2	15.0	49.2	10.8	21.0	3.3	0.9	45.4	52.3
Indonesia	596	16.2	10.9	16.2	10.5	57.3	1.4	3.7	12.4	20.0
Iran, Islamic Rep. of	558	17.4	10.3	17.4	10.7	54.5	2.1	5.1	17.8	17.1
Israel	463	33.1	15.2	33.1	10.9	31.0	5.1	4.6	27.3	40.0
Italy	635	31.0	11.5	31.0	14.2	39.2	1.5	2.6	28.4	33.4
Japan	615	47.7	10.8	47.7	10.3	29.3	1.3	0.6	43.3	52.2
Jordan	749	19.5	11.2	19.5	12.9	52.4	1.3	2.7	16.7	22.1
Korea, Rep. of	604	57.1	5.7	57.1	10.4	26.0	0.2	0.7	50.9	62.9
Kuwait	599	19.2	18.2	19.2	18.0	37.1	2.0	5.5	17.0	21.9
Lebanon	538	21.0	6.0	21.0	14.0	51.0	3.5	4.5	19.2	23.1
Lithuania	574	39.1	11.8	39.1	7.8	36.8	2.8	1.7	35.5	43.0
Malaysia	642	42.6	6.6	42.6	8.2	35.9	2.2	4.5	43.2	41.8
Malta	674	40.3	8.7	40.3	9.7	37.6	1.7	2.0	39.4	41.3
Morocco	447	7.5	12.6	7.5	6.9	50.0	9.8	13.3	5.9	9.5
Norway	660	34.2	17.2	34.2	14.7	29.7	2.7	1.5	35.5	33.1
Oman	680	12.7	9.5	12.7	11.7	61.1	2.2	2.7	10.4	15.0
Palestinian Nat'l Auth.	606	12.8	9.1	12.8	14.4	59.7	1.7	2.3	12.4	13.2
Qatar	1035	26.1	14.4	26.1	15.9	41.1	1.4	1.1	21.5	30.8
Romania	594	21.4	15.3	21.4	12.1	46.6	2.7	1.9	23.6	19.5
Russian Federation	640	34.7	9.6	34.7	5.6	44.2	2.3	3.7	34.0	35.4
Saudi Arabia	602	21.1	18.9	21.1	18.4	37.2	1.3	3.1	18.9	23.1
Scotland	594	32.2	11.9	32.2	12.2	38.5	3.9	1.4	29.4	35.4
Serbia	565	30.9	14.0	30.9	9.7	38.8	3.6	3.0	29.8	31.8
Singapore	650	82.0	4.3	82.0	4.5	8.3	0.7	0.3	85.3	78.5
Slovenia	591	38.9	16.7	38.9	14.4	24.5	4.4	1.1	32.4	46.2
Sweden	739	45.2	12.0	45.2	12.8	24.1	2.6	3.2	46.3	44.2
Syrian Arab Republic	658	14.4	10.3	14.4	16.0	56.4	0.8	2.1	12.9	16.0
Thailand	765	22.3	17.6	22.3	8.2	48.4	1.2	2.4	20.8	23.6
Tunisia	565	17.8	14.3	17.8	12.5	47.6	1.6	6.2	12.3	23.2
Turkey	658	20.8	12.9	20.8	7.6	53.5	3.2	2.0	16.9	24.4
Ukraine	623	27.2	12.4	27.2	6.2	50.6	1.6	2.0	24.8	29.9
United States	1045	42.5	10.9	42.5	13.3	30.9	1.0	1.4	37.9	46.9
International Avg.	641	29.3	12.3	29.3	11.3	41.1	2.5	3.5	26.9	31.7
Basque Country, Spain	331	39.9	11.7	39.9	9.7	33.0	2.9	2.6	35.3	44.3
British Columbia, Canada	602	41.8	10.2	41.8	13.8	30.5	2.9	0.8	39.8	43.7
Dubai, UAE	439	31.1	14.0	31.1	11.0	39.6	1.4	2.9	27.9	34.2
Massachusetts, US	266	55.7	8.0	55.7	15.0	18.1	1.5	1.6	54.6	57.1
Minnesota, US	261	51.4	13.5	51.4	11.4	22.2	0.9	0.6	46.3	58.4
Ontario, Canada	486	38.4	9.7	38.4	8.5	38.5	2.3	2.6	38.9	37.9
Quebec, Canada	563	46.9	5.9	46.9	12.1	26.9	4.0	4.1	44.8	49.1

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Data and Chance / Applying (M032637A - M07_13A)
 Label: Be Fit Health Club/label lines
 Type: CR Key: -

COUNTRY	N	10	70	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	762	43.8	5.4	16.4	28.4	6.0	43.8	47.9	39.8
Armenia	671	54.5	0.1	7.3	25.7	12.4	54.5	53.2	56.1
Australia	573	75.5	15.2	1.9	6.1	1.3	75.5	76.0	75.1
Bahrain	599	43.9	9.2	20.6	21.8	4.5	43.9	54.0	34.2
Bosnia and Herzegovina	604	47.5	3.3	7.3	35.6	6.3	47.5	47.3	47.8
Botswana	595	40.1	19.0	21.4	13.4	6.2	40.1	41.1	38.9
Bulgaria	573	51.9	5.5	3.6	32.2	6.9	51.9	55.5	48.0
Chinese Taipei	573	83.3	8.5	1.6	6.3	0.3	83.3	86.1	80.7
Colombia	687	56.1	14.6	6.6	14.2	8.4	56.1	53.2	58.9
Cyprus	623	58.6	12.9	5.6	20.6	2.2	58.6	67.3	49.9
Czech Republic	688	68.0	8.6	4.9	16.8	1.7	68.0	71.2	65.2
Egypt	937	30.7	8.2	26.6	33.4	1.2	30.7	35.0	26.5
El Salvador	576	37.1	10.6	16.9	28.3	7.0	37.1	35.3	39.2
England	562	79.3	12.6	3.4	2.9	1.7	79.3	78.8	79.8
Georgia	594	28.7	6.2	8.6	48.9	7.6	28.7	30.1	27.4
Ghana	750	13.9	2.3	23.4	51.4	9.2	13.9	13.6	14.1
Hong Kong SAR	496	80.8	8.8	3.0	6.7	0.8	80.8	84.3	77.2
Hungary	587	69.2	14.7	1.3	13.8	1.0	69.2	72.8	66.2
Indonesia	596	36.9	7.0	28.4	23.7	4.0	36.9	39.9	33.9
Iran, Islamic Rep. of	558	46.2	16.1	5.8	26.3	5.6	46.2	46.9	45.7
Israel	463	54.8	9.8	6.7	23.8	4.9	54.8	52.2	58.0
Italy	637	63.7	8.2	7.3	18.2	2.7	63.7	63.2	64.2
Japan	615	87.4	2.5	7.1	2.2	0.8	87.4	90.0	84.8
Jordan	749	43.2	14.2	19.0	20.8	2.8	43.2	50.1	36.9
Korea, Rep. of	604	84.3	6.9	3.6	4.5	0.7	84.3	86.5	82.1
Kuwait	597	39.1	8.8	14.8	31.6	5.7	39.1	47.6	29.1
Lebanon	540	49.6	2.9	11.2	31.4	4.8	49.6	54.1	44.6
Lithuania	574	78.1	8.0	2.4	9.9	1.7	78.1	77.0	79.4
Malaysia	642	63.3	11.7	8.3	11.4	5.3	63.3	64.8	61.4
Malta	675	67.0	14.3	5.7	10.7	2.2	67.0	72.3	61.4
Morocco	450	33.1	1.2	20.4	27.8	17.5	33.1	32.5	33.9
Norway	660	61.4	14.0	9.0	13.0	2.6	61.4	64.7	58.4
Oman	680	35.0	15.5	25.7	21.0	2.8	35.0	44.1	25.8
Palestinian Nat'l Auth.	607	30.4	9.3	34.7	23.2	2.3	30.4	40.3	20.1
Qatar	1035	16.1	11.5	35.7	35.4	1.3	16.1	21.7	10.2
Romania	594	51.4	8.4	10.6	27.2	2.5	51.4	59.0	44.6
Russian Federation	640	65.0	8.9	3.8	18.1	4.2	65.0	66.7	63.2
Saudi Arabia	602	29.2	13.0	29.9	24.6	3.2	29.2	39.4	20.3
Scotland	594	70.4	18.1	2.6	6.8	2.1	70.4	72.9	67.6
Serbia	571	51.0	3.3	4.7	37.9	3.1	51.0	53.0	49.2
Singapore	650	77.2	14.8	2.8	4.8	0.4	77.2	81.9	72.4
Slovenia	591	73.9	5.7	10.2	8.5	1.7	73.9	72.9	74.9
Sweden	739	71.0	9.8	3.2	12.1	3.9	71.0	73.9	68.3
Syrian Arab Republic	658	46.1	0.6	27.9	23.3	2.1	46.1	50.4	41.3
Thailand	765	60.0	15.3	7.7	14.5	2.5	60.0	63.8	56.3
Tunisia	566	44.7	8.6	8.9	31.4	6.4	44.7	46.4	43.1
Turkey	658	52.8	13.1	7.8	24.2	2.1	52.8	56.4	49.6
Ukraine	623	55.2	13.1	5.8	23.7	2.1	55.2	58.6	51.5
United States	1045	72.0	17.7	3.9	4.7	1.7	72.0	72.8	71.3
International Avg.	641	54.5	9.8	11.3	20.5	3.9	54.5	57.5	51.6
Basque Country, Spain	331	59.0	11.1	5.3	21.6	3.1	59.0	61.2	56.9
British Columbia, Canada	602	75.7	11.4	3.0	9.0	1.0	75.7	75.7	75.7
Dubai, UAE	438	63.9	7.0	9.8	16.4	2.9	63.9	70.0	58.1
Massachusetts, US	266	80.0	12.5	1.7	3.8	2.0	80.0	79.1	81.0
Minnesota, US	261	81.3	15.3	1.3	1.5	0.6	81.3	80.4	82.4
Ontario, Canada	486	80.4	9.9	1.8	4.3	3.6	80.4	86.0	74.4
Quebec, Canada	563	73.3	12.4	3.1	6.6	4.6	73.3	75.1	71.5

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Data and Chance / Knowing (M032637B - M07_13B)
 Label: Be Fit Health Club/identify week
 Type: CR Key: -

COUNTRY	N	10	79	OMIT TED	NOT	V1	1.GIRL %Right	2.BOY %Right
					REACH ED			
Algeria	762	13.9	37.0	29.4	19.7	13.9	14.5	13.2
Armenia	671	42.4	10.1	15.2	32.3	42.4	39.5	45.6
Australia	573	80.2	9.3	6.3	4.2	80.2	79.7	80.7
Bahrain	599	37.7	28.2	19.3	14.9	37.7	48.5	27.4
Bosnia and Herzegovina	604	24.6	10.6	42.2	22.6	24.6	22.3	27.0
Botswana	595	42.0	32.2	15.3	10.5	42.0	44.4	39.0
Bulgaria	573	41.3	9.0	28.1	21.5	41.3	44.0	38.4
Chinese Taipei	573	88.0	6.0	2.5	3.5	88.0	90.9	85.3
Colombia	687	28.1	30.7	23.2	18.0	28.1	25.4	30.7
Cyprus	623	53.9	15.6	18.6	11.9	53.9	60.2	47.6
Czech Republic	688	64.7	9.3	17.6	8.5	64.7	64.4	65.0
Egypt	937	35.6	36.9	15.3	12.1	35.6	42.0	29.5
El Salvador	576	11.6	27.4	40.5	20.4	11.6	9.7	13.7
England	562	83.0	6.4	7.4	3.2	83.0	85.5	80.6
Georgia	594	16.5	17.8	41.7	24.0	16.5	14.7	18.2
Ghana	750	6.4	27.5	35.7	30.4	6.4	6.0	6.8
Hong Kong SAR	496	82.3	9.3	3.8	4.6	82.3	87.5	77.1
Hungary	587	74.3	9.5	11.6	4.6	74.3	75.2	73.6
Indonesia	596	35.5	33.0	16.1	15.4	35.5	34.8	36.2
Iran, Islamic Rep. of	558	35.8	27.8	18.7	17.7	35.8	40.3	32.2
Israel	463	54.3	13.0	16.2	16.5	54.3	52.2	56.9
Italy	637	62.0	10.6	16.1	11.4	62.0	60.6	63.3
Japan	615	93.8	3.0	1.7	1.6	93.8	95.4	92.1
Jordan	749	55.1	25.1	8.0	11.8	55.1	63.3	47.7
Korea, Rep. of	604	91.5	3.5	2.1	2.9	91.5	93.7	89.4
Kuwait	597	18.3	35.4	23.4	22.9	18.3	22.9	13.0
Lebanon	540	31.7	24.5	23.8	20.0	31.7	30.9	32.6
Lithuania	574	75.3	7.1	9.8	7.8	75.3	77.8	72.6
Malaysia	642	65.0	17.3	7.3	10.4	65.0	65.6	64.1
Malta	675	64.8	14.7	12.6	8.0	64.8	70.6	58.6
Morocco	449	25.2	17.3	31.5	26.0	25.2	25.9	24.6
Norway	660	57.6	18.5	13.4	10.5	57.6	61.0	54.4
Oman	680	37.9	36.7	12.6	12.8	37.9	50.2	25.4
Palestinian Nat'l Auth.	607	30.2	42.4	16.3	11.1	30.2	39.7	20.4
Qatar	1035	8.2	49.8	24.8	17.2	8.2	11.3	4.9
Romania	594	29.8	15.9	38.6	15.7	29.8	34.8	25.4
Russian Federation	640	59.7	6.0	21.7	12.6	59.7	61.2	58.1
Saudi Arabia	602	13.2	54.3	17.6	14.9	13.2	17.8	9.2
Scotland	594	76.2	6.2	11.3	6.3	76.2	78.4	73.6
Serbia	571	29.7	8.1	41.8	20.4	29.7	29.8	29.7
Singapore	650	84.1	8.9	4.9	2.1	84.1	88.7	79.3
Slovenia	591	73.8	15.2	5.0	6.0	73.8	73.5	74.1
Sweden	739	71.2	8.9	7.7	12.2	71.2	73.8	68.8
Syrian Arab Republic	658	12.3	45.8	27.5	14.5	12.3	10.1	14.7
Thailand	765	64.3	8.1	18.2	9.4	64.3	72.0	57.0
Tunisia	566	36.1	27.6	17.1	19.1	36.1	33.0	39.2
Turkey	658	41.0	22.7	21.4	15.0	41.0	45.0	37.2
Ukraine	623	43.6	8.4	33.0	15.0	43.6	45.8	41.1
United States	1045	84.6	7.1	4.3	4.1	84.6	86.0	83.2
International Avg.	641	48.7	19.5	18.3	13.4	48.7	51.0	46.5
Basque Country, Spain	331	61.0	10.7	18.8	9.5	61.0	60.0	62.0
British Columbia, Canada	602	73.1	12.5	7.8	6.5	73.1	75.0	71.4
Dubai, UAE	438	50.8	20.3	18.0	11.0	50.8	58.2	43.7
Massachusetts, US	266	88.3	4.3	2.3	5.0	88.3	90.7	85.6
Minnesota, US	261	92.1	5.1	1.9	0.9	92.1	90.7	94.1
Ontario, Canada	486	79.3	10.2	4.1	6.4	79.3	83.0	75.4
Quebec, Canada	563	57.8	23.8	10.2	8.2	57.8	57.7	58.0

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Data and Chance / Applying (M032637C - M07_13C)
 Label: Be Fit Health Club/costs at 24 weeks
 Type: CR Key: -

COUNTRY	N	10	70	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	763	5.9	2.4	34.8	31.9	25.0	5.9	5.4	6.5
Armenia	671	37.7	0.6	13.8	11.8	36.1	37.7	35.4	40.2
Australia	573	57.1	3.5	27.2	6.6	5.6	57.1	55.0	59.3
Bahrain	599	11.6	6.5	45.7	18.3	17.8	11.6	10.6	12.7
Bosnia and Herzegovina	604	16.5	1.6	15.4	35.1	31.4	16.5	14.9	18.2
Botswana	595	18.1	7.0	46.4	14.4	14.1	18.1	18.2	17.9
Bulgaria	573	30.5	2.0	15.1	25.3	27.2	30.5	34.9	25.6
Chinese Taipei	573	79.1	0.7	13.6	2.6	3.9	79.1	81.6	76.9
Colombia	687	15.2	4.9	35.6	18.7	25.6	15.2	13.7	16.5
Cyprus	623	36.5	3.2	25.8	20.0	14.6	36.5	40.5	32.5
Czech Republic	688	48.7	1.4	19.8	18.1	12.0	48.7	48.4	48.9
Egypt	937	19.1	1.7	44.8	19.4	15.0	19.1	21.8	16.5
El Salvador	576	4.0	2.4	27.9	35.5	30.3	4.0	2.1	6.0
England	562	69.9	1.1	19.8	3.3	5.9	69.9	69.3	70.4
Georgia	594	9.3	2.0	17.1	41.6	30.1	9.3	8.3	10.2
Ghana	750	4.0	1.6	26.6	34.3	33.5	4.0	4.7	3.4
Hong Kong SAR	496	72.6	0.7	17.6	4.0	5.2	72.6	73.6	71.7
Hungary	587	61.2	2.0	17.6	13.3	6.0	61.2	61.2	61.2
Indonesia	596	18.0	5.1	43.9	15.3	17.7	18.0	16.1	20.0
Iran, Islamic Rep. of	558	16.2	4.5	36.8	23.3	19.3	16.2	19.1	13.9
Israel	463	46.3	1.8	18.9	14.3	18.7	46.3	45.6	47.2
Italy	637	42.9	2.0	24.9	15.5	14.8	42.9	42.1	43.7
Japan	615	80.7	0.8	14.6	1.9	2.1	80.7	82.4	79.0
Jordan	749	26.4	5.0	45.5	10.0	13.1	26.4	25.4	27.4
Korea, Rep. of	604	71.4	0.2	22.5	2.8	3.2	71.4	70.1	72.5
Kuwait	597	6.2	2.5	38.8	25.5	26.9	6.2	6.6	5.8
Lebanon	540	18.7	6.8	24.8	25.1	24.6	18.7	17.3	20.3
Lithuania	574	46.4	4.3	26.8	12.7	9.9	46.4	43.7	49.3
Malaysia	642	46.6	2.6	28.7	9.7	12.3	46.6	46.7	46.5
Malta	675	50.9	1.6	25.5	10.2	11.8	50.9	53.9	47.8
Morocco	450	6.6	2.6	29.7	32.1	29.1	6.6	6.6	6.6
Norway	660	45.8	3.4	25.5	11.7	13.6	45.8	44.7	46.8
Oman	680	9.3	4.1	56.0	15.9	14.7	9.3	10.4	8.3
Palestinian Nat'l Auth.	607	11.9	3.7	49.1	20.7	14.5	11.9	16.8	6.7
Qatar	1035	5.0	1.5	47.1	26.5	19.9	5.0	5.4	4.5
Romania	594	21.7	1.3	22.6	29.4	25.0	21.7	23.3	20.2
Russian Federation	640	39.6	2.5	16.6	24.5	16.8	39.6	39.4	39.8
Saudi Arabia	602	4.2	4.2	54.1	20.3	17.2	4.2	4.1	4.4
Scotland	594	55.1	1.1	27.8	6.6	9.4	55.1	54.9	55.5
Serbia	571	24.3	1.2	11.3	34.9	28.4	24.3	26.2	22.6
Singapore	650	73.1	0.6	19.6	4.2	2.5	73.1	73.1	73.2
Slovenia	591	52.9	1.4	32.3	6.8	6.6	52.9	52.1	53.9
Sweden	739	58.8	1.0	18.3	7.5	14.3	58.8	60.8	57.0
Syrian Arab Republic	658	5.4	5.2	37.7	29.4	22.3	5.4	4.2	6.7
Thailand	765	33.2	5.6	32.1	17.8	11.3	33.2	34.5	32.0
Tunisia	566	18.3	4.9	35.7	20.6	20.5	18.3	14.9	21.6
Turkey	658	26.4	4.0	31.7	19.6	18.2	26.4	27.8	25.2
Ukraine	623	28.0	4.2	16.9	28.0	22.8	28.0	28.1	27.9
United States	1045	63.3	4.3	23.8	3.6	5.0	63.3	64.1	62.5
International Avg.	641	33.7	2.8	28.7	18.0	16.9	33.7	33.9	33.5
Basque Country, Spain	331	43.9	3.1	22.5	16.9	13.6	43.9	44.2	43.6
British Columbia, Canada	602	57.0	5.4	22.3	7.3	8.0	57.0	56.6	57.4
Dubai, UAE	438	38.3	5.3	27.9	13.7	14.9	38.3	38.8	37.8
Massachusetts, US	266	73.3	2.2	17.2	0.4	6.9	73.3	77.2	68.7
Minnesota, US	261	74.4	2.4	19.8	2.0	1.4	74.4	73.7	75.4
Ontario, Canada	486	67.1	3.7	19.4	2.2	7.6	67.1	68.8	65.3
Quebec, Canada	563	57.5	2.5	22.6	7.2	10.1	57.5	55.6	59.5

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Number / Knowing (M042183 - M08_01)
 Label: Find the number
 Type: MC Key: D

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	773	73.2	10.4	7.4	4.9	73.2	3.1	1.1	74.1	72.2
Armenia	683	65.5	9.1	12.2	6.4	65.5	6.6	0.3	65.8	65.1
Australia	573	67.1	5.9	16.3	9.8	67.1	0.8	0.0	63.8	70.2
Bahrain	615	35.5	25.2	20.8	15.0	35.5	2.9	0.6	35.2	35.8
Bosnia and Herzegovina	604	64.8	13.3	12.6	7.7	64.8	1.3	0.2	65.4	64.3
Botswana	593	42.3	19.5	17.1	19.4	42.3	1.7	0.0	44.9	39.5
Bulgaria	574	61.4	15.8	14.3	5.6	61.4	2.2	0.6	68.4	54.6
Chinese Taipei	577	58.6	29.4	6.2	5.4	58.6	0.4	0.0	57.4	59.8
Colombia	691	23.2	26.1	25.8	20.0	23.2	3.3	1.4	18.9	27.3
Cyprus	623	58.7	14.9	13.2	12.3	58.7	0.9	0.0	61.2	56.2
Czech Republic	688	79.9	7.9	6.8	4.8	79.9	0.6	0.0	78.7	81.1
Egypt	932	48.1	15.8	18.7	15.5	48.1	1.9	0.0	51.7	44.7
El Salvador	577	40.0	16.3	26.7	12.9	40.0	2.7	1.4	40.8	39.0
England	568	77.2	6.8	5.6	9.5	77.2	0.2	0.7	76.9	77.4
Georgia	600	57.6	15.5	13.6	9.9	57.6	3.2	0.1	56.0	59.3
Ghana	762	29.3	23.5	19.4	21.7	29.3	5.9	0.1	30.8	28.0
Hong Kong SAR	495	77.4	11.9	4.3	6.0	77.4	0.4	0.0	79.5	75.2
Hungary	581	73.3	11.8	8.7	5.4	73.3	0.8	0.0	75.0	71.7
Indonesia	600	44.8	26.5	14.3	12.2	44.8	2.1	0.0	43.7	45.9
Iran, Islamic Rep. of	569	41.0	21.6	19.5	15.7	41.0	2.1	0.2	40.8	41.1
Israel	474	54.7	10.3	23.2	9.4	54.7	2.2	0.2	54.0	55.6
Italy	635	73.5	10.4	9.0	6.7	73.5	0.4	0.1	72.3	74.7
Japan	624	74.3	12.4	5.8	6.5	74.3	0.9	0.0	73.7	75.0
Jordan	736	49.1	14.7	17.0	17.1	49.1	2.0	0.0	52.6	45.9
Korea, Rep. of	611	54.0	39.7	3.2	3.0	54.0	0.0	0.0	50.3	57.4
Kuwait	592	31.9	19.6	20.2	21.7	31.9	6.5	0.0	36.9	26.1
Lebanon	530	67.9	7.9	17.9	5.1	67.9	1.0	0.3	61.8	74.5
Lithuania	574	77.9	8.8	9.5	3.3	77.9	0.5	0.0	82.1	73.9
Malaysia	634	61.8	11.7	22.6	3.7	61.8	0.0	0.2	63.3	60.1
Malta	662	73.2	9.2	10.0	5.9	73.2	1.4	0.2	78.5	67.8
Morocco	438	50.1	21.8	12.2	10.5	50.1	5.5	0.0	48.2	52.3
Norway	665	75.3	5.5	9.6	8.6	75.3	1.1	0.0	75.4	75.1
Oman	693	37.6	14.5	33.5	12.5	37.6	1.5	0.3	45.9	29.6
Palestinian Nat'l Auth.	620	44.8	13.8	19.7	19.3	44.8	2.1	0.3	51.7	37.9
Qatar	1016	29.2	16.3	28.9	24.1	29.2	1.4	0.1	30.7	27.7
Romania	595	60.1	12.1	14.1	12.4	60.1	1.4	0.0	60.1	60.0
Russian Federation	645	78.0	6.9	9.9	4.8	78.0	0.3	0.1	76.6	79.6
Saudi Arabia	602	31.0	22.7	23.1	21.3	31.0	1.4	0.6	32.8	29.4
Scotland	577	77.0	4.3	7.1	10.6	77.0	0.8	0.2	75.4	78.8
Serbia	577	71.6	9.2	11.5	6.7	71.6	1.0	0.0	70.0	73.1
Singapore	660	85.3	7.7	2.8	4.3	85.3	0.0	0.0	85.7	84.9
Slovenia	592	61.4	17.6	10.3	10.1	61.4	0.6	0.0	60.5	62.3
Sweden	747	75.7	6.8	10.8	6.2	75.7	0.3	0.1	76.7	74.8
Syrian Arab Republic	653	47.3	18.0	16.6	17.5	47.3	0.5	0.0	47.5	47.1
Thailand	770	44.6	24.5	15.9	13.8	44.6	1.1	0.0	48.3	41.0
Tunisia	578	62.3	14.8	11.6	9.1	62.3	2.1	0.2	61.5	63.1
Turkey	642	48.7	14.3	20.3	14.2	48.7	2.4	0.2	50.1	47.4
Ukraine	636	68.2	11.9	12.5	7.4	68.2	0.1	0.0	71.2	64.7
United States	1045	75.7	10.9	6.2	6.3	75.7	1.0	0.0	77.9	73.6
International Avg.	643	58.4	14.8	14.2	10.7	58.4	1.7	0.2	59.2	57.6
Basque Country, Spain	323	74.7	10.0	10.4	3.9	74.7	1.0	0.0	74.1	75.2
British Columbia, Canada	606	73.6	11.7	6.6	7.0	73.6	1.0	0.0	75.3	71.9
Dubai, UAE	462	62.3	11.6	12.3	11.5	62.3	2.4	0.0	63.1	61.4
Massachusetts, US	260	87.4	6.4	3.8	1.0	87.4	0.9	0.4	86.5	88.3
Minnesota, US	258	86.6	4.3	4.1	4.4	86.6	0.0	0.6	88.1	85.0
Ontario, Canada	491	83.5	9.1	3.6	3.5	83.5	0.0	0.2	87.2	79.8
Quebec, Canada	561	85.1	4.6	5.2	4.5	85.1	0.4	0.2	91.0	79.8

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Number / Knowing (M042060 - M08_02)
 Label: Fraction by which price reduced by
 Type: MC Key: B

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	771	25.8	52.6	25.8	7.9	8.3	4.1	1.2	23.1	28.6
Armenia	684	57.5	20.9	57.5	10.2	3.9	7.3	0.3	59.7	55.3
Australia	573	67.3	22.6	67.3	7.7	1.9	0.5	0.0	61.1	73.1
Bahrain	615	26.2	47.2	26.2	16.5	8.7	0.9	0.6	22.5	29.5
Bosnia and Herzegovina	604	46.0	39.0	46.0	6.0	4.8	3.9	0.2	41.7	50.1
Botswana	593	44.4	30.0	44.4	13.8	10.5	1.3	0.0	44.0	44.8
Bulgaria	574	48.9	33.2	48.9	7.7	6.6	2.9	0.6	50.2	47.7
Chinese Taipei	577	74.7	18.1	74.7	3.3	3.5	0.3	0.0	77.3	72.2
Colombia	691	20.4	60.9	20.4	8.1	6.0	3.1	1.5	16.1	24.4
Cyprus	623	60.4	22.4	60.4	12.5	4.2	0.6	0.0	59.2	61.5
Czech Republic	688	55.0	30.2	55.0	11.3	1.9	1.7	0.0	52.3	57.5
Egypt	931	42.0	31.4	42.0	14.4	10.2	1.9	0.0	40.9	43.0
El Salvador	577	11.5	70.8	11.5	5.9	7.3	2.7	1.7	11.1	12.1
England	568	72.1	18.5	72.1	7.0	0.9	0.7	0.7	66.1	77.4
Georgia	600	41.5	35.0	41.5	8.8	9.2	5.5	0.1	42.0	40.9
Ghana	762	35.2	43.0	35.2	9.8	9.5	1.9	0.5	30.6	39.3
Hong Kong SAR	495	76.4	12.3	76.4	8.2	2.8	0.2	0.0	73.2	79.7
Hungary	581	53.8	31.9	53.8	9.5	2.7	2.0	0.0	47.2	60.2
Indonesia	600	31.9	45.5	31.9	10.5	10.4	1.7	0.0	32.8	31.1
Iran, Islamic Rep. of	569	41.7	32.7	41.7	11.1	11.4	2.9	0.2	40.4	42.8
Israel	474	60.0	22.2	60.0	10.4	4.4	2.8	0.2	59.4	60.8
Italy	635	43.7	38.7	43.7	10.0	6.1	1.3	0.2	37.7	49.8
Japan	624	61.8	22.6	61.8	8.0	7.2	0.4	0.0	57.4	66.2
Jordan	736	37.3	40.8	37.3	12.4	8.4	0.9	0.2	41.5	33.5
Korea, Rep. of	611	82.2	10.6	82.2	3.2	3.6	0.4	0.0	81.2	83.1
Kuwait	591	29.0	41.0	29.0	20.0	7.6	2.4	0.0	29.9	28.1
Lebanon	533	32.8	48.6	32.8	9.4	4.6	4.3	0.3	27.2	39.2
Lithuania	574	59.0	23.1	59.0	11.2	5.4	1.2	0.0	56.4	61.4
Malaysia	634	66.3	17.4	66.3	7.2	7.8	1.1	0.2	69.5	62.6
Malta	662	64.7	22.0	64.7	9.2	3.0	0.9	0.2	63.2	66.3
Morocco	439	24.9	54.5	24.9	9.3	7.6	3.6	0.0	20.0	30.6
Norway	665	68.7	17.6	68.7	9.2	3.4	1.1	0.0	63.4	74.1
Oman	693	26.7	53.1	26.7	8.9	8.8	2.3	0.3	27.4	25.9
Palestinian Nat'l Auth.	620	32.7	44.1	32.7	9.6	10.4	2.9	0.3	36.1	29.4
Qatar	1016	27.4	44.9	27.4	16.3	27.4	1.6	0.1	26.3	28.5
Romania	595	46.6	39.9	46.6	4.7	7.3	1.5	0.0	47.7	45.7
Russian Federation	645	62.8	20.7	62.8	8.8	6.5	1.1	0.1	62.2	63.4
Saudi Arabia	602	15.3	60.0	15.3	12.7	10.3	1.1	0.6	13.6	16.9
Scotland	577	64.2	22.6	64.2	9.9	2.2	0.9	0.2	59.5	69.5
Serbia	580	58.7	30.5	58.7	7.2	1.7	1.8	0.1	57.8	59.5
Singapore	660	87.6	5.4	87.6	6.1	0.8	0.1	0.0	90.2	85.3
Slovenia	592	56.2	33.5	56.2	6.9	2.1	1.3	0.0	53.8	58.7
Sweden	747	84.1	8.0	84.1	6.4	1.1	0.2	0.1	82.3	85.7
Syrian Arab Republic	653	30.9	50.7	30.9	9.3	8.2	0.9	0.0	24.9	37.7
Thailand	770	33.6	41.6	33.6	11.7	11.9	1.3	0.0	34.0	33.3
Tunisia	578	30.5	54.1	30.5	8.8	4.5	1.8	0.2	22.8	38.2
Turkey	642	45.2	39.1	45.2	6.3	8.9	0.4	0.2	42.1	48.0
Ukraine	636	46.0	34.8	46.0	10.5	8.3	0.4	0.0	41.6	50.9
United States	1045	69.9	18.4	69.9	9.3	1.6	0.9	0.0	64.8	74.6
International Avg.	643	48.6	33.8	48.6	9.5	6.1	1.8	0.2	46.6	50.6
Basque Country, Spain	323	53.0	34.2	53.0	8.2	3.9	0.8	0.0	49.8	56.1
British Columbia, Canada	606	70.3	16.1	70.3	9.6	2.3	1.7	0.0	68.4	72.1
Dubai, UAE	462	47.4	33.4	47.4	9.6	6.2	3.4	0.0	46.8	47.9
Massachusetts, US	260	81.3	11.6	81.3	5.3	0.2	1.2	0.4	80.1	82.4
Minnesota, US	258	79.8	12.9	79.8	6.1	0.7	0.0	0.6	75.7	84.5
Ontario, Canada	491	72.0	16.7	72.0	9.1	1.0	1.0	0.2	69.0	75.0
Quebec, Canada	561	78.9	13.5	78.9	5.2	1.7	0.6	0.2	75.0	82.3

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Number / Knowing (M042019 - M08_03)
 Label: Approximate the sum
 Type: CR Key: -

COUNTRY	N	10	70	71	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	769	3.2	0.1	0.0	70.0	25.4	1.3	3.2	2.2	4.2
Armenia	681	58.0	2.3	0.0	30.8	8.6	0.3	58.0	62.0	54.0
Australia	573	68.9	6.4	1.0	22.6	1.0	0.0	68.9	63.3	74.0
Bahrain	615	12.5	1.4	1.1	69.7	14.8	0.6	12.5	12.6	12.5
Bosnia and Herzegovina	604	26.3	1.4	0.3	60.9	10.8	0.2	26.3	23.2	29.4
Botswana	593	35.4	2.8	1.3	56.7	3.6	0.1	35.4	40.8	29.6
Bulgaria	574	23.4	1.7	0.2	56.9	17.2	0.6	23.4	24.7	22.0
Chinese Taipei	577	25.1	2.1	2.9	61.4	8.4	0.0	25.1	25.4	24.9
Colombia	691	4.5	0.0	0.1	75.2	18.4	1.7	4.5	4.5	4.5
Cyprus	623	37.1	1.8	1.2	48.2	11.7	0.0	37.1	38.9	35.3
Czech Republic	688	29.3	5.8	1.6	62.1	1.2	0.0	29.3	28.4	30.2
Egypt	933	10.5	0.5	0.0	75.9	13.1	0.0	10.5	8.8	12.1
El Salvador	577	6.2	0.2	0.2	81.0	10.7	1.7	6.2	6.1	6.2
England	568	70.7	6.5	1.8	18.7	1.6	0.7	70.7	68.4	72.7
Georgia	600	28.4	0.5	0.4	40.4	29.8	0.4	28.4	29.4	27.4
Ghana	762	4.6	0.7	0.1	79.8	14.2	0.6	4.6	2.4	6.5
Hong Kong SAR	495	62.5	6.0	1.4	27.1	3.0	0.0	62.5	60.5	64.5
Hungary	581	69.1	3.0	0.3	23.4	4.2	0.0	69.1	68.5	69.7
Indonesia	599	5.2	0.6	0.5	84.4	9.2	0.0	5.2	6.3	4.2
Iran, Islamic Rep. of	569	2.1	2.2	0.8	67.2	27.6	0.2	2.1	3.2	1.2
Israel	474	45.4	3.4	0.5	39.8	10.5	0.5	45.4	42.5	48.8
Italy	635	25.9	2.4	0.3	46.4	24.7	0.2	25.9	25.1	26.8
Japan	624	46.7	3.6	0.6	45.3	3.7	0.0	46.7	46.3	47.1
Jordan	736	27.4	0.8	0.8	62.3	8.6	0.2	27.4	29.8	25.1
Korea, Rep. of	611	61.3	1.8	0.7	34.9	1.4	0.0	61.3	56.7	65.5
Kuwait	591	3.2	1.5	0.2	67.7	27.3	0.1	3.2	3.4	3.0
Lebanon	537	14.9	0.5	0.1	70.2	14.0	0.3	14.9	12.3	17.9
Lithuania	574	39.9	2.2	0.3	56.3	1.3	0.0	39.9	39.7	40.0
Malaysia	634	55.9	0.3	0.2	39.9	3.5	0.2	55.9	57.6	53.9
Malta	661	59.8	2.2	0.7	34.1	3.0	0.2	59.8	58.1	61.6
Morocco	440	0.9	1.4	0.2	57.5	40.0	0.0	0.9	1.1	0.7
Norway	665	72.5	3.4	2.1	18.4	3.6	0.0	72.5	69.2	75.7
Oman	693	9.1	0.4	0.4	78.2	11.6	0.3	9.1	11.4	6.9
Palestinian Nat'l Auth.	620	8.5	1.0	0.2	79.3	10.7	0.3	8.5	9.8	7.1
Qatar	1016	6.0	0.5	0.4	78.3	14.6	0.2	6.0	5.3	6.8
Romania	595	32.1	1.2	0.4	52.7	13.6	0.0	32.1	35.6	29.0
Russian Federation	645	28.7	3.1	0.6	57.4	10.2	0.1	28.7	27.7	29.8
Saudi Arabia	602	1.5	0.3	0.2	78.3	19.1	0.6	1.5	1.6	1.5
Scotland	577	70.8	4.1	0.4	22.9	1.6	0.2	70.8	70.3	71.4
Serbia	582	41.0	2.5	0.4	38.5	17.5	0.1	41.0	40.3	41.7
Singapore	660	78.4	2.1	0.7	17.7	1.2	0.0	78.4	78.7	78.0
Slovenia	592	35.2	8.5	2.4	50.0	3.8	0.0	35.2	33.5	37.0
Sweden	747	69.2	4.8	1.5	21.7	2.6	0.1	69.2	69.7	68.9
Syrian Arab Republic	653	8.0	1.3	0.5	62.6	27.5	0.2	8.0	7.1	9.1
Thailand	770	23.7	1.5	0.7	65.5	8.5	0.1	23.7	27.4	20.0
Tunisia	578	6.4	2.5	0.8	66.3	23.6	0.4	6.4	4.5	8.2
Turkey	642	14.5	1.2	0.1	72.1	11.9	0.2	14.5	16.4	12.9
Ukraine	636	28.5	2.3	0.3	59.1	9.9	0.0	28.5	28.5	28.5
United States	1045	70.5	4.3	0.3	24.2	0.7	0.0	70.5	69.4	71.5
International Avg.	643	32.0	2.3	0.7	53.3	11.5	0.3	32.0	31.8	32.2
Basque Country, Spain	323	47.3	0.7	0.8	46.7	4.6	0.0	47.3	43.5	50.8
British Columbia, Canada	606	67.1	3.3	1.1	24.9	3.6	0.0	67.1	65.5	68.7
Dubai, UAE	462	43.6	3.4	1.8	42.8	8.4	0.0	43.6	39.9	47.2
Massachusetts, US	260	76.0	4.6	0.9	17.8	0.3	0.4	76.0	77.6	74.4
Minnesota, US	258	70.7	3.7	1.1	24.0	0.0	0.6	70.7	68.3	73.4
Ontario, Canada	491	68.7	2.0	1.1	26.5	1.5	0.2	68.7	68.7	68.7
Quebec, Canada	561	49.2	4.2	3.1	39.0	4.3	0.2	49.2	50.9	47.6

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Number / Applying (M042023 - M08_04)
 Label: Which is larger 7/12 or 2/3
 Type: CR Key: -

COUNTRY	N	10	79	OMIT TED	NOT	V1	1.GIRL %Right	2.BOY %Right
					REACH ED			
Algeria	767	30.2	57.4	10.9	1.5	30.2	34.3	25.9
Armenia	684	67.7	23.5	8.6	0.3	67.7	70.0	65.4
Australia	573	33.4	61.4	5.2	0.0	33.4	27.2	39.3
Bahrain	615	27.6	60.4	11.3	0.6	27.6	39.8	16.6
Bosnia and Herzegovina	604	19.5	66.3	14.0	0.2	19.5	19.4	19.6
Botswana	593	10.9	83.2	5.3	0.6	10.9	11.6	10.0
Bulgaria	574	35.0	48.2	16.2	0.6	35.0	39.3	30.7
Chinese Taipei	577	75.1	20.9	4.0	0.0	75.1	78.8	71.5
Colombia	691	3.6	79.7	14.0	2.7	3.6	2.2	5.1
Cyprus	624	40.2	48.8	11.0	0.0	40.2	44.3	36.1
Czech Republic	688	28.1	62.0	9.9	0.0	28.1	24.8	31.1
Egypt	933	17.3	74.1	8.5	0.0	17.3	19.5	15.3
El Salvador	577	2.4	73.9	22.0	1.7	2.4	2.8	1.9
England	568	37.5	55.7	6.0	0.8	37.5	34.3	40.3
Georgia	600	18.4	60.7	20.5	0.4	18.4	21.1	15.5
Ghana	762	7.6	71.5	20.2	0.6	7.6	7.7	7.5
Hong Kong SAR	495	63.5	34.0	2.5	0.0	63.5	67.2	59.7
Hungary	582	41.7	49.2	9.1	0.0	41.7	45.5	38.0
Indonesia	600	31.2	60.4	8.4	0.0	31.2	34.7	27.6
Iran, Islamic Rep. of	569	9.2	79.2	11.2	0.4	9.2	14.6	4.7
Israel	474	36.0	52.5	10.8	0.7	36.0	38.4	33.3
Italy	635	15.9	71.2	12.6	0.2	15.9	15.8	16.1
Japan	624	58.9	36.7	4.3	0.0	58.9	59.8	58.1
Jordan	736	34.9	59.6	5.4	0.2	34.9	45.6	25.1
Korea, Rep. of	611	80.2	18.4	1.4	0.0	80.2	81.3	79.2
Kuwait	593	8.2	73.9	17.7	0.2	8.2	10.7	5.2
Lebanon	537	48.0	45.3	6.3	0.5	48.0	49.4	46.4
Lithuania	574	30.1	60.8	9.1	0.0	30.1	33.6	26.7
Malaysia	634	36.4	55.0	8.1	0.4	36.4	40.0	32.3
Malta	660	52.1	41.2	6.3	0.3	52.1	57.9	46.2
Morocco	439	30.4	57.1	12.4	0.1	30.4	34.0	26.3
Norway	665	22.7	73.1	3.9	0.3	22.7	19.6	25.7
Oman	693	14.3	74.2	11.2	0.3	14.3	21.0	7.9
Palestinian Nat'l Auth.	620	17.0	74.0	8.7	0.3	17.0	25.3	8.6
Qatar	1016	21.5	63.7	14.6	0.2	21.5	26.0	16.9
Romania	595	31.9	62.1	6.1	0.0	31.9	36.6	27.6
Russian Federation	645	43.2	48.2	8.5	0.1	43.2	42.4	44.2
Saudi Arabia	602	8.5	82.1	8.7	0.7	8.5	8.8	8.2
Scotland	577	21.6	69.9	8.3	0.2	21.6	20.1	23.4
Serbia	582	32.1	55.8	11.9	0.1	32.1	36.0	28.4
Singapore	660	78.6	19.4	1.8	0.2	78.6	83.1	74.7
Slovenia	592	37.6	58.2	4.2	0.0	37.6	41.2	33.8
Sweden	747	29.0	67.7	3.2	0.1	29.0	29.6	28.4
Syrian Arab Republic	653	31.3	61.6	7.0	0.2	31.3	32.8	29.6
Thailand	770	22.8	56.1	21.0	0.1	22.8	28.7	16.9
Tunisia	578	37.4	53.9	7.8	0.9	37.4	35.8	39.0
Turkey	642	27.2	64.6	8.0	0.2	27.2	30.1	24.6
Ukraine	636	18.7	66.2	14.8	0.3	18.7	19.2	18.2
United States	1045	44.0	53.3	2.7	0.0	44.0	43.3	44.7
International Avg.	643	32.1	58.1	9.5	0.4	32.1	34.4	29.7
Basque Country, Spain	323	40.6	53.5	5.7	0.2	40.6	38.3	42.8
British Columbia, Canada	606	48.0	47.5	4.3	0.1	48.0	48.4	47.7
Dubai, UAE	462	40.1	50.4	9.4	0.0	40.1	40.1	40.2
Massachusetts, US	260	60.6	37.9	1.1	0.4	60.6	57.7	63.5
Minnesota, US	258	56.8	41.4	1.2	0.6	56.8	56.2	57.4
Ontario, Canada	491	54.7	42.4	2.7	0.2	54.7	55.0	54.3
Quebec, Canada	561	65.6	32.0	2.1	0.2	65.6	71.1	60.9

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Number / Reasoning (M042197 - M08_05)
 Label: Rule to get terms in the pattern
 Type: CR Key: -

COUNTRY	N	10	70	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	770	0.4	0.1	44.5	53.1	1.9	0.4	0.8	0.0
Armenia	684	35.7	2.0	31.6	30.5	0.3	35.7	39.8	31.5
Australia	573	29.9	1.2	48.1	20.8	0.0	29.9	26.8	32.8
Bahrain	615	16.0	0.0	53.7	29.4	0.9	16.0	17.3	14.7
Bosnia and Herzegovina	604	15.0	0.0	32.1	52.7	0.2	15.0	14.2	15.7
Botswana	593	2.7	0.0	83.5	12.9	0.9	2.7	3.3	2.1
Bulgaria	574	28.9	2.8	25.7	41.3	1.2	28.9	33.9	24.0
Chinese Taipei	577	48.5	2.4	38.7	10.5	0.0	48.5	48.6	48.4
Colombia	691	4.8	0.4	57.5	34.3	3.0	4.8	3.0	6.5
Cyprus	624	28.7	2.5	35.1	33.7	0.0	28.7	31.1	26.3
Czech Republic	688	31.6	1.7	38.6	27.8	0.2	31.6	29.9	33.2
Egypt	933	16.5	0.8	63.0	19.7	0.0	16.5	19.1	14.1
El Salvador	577	1.6	0.0	41.6	54.6	2.2	1.6	1.2	2.0
England	568	25.0	1.0	54.8	18.5	0.8	25.0	21.7	27.9
Georgia	600	13.3	0.1	16.6	69.6	0.4	13.3	13.7	12.9
Ghana	762	2.2	0.0	49.3	47.9	0.6	2.2	2.2	2.1
Hong Kong SAR	495	48.4	1.8	33.8	16.1	0.0	48.4	51.7	45.0
Hungary	582	41.4	2.8	35.7	20.2	0.0	41.4	44.4	38.4
Indonesia	600	12.5	1.4	63.3	22.6	0.2	12.5	12.8	12.1
Iran, Islamic Rep. of	569	20.4	0.4	62.2	16.6	0.4	20.4	22.7	18.5
Israel	474	37.8	0.7	34.0	26.4	1.2	37.8	38.5	37.0
Italy	635	24.4	0.0	40.8	34.5	0.2	24.4	24.5	24.3
Japan	624	50.3	2.5	36.8	10.4	0.0	50.3	47.5	53.1
Jordan	736	28.1	0.0	50.0	21.7	0.2	28.1	32.4	24.1
Korea, Rep. of	611	60.5	3.0	34.0	2.5	0.0	60.5	57.6	63.1
Kuwait	593	6.7	2.4	51.2	39.3	0.4	6.7	6.8	6.6
Lebanon	537	20.7	2.0	39.0	37.9	0.5	20.7	18.8	22.8
Lithuania	574	26.7	2.7	33.1	37.5	0.0	26.7	31.1	22.6
Malaysia	634	13.7	1.1	68.3	16.4	0.5	13.7	14.6	12.6
Malta	661	23.7	1.6	48.5	25.8	0.3	23.7	26.0	21.3
Morocco	439	1.0	0.5	27.7	70.3	0.5	1.0	1.8	0.0
Norway	665	23.7	0.3	52.6	23.0	0.4	23.7	22.0	25.5
Oman	693	14.6	0.0	63.4	21.7	0.3	14.6	20.1	9.2
Palestinian Nat'l Auth.	620	9.9	0.4	63.9	25.4	0.3	9.9	13.9	5.9
Qatar	1016	4.6	0.1	62.3	32.9	0.2	4.6	5.2	4.0
Romania	595	28.8	0.7	34.6	35.9	0.0	28.8	31.2	26.7
Russian Federation	645	44.6	0.3	22.7	32.3	0.1	44.6	44.6	44.6
Saudi Arabia	602	3.9	0.2	69.1	26.1	0.7	3.9	3.0	4.7
Scotland	577	26.1	1.0	53.2	19.5	0.2	26.1	25.7	26.7
Serbia	582	28.9	0.6	23.0	47.4	0.1	28.9	30.4	27.4
Singapore	660	51.4	5.0	34.6	8.8	0.2	51.4	54.1	49.0
Slovenia	592	21.3	0.1	56.8	21.7	0.0	21.3	21.4	21.3
Sweden	747	16.9	1.0	56.0	25.9	0.1	16.9	19.7	14.5
Syrian Arab Republic	653	10.5	0.5	41.0	47.9	0.2	10.5	8.9	12.2
Thailand	770	14.1	0.6	53.9	31.1	0.3	14.1	18.0	10.3
Tunisia	578	6.0	0.1	56.1	36.7	1.1	6.0	6.2	5.8
Turkey	642	18.3	1.2	49.6	30.7	0.2	18.3	19.1	17.7
Ukraine	636	20.6	0.3	34.1	44.7	0.3	20.6	20.7	20.6
United States	1045	39.3	0.8	52.3	7.6	0.0	39.3	39.8	39.0
International Avg.	643	22.5	1.0	46.0	30.1	0.4	22.5	23.3	21.6
Basque Country, Spain	323	32.6	1.6	43.2	22.3	0.4	32.6	26.2	38.6
British Columbia, Canada	606	39.7	1.2	46.9	12.0	0.1	39.7	39.3	40.1
Dubai, UAE	462	32.9	0.3	40.9	25.9	0.0	32.9	34.3	31.6
Massachusetts, US	260	33.2	0.4	59.6	6.0	0.8	33.2	34.4	32.0
Minnesota, US	258	44.6	0.0	51.7	3.1	0.6	44.6	48.1	40.5
Ontario, Canada	491	36.2	3.1	50.8	9.7	0.2	36.2	33.6	38.9
Quebec, Canada	561	27.9	0.2	50.5	21.2	0.2	27.9	25.4	30.2

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Algebra / Knowing (M042234 - M08_06)
 Label: What is the value of x
 Type: MC Key: C

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	771	26.9	27.4	8.9	26.9	25.5	8.6	2.8	23.7	30.1
Armenia	683	58.7	10.7	6.4	58.7	18.2	5.7	0.3	62.3	55.0
Australia	573	53.7	16.7	7.0	53.7	21.0	1.6	0.0	54.7	52.7
Bahrain	615	33.0	16.3	10.4	33.0	37.3	1.8	1.2	36.8	29.6
Bosnia and Herzegovina	604	51.5	17.5	5.7	51.5	21.5	3.5	0.2	51.7	51.2
Botswana	593	30.6	26.1	17.4	30.6	20.6	3.5	1.8	31.4	29.8
Bulgaria	574	54.7	14.5	5.2	54.7	22.9	1.2	1.5	60.1	49.3
Chinese Taipei	577	74.7	8.0	2.4	74.7	14.9	0.0	0.0	76.7	72.7
Colombia	691	27.9	22.5	17.1	27.9	25.3	3.5	3.7	21.9	33.7
Cyprus	624	52.8	19.8	5.7	52.8	19.1	2.4	0.1	55.6	50.0
Czech Republic	688	50.8	18.1	4.7	50.8	22.5	3.7	0.2	53.1	48.8
Egypt	932	39.8	17.6	13.0	39.8	28.3	1.2	0.1	41.4	38.2
El Salvador	577	22.1	26.7	12.6	22.1	30.9	4.9	2.8	19.8	24.6
England	568	60.6	9.0	6.1	60.6	21.6	1.9	0.8	56.9	63.8
Georgia	600	45.2	19.9	6.8	45.2	25.1	2.2	0.7	44.2	46.3
Ghana	762	39.5	25.0	13.9	39.5	18.5	2.0	1.1	35.7	42.9
Hong Kong SAR	495	78.0	7.7	2.5	78.0	10.9	0.9	0.0	77.9	78.2
Hungary	582	56.3	10.5	3.3	56.3	25.5	4.4	0.0	60.0	52.8
Indonesia	600	33.7	34.2	11.6	33.7	18.7	1.7	0.2	33.6	33.8
Iran, Islamic Rep. of	569	37.3	25.3	11.4	37.3	22.8	2.8	0.4	38.3	36.5
Israel	474	65.6	10.1	3.9	65.6	14.3	4.9	1.4	61.1	70.8
Italy	634	35.7	23.2	6.3	35.7	29.6	4.9	0.2	33.1	38.4
Japan	624	62.4	8.8	4.1	62.4	23.0	1.8	0.0	56.4	68.4
Jordan	736	42.1	14.0	15.5	42.1	26.2	1.9	0.2	44.8	39.7
Korea, Rep. of	611	74.7	8.0	1.8	74.7	15.5	0.0	0.0	74.0	75.4
Kuwait	593	37.4	20.1	14.4	37.4	23.5	3.8	0.7	36.9	38.0
Lebanon	525	37.8	12.7	6.1	37.8	39.3	3.6	0.5	35.2	40.9
Lithuania	573	49.6	19.9	5.8	49.6	21.6	3.1	0.0	50.9	48.3
Malaysia	634	47.8	24.0	10.7	47.8	15.0	2.0	0.5	50.9	44.3
Malta	662	59.0	14.6	8.0	59.0	15.6	2.4	0.3	64.2	53.7
Morocco	438	29.3	17.6	6.4	29.3	40.1	6.1	0.5	26.8	32.3
Norway	665	41.2	13.7	11.1	41.2	27.3	6.2	0.5	37.2	45.2
Oman	693	32.3	21.7	18.3	32.3	25.3	1.9	0.4	32.5	32.1
Palestinian Nat'l Auth.	620	31.3	19.5	16.7	31.3	28.8	3.3	0.3	29.9	32.8
Qatar	1016	27.8	20.9	20.9	27.8	27.7	2.3	0.4	24.8	30.9
Romania	595	45.5	12.2	7.4	45.5	34.1	0.6	0.1	48.3	43.0
Russian Federation	645	67.8	12.8	2.2	67.8	15.1	1.9	0.1	70.5	64.8
Saudi Arabia	602	15.4	21.5	16.4	15.4	43.9	2.1	0.7	11.3	19.1
Scotland	577	53.0	17.2	7.4	53.0	19.1	3.1	0.2	49.9	56.6
Serbia	580	65.7	12.8	3.7	65.7	15.7	2.1	0.1	66.1	65.2
Singapore	660	81.8	7.0	3.5	81.8	7.5	0.0	0.2	87.4	76.9
Slovenia	592	50.9	18.0	6.6	50.9	20.2	4.3	0.0	51.0	50.8
Sweden	747	49.8	14.9	8.2	49.8	22.0	4.7	0.3	49.8	49.9
Syrian Arab Republic	653	28.1	16.8	11.3	28.1	41.5	2.3	0.2	26.5	29.8
Thailand	770	38.6	25.1	13.5	38.6	19.9	2.2	0.7	42.9	34.4
Tunisia	578	26.8	16.0	8.5	26.8	42.1	5.1	1.5	21.8	31.8
Turkey	642	40.3	27.4	13.4	40.3	18.1	0.5	0.3	41.8	38.9
Ukraine	636	52.0	19.1	5.3	52.0	22.2	1.2	0.3	51.2	52.8
United States	1045	69.4	10.5	4.6	69.4	14.4	0.9	0.1	68.1	70.7
International Avg.	643	46.7	17.4	8.9	46.7	23.7	2.8	0.6	46.5	46.8
Basque Country, Spain	323	41.4	12.7	4.2	41.4	37.2	4.1	0.4	38.2	44.5
British Columbia, Canada	606	61.6	12.5	5.7	61.6	16.7	3.4	0.1	58.8	64.3
Dubai, UAE	462	62.0	8.7	5.9	62.0	19.6	3.5	0.3	54.2	69.4
Massachusetts, US	260	77.5	5.9	2.0	77.5	12.4	1.3	0.8	76.4	78.7
Minnesota, US	258	76.0	5.8	4.8	76.0	11.8	1.1	0.6	76.5	75.3
Ontario, Canada	491	61.6	13.9	4.1	61.6	18.2	2.0	0.2	57.3	66.0
Quebec, Canada	561	69.5	6.9	4.9	69.5	15.4	3.0	0.2	65.5	73.2

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Algebra / Reasoning (M042066 - M08_07)

Label: Missing term in the sequence

Type: CR Key: -

COUNTRY	N	10	70	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	767	15.6	1.2	52.2	27.7	3.4	15.6	11.6	19.8
Armenia	683	70.1	0.4	17.9	11.3	0.3	70.1	75.7	64.6
Australia	573	53.0	6.7	28.4	11.9	0.0	53.0	50.2	55.5
Bahrain	615	23.5	3.9	60.6	10.8	1.2	23.5	23.9	23.1
Bosnia and Herzegovina	604	48.3	1.2	32.7	17.6	0.2	48.3	50.0	46.7
Botswana	593	30.7	9.3	50.4	6.9	2.6	30.7	33.8	27.4
Bulgaria	574	44.5	3.4	29.8	20.9	1.5	44.5	47.2	41.8
Chinese Taipei	577	72.4	2.2	20.9	4.5	0.0	72.4	73.9	70.9
Colombia	691	29.8	2.5	51.7	11.4	4.6	29.8	25.8	33.6
Cyprus	624	31.7	5.8	43.5	18.9	0.1	31.7	31.9	31.4
Czech Republic	688	57.5	3.8	25.8	12.2	0.7	57.5	59.8	55.5
Egypt	933	39.6	1.6	50.9	7.8	0.1	39.6	40.1	39.2
El Salvador	577	11.8	3.9	64.4	16.9	2.9	11.8	12.1	11.5
England	568	52.0	8.0	32.0	7.1	0.8	52.0	54.0	50.2
Georgia	600	23.2	1.7	40.5	33.9	0.7	23.2	24.9	21.3
Ghana	762	18.2	1.6	57.0	22.0	1.3	18.2	18.1	18.2
Hong Kong SAR	495	60.9	5.0	29.1	5.0	0.0	60.9	62.7	59.1
Hungary	582	52.7	5.1	27.5	14.7	0.0	52.7	59.6	46.1
Indonesia	600	27.9	1.8	60.2	9.7	0.4	27.9	24.1	31.9
Iran, Islamic Rep. of	569	25.4	3.2	56.4	14.6	0.4	25.4	25.1	25.6
Israel	474	42.8	5.5	27.6	22.6	1.6	42.8	41.1	44.7
Italy	635	45.5	3.5	32.2	18.6	0.2	45.5	41.8	49.4
Japan	624	61.0	2.2	27.9	8.8	0.0	61.0	56.8	65.3
Jordan	736	34.4	5.1	53.3	7.0	0.2	34.4	35.2	33.7
Korea, Rep. of	611	70.5	5.8	20.5	3.3	0.0	70.5	68.1	72.7
Kuwait	593	16.4	5.9	57.5	19.2	1.1	16.4	11.4	22.1
Lebanon	537	27.4	3.3	44.0	24.8	0.5	27.4	26.8	28.2
Lithuania	574	46.7	3.0	35.1	15.2	0.0	46.7	46.4	46.9
Malaysia	634	42.1	6.0	45.2	6.2	0.5	42.1	43.7	40.3
Malta	659	35.1	13.1	43.9	7.6	0.3	35.1	37.3	32.8
Morocco	440	19.8	3.8	42.5	33.4	0.5	19.8	16.7	23.3
Norway	665	47.0	3.5	40.3	8.7	0.5	47.0	49.3	44.6
Oman	693	30.2	5.1	53.2	11.0	0.4	30.2	35.0	25.5
Palestinian Nat'l Auth.	620	24.2	5.6	61.6	8.2	0.4	24.2	25.4	23.1
Qatar	1016	11.3	4.9	67.8	15.6	0.4	11.3	11.2	11.4
Romania	595	32.1	2.3	49.2	16.4	0.1	32.1	33.6	30.7
Russian Federation	645	52.7	3.5	28.6	15.0	0.1	52.7	56.9	48.0
Saudi Arabia	602	16.6	6.8	65.0	10.9	0.7	16.6	13.5	19.4
Scotland	577	58.9	4.3	24.6	11.9	0.3	58.9	58.7	59.1
Serbia	582	44.9	2.6	31.1	21.3	0.1	44.9	45.3	44.6
Singapore	660	63.6	6.9	26.4	2.9	0.2	63.6	63.1	64.0
Slovenia	592	39.9	6.1	44.2	9.5	0.3	39.9	38.2	41.5
Sweden	747	50.7	5.1	31.8	11.8	0.6	50.7	53.8	47.9
Syrian Arab Republic	653	19.9	2.6	64.4	12.9	0.2	19.9	17.6	22.5
Thailand	770	39.4	4.2	48.6	7.1	0.8	39.4	42.9	35.9
Tunisia	578	21.7	2.5	56.7	17.6	1.5	21.7	18.5	24.9
Turkey	642	44.6	5.4	40.7	9.0	0.3	44.6	47.3	42.2
Ukraine	636	37.7	3.4	42.6	16.0	0.3	37.7	36.9	38.7
United States	1045	46.3	9.2	39.9	4.4	0.2	46.3	45.5	47.1
International Avg.	643	39.0	4.4	42.4	13.5	0.7	39.0	39.2	38.9
Basque Country, Spain	323	50.6	5.1	35.4	8.6	0.4	50.6	45.5	55.3
British Columbia, Canada	606	46.7	6.4	36.0	10.7	0.3	46.7	42.4	50.7
Dubai, UAE	462	45.8	4.5	37.5	11.7	0.4	45.8	45.0	46.6
Massachusetts, US	260	51.3	7.0	36.3	4.3	1.1	51.3	48.0	54.5
Minnesota, US	258	54.2	7.4	35.0	2.8	0.6	54.2	57.5	50.5
Ontario, Canada	491	51.3	7.7	32.5	7.7	0.7	51.3	48.6	54.0
Quebec, Canada	561	45.9	3.8	37.5	12.2	0.6	45.9	45.2	46.4

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Algebra / Knowing (M042243 - M08_08)
 Label: Which equation is satisfied
 Type: MC Key: A

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	772	13.0	13.0	15.5	30.6	28.7	8.4	3.8	12.1	13.8
Armenia	681	63.8	63.8	11.1	9.3	9.2	6.2	0.4	64.2	63.4
Australia	572	45.4	45.4	12.5	17.9	21.0	3.2	0.0	44.8	45.9
Bahrain	615	24.9	24.9	27.9	17.6	25.0	3.3	1.2	27.0	23.1
Bosnia and Herzegovina	604	55.6	55.6	12.7	9.7	16.8	5.0	0.2	56.0	55.2
Botswana	593	18.1	18.1	15.9	23.8	37.1	1.6	3.6	19.2	16.9
Bulgaria	574	43.6	43.6	27.9	11.5	12.2	3.2	1.5	47.5	39.8
Chinese Taipei	577	80.3	80.3	7.9	7.4	4.0	0.4	0.0	82.3	78.4
Colombia	691	10.5	10.5	15.4	27.3	37.9	3.5	5.4	8.7	12.2
Cyprus	624	45.5	45.5	10.5	15.7	24.1	4.0	0.2	52.4	38.5
Czech Republic	688	36.2	36.2	13.2	25.4	18.0	6.4	0.8	40.3	32.6
Egypt	928	23.6	23.6	29.7	21.9	22.7	1.6	0.5	23.0	24.1
El Salvador	577	9.1	9.1	18.2	27.8	38.1	3.3	3.4	8.1	10.3
England	568	58.2	58.2	10.1	12.3	16.9	1.6	0.8	56.3	59.9
Georgia	600	41.6	41.6	18.7	12.7	23.2	2.7	1.1	41.0	42.3
Ghana	762	10.2	10.2	20.0	27.9	37.0	3.1	1.7	9.9	10.5
Hong Kong SAR	495	72.6	72.6	8.4	11.3	6.3	1.4	0.0	75.2	70.0
Hungary	582	47.1	47.1	10.7	19.6	19.0	3.6	0.0	49.3	44.9
Indonesia	600	12.8	12.8	21.9	24.4	38.4	2.0	0.5	12.0	13.6
Iran, Islamic Rep. of	569	20.6	20.6	15.2	27.4	34.5	1.7	0.6	20.6	20.6
Israel	474	42.3	42.3	17.4	12.3	20.1	6.0	1.8	43.1	41.5
Italy	633	25.6	25.6	15.5	25.1	25.3	7.9	0.6	26.9	24.3
Japan	624	61.2	61.2	14.0	13.3	9.9	1.6	0.0	56.3	66.2
Jordan	736	40.1	40.1	19.0	15.3	23.5	1.9	0.2	42.0	38.3
Korea, Rep. of	611	76.7	76.7	6.2	6.6	10.2	0.3	0.0	77.6	76.0
Kuwait	593	15.7	15.7	26.5	21.8	27.8	7.1	1.2	14.8	16.7
Lebanon	527	40.0	40.0	26.2	11.0	18.5	3.8	0.5	40.5	39.5
Lithuania	572	39.2	39.2	19.4	12.9	25.8	2.8	0.0	43.1	35.5
Malaysia	634	28.3	28.3	19.5	16.9	31.5	2.8	1.1	28.0	28.6
Malta	661	29.2	29.2	22.9	20.9	23.3	3.3	0.3	29.7	28.7
Morocco	435	14.9	14.9	27.4	27.4	17.6	11.6	1.1	15.6	14.1
Norway	665	21.5	21.5	13.7	20.0	36.4	7.9	0.5	20.8	22.2
Oman	693	22.7	22.7	16.1	23.1	34.6	3.1	0.4	25.3	20.1
Palestinian Nat'l Auth.	620	22.0	22.0	22.2	24.5	28.5	2.3	0.4	22.0	21.9
Qatar	1016	16.6	16.6	26.2	28.6	25.1	2.8	0.6	13.2	20.1
Romania	595	54.1	54.1	13.5	13.2	17.1	2.0	0.1	55.5	52.8
Russian Federation	645	56.6	56.6	13.5	12.7	15.0	1.9	0.4	58.4	54.7
Saudi Arabia	600	8.1	8.1	21.4	25.2	42.4	2.2	0.7	6.6	9.6
Scotland	577	44.1	44.1	9.8	19.0	23.0	3.8	0.3	41.2	47.5
Serbia	580	60.4	60.4	11.6	11.5	11.5	4.5	0.5	63.1	57.8
Singapore	660	71.1	71.1	9.8	10.9	7.6	0.4	0.2	75.2	67.4
Slovenia	592	50.1	50.1	8.9	16.0	18.0	6.6	0.3	53.8	46.2
Sweden	747	43.6	43.6	11.9	18.4	18.3	6.9	1.0	43.7	43.4
Syrian Arab Republic	653	27.0	27.0	23.2	20.8	27.2	1.6	0.2	28.2	25.7
Thailand	770	27.4	27.4	14.6	25.3	29.9	1.7	1.1	30.6	24.3
Tunisia	578	22.6	22.6	15.8	16.7	38.1	4.9	1.9	22.0	23.2
Turkey	642	33.2	33.2	13.1	22.1	28.8	2.5	0.3	37.0	29.7
Ukraine	636	45.8	45.8	18.0	15.2	17.9	2.8	0.3	43.6	48.3
United States	1045	57.8	57.8	11.1	13.5	16.4	0.9	0.3	57.5	58.0
International Avg.	643	37.4	37.4	16.6	18.4	23.3	3.6	0.9	38.1	36.7
Basque Country, Spain	323	44.2	44.2	20.2	18.0	11.2	6.1	0.4	48.1	40.5
British Columbia, Canada	606	59.9	59.9	8.3	15.9	11.4	4.2	0.3	58.4	61.2
Dubai, UAE	462	44.5	44.5	16.9	18.2	18.9	1.0	0.5	42.3	46.6
Massachusetts, US	260	74.2	74.2	6.5	9.1	8.1	1.0	1.1	73.4	75.0
Minnesota, US	258	63.6	63.6	7.4	14.7	13.8	0.0	0.6	62.8	64.5
Ontario, Canada	491	58.0	58.0	8.2	17.5	13.2	1.7	1.4	61.2	54.7
Quebec, Canada	561	55.4	55.4	12.2	11.9	15.4	4.5	0.6	60.0	51.4

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Algebra / Knowing (M042248 - M08_09)
 Label: What is the value of n
 Type: CR Key: -

COUNTRY	N	10	70	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	771	6.2	9.3	53.2	27.6	3.6	6.2	7.1	5.4
Armenia	683	65.9	2.3	26.3	5.0	0.4	65.9	67.8	64.0
Australia	573	24.0	8.7	54.7	12.4	0.3	24.0	24.1	23.9
Bahrain	615	9.3	2.8	74.0	12.8	1.2	9.3	12.0	6.8
Bosnia and Herzegovina	604	26.0	3.3	46.6	23.9	0.2	26.0	27.2	24.9
Botswana	597	4.5	3.1	83.5	5.5	3.4	4.5	4.6	4.4
Bulgaria	574	25.1	1.0	50.2	22.1	1.7	25.1	24.9	25.4
Chinese Taipei	577	70.0	1.7	24.4	3.9	0.0	70.0	73.7	66.5
Colombia	691	3.3	1.7	72.8	16.3	5.9	3.3	2.1	4.5
Cyprus	624	27.6	10.8	41.1	20.3	0.2	27.6	32.3	22.8
Czech Republic	688	16.1	3.4	61.0	18.7	0.8	16.1	16.2	16.0
Egypt	932	24.7	6.4	62.3	6.1	0.5	24.7	28.1	21.4
El Salvador	577	1.0	1.5	70.4	23.2	3.8	1.0	0.7	1.3
England	568	34.9	11.4	47.6	5.1	1.0	34.9	37.5	32.6
Georgia	600	25.2	1.5	38.4	33.5	1.4	25.2	25.2	25.1
Ghana	762	7.5	1.0	75.8	13.6	2.0	7.5	6.7	8.3
Hong Kong SAR	495	60.3	2.1	34.9	2.7	0.0	60.3	64.9	55.6
Hungary	582	27.1	5.9	49.3	17.6	0.0	27.1	24.7	29.4
Indonesia	600	10.0	5.1	74.5	9.8	0.7	10.0	11.5	8.4
Iran, Islamic Rep. of	569	10.0	7.9	64.4	17.2	0.6	10.0	11.4	8.7
Israel	474	28.6	3.4	46.3	19.9	1.8	28.6	27.5	29.9
Italy	635	15.5	5.6	55.3	23.0	0.6	15.5	15.5	15.5
Japan	624	36.7	2.4	52.0	8.9	0.0	36.7	33.5	39.9
Jordan	736	24.7	4.9	63.1	7.1	0.2	24.7	28.1	21.5
Korea, Rep. of	611	62.2	1.2	33.9	2.7	0.0	62.2	63.2	61.3
Kuwait	593	2.4	2.2	74.8	19.4	1.2	2.4	1.5	3.5
Lebanon	537	36.1	10.0	41.7	11.7	0.5	36.1	35.4	36.9
Lithuania	574	23.0	3.0	50.5	23.3	0.2	23.0	27.1	19.1
Malaysia	634	25.3	7.7	56.8	8.8	1.4	25.3	26.9	23.5
Malta	657	23.6	9.4	55.1	11.5	0.3	23.6	23.4	23.8
Morocco	440	4.9	0.2	45.0	48.7	1.1	4.9	5.9	3.7
Norway	665	8.5	6.4	70.7	13.9	0.5	8.5	9.0	7.9
Oman	693	17.6	2.4	69.6	9.9	0.6	17.6	25.3	10.3
Palestinian Nat'l Auth.	618	14.3	6.0	73.1	6.1	0.5	14.3	20.4	8.2
Qatar	1016	2.0	3.1	78.4	15.8	0.6	2.0	2.7	1.4
Romania	595	43.7	3.5	41.8	10.8	0.1	43.7	50.8	37.4
Russian Federation	645	45.8	3.0	39.8	11.1	0.4	45.8	52.2	38.6
Saudi Arabia	602	4.3	3.7	79.6	11.5	1.0	4.3	5.3	3.3
Scotland	577	23.1	11.2	52.4	12.9	0.3	23.1	21.5	25.0
Serbia	581	34.4	2.2	42.2	20.7	0.5	34.4	39.3	29.8
Singapore	660	67.5	5.0	25.3	1.9	0.2	67.5	70.2	65.2
Slovenia	592	21.8	6.6	65.1	6.1	0.3	21.8	20.0	23.7
Sweden	747	20.9	9.7	52.9	15.2	1.3	20.9	23.0	19.0
Syrian Arab Republic	653	11.4	17.4	60.0	11.0	0.2	11.4	10.6	12.3
Thailand	770	16.6	2.6	68.9	10.7	1.1	16.6	20.6	12.7
Tunisia	578	11.5	4.7	65.5	16.3	2.0	11.5	11.3	11.7
Turkey	642	28.1	3.7	59.2	8.7	0.3	28.1	29.0	27.2
Ukraine	636	25.5	3.6	52.0	18.7	0.3	25.5	26.0	24.9
United States	1045	41.4	7.7	47.2	3.4	0.3	41.4	42.7	40.1
International Avg.	643	24.5	5.0	55.6	14.0	0.9	24.5	25.9	23.1
Basque Country, Spain	323	35.8	7.2	39.7	16.9	0.4	35.8	32.9	38.6
British Columbia, Canada	606	38.4	12.5	41.8	7.0	0.3	38.4	42.0	35.1
Dubai, UAE	462	36.3	2.4	51.4	9.3	0.5	36.3	33.8	38.7
Massachusetts, US	260	51.2	9.4	34.8	3.5	1.1	51.2	50.5	51.8
Minnesota, US	258	42.6	11.0	44.8	1.0	0.6	42.6	41.0	44.5
Ontario, Canada	491	34.7	11.9	43.8	8.1	1.6	34.7	32.5	36.9
Quebec, Canada	561	43.2	12.9	34.3	8.7	0.8	43.2	45.9	40.8

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Algebra / Applying (M042229A - M08_10A)
 Label: Write an equation to find x
 Type: CR Key: -

COUNTRY	N	10	70	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	771	2.7	1.4	54.3	36.5	5.1	2.7	2.8	2.7
Armenia	683	62.6	1.3	20.3	15.5	0.4	62.6	63.2	62.0
Australia	573	11.1	4.1	55.2	29.3	0.3	11.1	11.6	10.6
Bahrain	615	12.7	3.6	56.0	25.9	1.8	12.7	18.0	7.8
Bosnia and Herzegovina	604	17.9	1.3	31.2	49.3	0.3	17.9	16.8	18.9
Botswana	597	3.2	3.2	80.6	9.1	3.8	3.2	4.7	1.7
Bulgaria	574	29.8	0.4	33.8	34.4	1.7	29.8	35.0	24.6
Chinese Taipei	577	71.9	1.7	11.8	14.6	0.0	71.9	73.1	70.8
Colombia	691	4.4	2.5	54.3	31.7	7.1	4.4	2.6	6.0
Cyprus	624	37.5	17.5	18.3	26.1	0.6	37.5	45.4	29.5
Czech Republic	688	36.5	4.2	32.5	26.0	0.8	36.5	39.4	34.0
Egypt	933	14.4	2.1	63.7	19.3	0.5	14.4	15.3	13.6
El Salvador	577	0.7	0.1	51.1	43.3	4.8	0.7	0.8	0.5
England	567	13.9	7.0	53.7	24.4	1.0	13.9	14.3	13.4
Georgia	600	20.9	3.9	22.4	51.1	1.7	20.9	23.3	18.3
Ghana	762	2.7	0.4	70.2	24.2	2.5	2.7	2.6	2.8
Hong Kong SAR	495	73.7	0.4	16.1	9.8	0.0	73.7	79.4	68.0
Hungary	582	47.5	3.0	25.0	24.4	0.1	47.5	52.7	42.5
Indonesia	600	5.1	0.6	63.9	29.6	0.8	5.1	6.9	3.2
Iran, Islamic Rep. of	569	5.0	0.2	59.7	33.3	1.8	5.0	4.8	5.1
Israel	474	46.0	0.4	27.0	24.4	2.1	46.0	50.3	40.8
Italy	635	17.3	2.1	37.5	42.5	0.6	17.3	19.5	15.1
Japan	624	46.3	3.5	34.2	16.0	0.0	46.3	46.2	46.4
Jordan	736	19.9	6.5	59.2	13.8	0.6	19.9	25.1	15.0
Korea, Rep. of	611	69.6	3.5	17.5	9.4	0.0	69.6	72.3	67.2
Kuwait	593	1.1	0.3	61.9	35.1	1.6	1.1	1.5	0.7
Lebanon	537	28.6	1.7	49.2	20.0	0.5	28.6	30.5	26.4
Lithuania	574	34.4	3.0	31.9	30.4	0.2	34.4	44.2	25.2
Malaysia	634	10.7	1.6	68.1	17.9	1.6	10.7	9.3	12.3
Malta	662	20.8	3.0	48.0	27.7	0.6	20.8	23.1	18.4
Morocco	439	10.8	0.2	48.2	39.6	1.2	10.8	12.4	8.9
Norway	665	7.5	2.2	50.1	39.2	1.0	7.5	7.3	7.8
Oman	693	17.5	11.4	55.6	14.7	0.8	17.5	25.4	9.8
Palestinian Nat'l Auth.	618	6.1	3.9	75.2	14.2	0.5	6.1	8.9	3.4
Qatar	1016	0.7	1.4	67.8	29.4	0.7	0.7	0.6	0.8
Romania	595	38.4	1.1	33.1	27.3	0.1	38.4	41.1	36.0
Russian Federation	645	51.5	2.1	25.1	20.8	0.4	51.5	53.8	49.1
Saudi Arabia	602	1.3	0.9	71.3	25.3	1.3	1.3	1.6	0.9
Scotland	577	15.0	3.5	46.9	34.2	0.3	15.0	14.8	15.2
Serbia	581	36.8	2.0	18.4	42.1	0.7	36.8	39.9	33.8
Singapore	660	61.1	2.7	27.8	7.9	0.4	61.1	69.5	53.7
Slovenia	592	11.6	2.9	63.1	22.1	0.3	11.6	14.0	9.1
Sweden	744	19.4	9.4	37.0	32.8	1.5	19.4	21.5	17.5
Syrian Arab Republic	653	16.7	3.9	47.7	31.6	0.2	16.7	16.3	17.0
Thailand	770	12.3	1.5	61.2	23.5	1.4	12.3	17.1	7.7
Tunisia	578	4.5	1.4	63.2	28.5	2.3	4.5	4.6	4.4
Turkey	642	27.7	1.7	42.6	27.6	0.4	27.7	29.9	25.6
Ukraine	636	36.3	2.5	32.5	27.7	1.0	36.3	38.7	33.6
United States	1045	22.3	5.1	58.6	13.3	0.6	22.3	22.5	22.2
International Avg.	643	23.8	2.9	45.6	26.5	1.2	23.8	26.0	21.6
Basque Country, Spain	323	37.6	2.6	35.8	23.3	0.6	37.6	39.4	36.0
British Columbia, Canada	606	21.1	5.1	47.9	25.4	0.6	21.1	21.0	21.2
Dubai, UAE	462	31.7	0.6	43.7	23.3	0.6	31.7	34.1	29.5
Massachusetts, US	260	28.1	4.9	54.7	11.1	1.1	28.1	28.0	28.3
Minnesota, US	258	26.1	5.8	62.4	5.1	0.6	26.1	29.0	22.8
Ontario, Canada	491	19.6	7.1	50.5	20.8	2.0	19.6	16.5	22.9
Quebec, Canada	561	39.7	9.1	33.4	15.9	1.8	39.7	48.3	32.1

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Algebra / Knowing (M042229B - M08_10B)
 Label: Length of longest side of triangle
 Type: CR Key: -

COUNTRY	N	10	11	70	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	770	1.6	0.8	0.3	56.2	35.5	5.5	2.5	3.0	2.0
Armenia	683	56.5	3.0	1.7	22.2	16.3	0.4	59.5	62.2	56.8
Australia	573	24.0	0.0	3.1	44.5	27.9	0.5	24.0	20.8	27.0
Bahrain	615	9.3	2.1	3.2	63.2	20.3	1.8	11.4	16.1	7.1
Bosnia and Herzegovina	604	14.3	0.5	1.7	32.8	50.5	0.3	14.8	12.9	16.7
Botswana	597	2.0	0.0	2.6	81.7	9.0	4.7	2.0	2.7	1.2
Bulgaria	574	31.4	1.7	6.1	27.9	31.3	1.7	33.1	41.5	24.8
Chinese Taipei	577	66.2	0.2	3.5	19.9	10.2	0.0	66.4	67.4	65.4
Colombia	691	2.8	2.2	1.8	60.6	24.5	8.0	5.1	3.7	6.4
Cyprus	624	24.6	2.1	4.8	32.0	35.9	0.6	26.8	31.2	22.3
Czech Republic	688	26.8	2.2	4.0	34.1	32.0	0.8	29.1	31.7	26.8
Egypt	933	13.3	0.1	5.8	66.7	13.5	0.7	13.4	14.0	12.8
El Salvador	577	0.9	0.0	6.4	59.0	28.4	5.4	0.9	1.0	0.7
England	568	27.9	0.9	6.3	38.7	25.2	1.0	28.8	27.1	30.2
Georgia	600	17.5	0.1	4.8	26.8	48.8	2.1	17.6	18.3	16.8
Ghana	762	1.6	0.3	2.8	70.9	21.7	2.8	1.8	2.0	1.7
Hong Kong SAR	495	51.9	0.6	10.8	25.5	11.2	0.0	52.5	55.5	49.4
Hungary	582	39.0	1.3	2.6	32.4	24.4	0.3	40.3	43.5	37.2
Indonesia	600	4.6	0.0	1.9	71.8	20.6	1.2	4.6	5.9	3.3
Iran, Islamic Rep. of	569	5.2	0.0	2.4	58.1	31.9	2.4	5.2	5.6	4.9
Israel	474	36.2	0.5	1.9	28.9	30.3	2.1	36.7	36.2	37.3
Italy	635	14.2	0.2	1.9	41.1	41.9	0.7	14.4	14.7	14.2
Japan	624	40.3	2.0	6.1	38.1	13.6	0.0	42.2	41.0	43.5
Jordan	736	15.4	0.8	1.8	70.4	11.1	0.6	16.1	18.0	14.5
Korea, Rep. of	611	64.3	0.9	3.5	23.3	8.0	0.0	65.2	66.9	63.6
Kuwait	593	2.3	0.1	2.8	66.0	27.1	1.6	2.4	3.0	1.8
Lebanon	537	19.5	1.0	7.6	45.5	25.8	0.7	20.5	21.1	19.8
Lithuania	574	21.4	1.8	4.4	40.5	31.7	0.2	23.2	27.6	19.1
Malaysia	634	16.2	0.9	3.8	63.4	13.9	1.6	17.2	17.1	17.2
Malta	661	17.6	1.0	2.4	52.8	25.5	0.6	18.6	19.0	18.2
Morocco	439	4.8	0.2	1.5	57.8	34.0	1.8	5.0	6.9	2.8
Norway	665	9.7	2.5	1.8	55.5	29.3	1.2	12.2	13.1	11.3
Oman	693	8.0	0.6	6.1	68.7	15.8	0.9	8.6	12.5	4.8
Palestinian Nat'l Auth.	619	3.9	0.4	7.8	72.9	14.2	0.7	4.4	5.4	3.3
Qatar	1016	1.3	0.2	2.6	71.0	24.2	0.8	1.5	1.9	1.0
Romania	595	28.1	2.0	4.8	42.1	22.8	0.2	30.1	31.3	29.1
Russian Federation	645	40.5	0.0	6.1	27.4	24.9	1.1	40.5	42.7	38.0
Saudi Arabia	602	3.2	0.0	4.4	73.1	17.9	1.5	3.2	1.3	4.9
Scotland	577	22.3	2.0	4.7	37.3	33.1	0.6	24.3	25.2	23.3
Serbia	581	28.9	1.2	3.1	22.0	44.0	0.7	30.1	32.8	27.5
Singapore	660	59.8	2.3	2.4	27.3	7.6	0.6	62.2	65.7	59.1
Slovenia	592	21.5	0.7	5.7	50.6	20.9	0.6	22.2	19.4	25.1
Sweden	747	23.7	2.6	4.3	36.0	31.5	1.9	26.3	27.8	25.0
Syrian Arab Republic	653	7.9	0.3	1.7	68.6	21.0	0.4	8.2	7.4	9.2
Thailand	770	12.9	0.0	4.5	62.5	18.5	1.5	12.9	17.2	8.8
Tunisia	578	5.3	0.5	3.3	62.7	25.7	2.6	5.7	3.1	8.3
Turkey	642	22.6	0.3	4.0	55.5	17.2	0.4	22.9	24.7	21.2
Ukraine	636	23.5	0.6	6.2	39.7	29.1	1.0	24.0	23.7	24.4
United States	1045	25.2	2.7	5.7	52.9	12.9	0.6	27.9	27.0	28.8
International Avg.	643	20.9	0.9	3.9	48.5	24.3	1.4	21.8	22.9	20.8
Basque Country, Spain	323	27.0	1.3	3.2	36.4	31.4	0.6	28.4	30.7	26.1
British Columbia, Canada	606	26.8	3.7	3.0	40.5	25.0	1.1	30.5	28.1	32.8
Dubai, UAE	462	24.2	0.7	4.7	44.9	23.9	1.6	24.9	23.3	26.4
Massachusetts, US	260	42.9	1.2	4.8	36.9	12.4	1.8	44.1	40.0	48.1
Minnesota, US	258	32.8	1.5	6.2	53.1	5.8	0.6	34.4	34.1	34.6
Ontario, Canada	491	28.2	3.6	2.9	40.7	22.0	2.6	31.8	31.8	31.8
Quebec, Canada	561	34.4	4.9	2.0	34.7	22.1	1.9	39.3	46.5	32.9

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Algebra / Knowing (M042080A - M08_11A)

Label: What is a+b

Type: CR Key: -

COUNTRY	N	10	70	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	770	3.6	0.0	60.8	29.8	5.9	3.6	3.9	3.2
Armenia	684	75.5	1.9	17.2	5.1	0.4	75.5	74.4	76.6
Australia	573	37.9	0.2	45.7	15.7	0.5	37.9	35.0	40.6
Bahrain	615	16.5	0.6	63.1	17.7	2.2	16.5	20.6	12.7
Bosnia and Herzegovina	604	32.1	0.0	35.5	32.1	0.3	32.1	31.4	32.7
Botswana	597	25.4	0.2	64.9	3.8	5.7	25.4	21.7	29.3
Bulgaria	574	45.6	0.1	30.5	22.1	1.7	45.6	47.4	43.8
Chinese Taipei	577	74.2	0.5	16.4	8.9	0.0	74.2	79.7	68.9
Colombia	691	21.0	0.6	57.6	12.4	8.4	21.0	21.7	20.5
Cyprus	624	22.8	0.6	47.4	28.5	0.7	22.8	24.0	21.5
Czech Republic	688	30.7	0.2	51.0	17.2	0.8	30.7	33.6	28.1
Egypt	933	31.0	0.2	54.5	13.6	0.7	31.0	34.9	27.2
El Salvador	577	10.2	0.1	60.6	23.7	5.4	10.2	11.7	8.6
England	568	35.6	0.8	53.5	9.2	1.0	35.6	37.6	33.8
Georgia	600	25.8	0.0	42.7	29.4	2.1	25.8	26.4	25.2
Ghana	762	16.0	0.4	67.2	12.7	3.7	16.0	16.4	15.7
Hong Kong SAR	495	59.2	0.3	33.9	6.3	0.3	59.2	64.3	54.0
Hungary	582	40.7	0.1	36.2	22.8	0.3	40.7	40.1	41.2
Indonesia	600	23.1	0.3	63.9	11.5	1.2	23.1	23.1	23.1
Iran, Islamic Rep. of	569	17.4	0.0	51.4	28.8	2.4	17.4	22.7	13.0
Israel	474	31.6	0.4	35.0	30.8	2.1	31.6	33.6	29.2
Italy	635	23.7	0.2	35.6	39.8	0.7	23.7	22.6	24.9
Japan	624	61.7	0.0	27.9	10.4	0.0	61.7	59.5	63.9
Jordan	736	26.5	1.3	62.0	9.6	0.6	26.5	31.6	21.7
Korea, Rep. of	611	70.1	0.3	22.7	6.9	0.0	70.1	68.6	71.6
Kuwait	593	19.2	0.2	52.2	26.6	1.8	19.2	19.8	18.4
Lebanon	537	43.0	0.3	46.7	9.2	0.8	43.0	42.1	44.1
Lithuania	574	25.8	0.5	56.2	17.3	0.2	25.8	26.2	25.3
Malaysia	634	32.7	0.5	54.8	10.4	1.6	32.7	32.7	32.7
Malta	661	29.1	0.3	54.6	15.4	0.6	29.1	28.6	29.6
Morocco	437	18.9	0.4	51.3	27.7	1.8	18.9	23.0	14.1
Norway	665	27.2	0.1	54.6	16.9	1.2	27.2	28.2	26.2
Oman	693	23.8	1.2	58.8	15.1	1.2	23.8	27.7	20.0
Palestinian Nat'l Auth.	619	11.9	0.2	76.4	10.8	0.7	11.9	13.6	10.2
Qatar	1016	15.2	0.0	61.5	22.5	0.9	15.2	20.7	9.4
Romania	595	53.7	0.1	32.8	13.2	0.2	53.7	58.5	49.4
Russian Federation	645	52.2	0.3	31.6	14.8	1.1	52.2	54.8	49.3
Saudi Arabia	602	14.9	0.0	64.2	19.4	1.5	14.9	17.9	12.2
Scotland	577	44.2	0.3	41.9	13.1	0.6	44.2	43.4	45.0
Serbia	582	51.5	0.3	27.3	20.3	0.7	51.5	51.5	51.4
Singapore	660	63.2	0.7	31.9	3.7	0.6	63.2	64.9	61.7
Slovenia	592	34.6	0.2	53.6	11.0	0.6	34.6	32.7	36.6
Sweden	747	34.3	0.5	46.5	16.9	1.9	34.3	37.9	31.1
Syrian Arab Republic	652	21.3	0.9	59.2	18.1	0.4	21.3	23.3	19.1
Thailand	770	32.1	0.0	53.7	12.7	1.5	32.1	34.1	30.2
Tunisia	578	21.6	0.4	61.6	13.6	2.8	21.6	18.7	24.6
Turkey	642	39.7	0.4	37.4	22.0	0.4	39.7	46.1	34.0
Ukraine	636	28.7	0.2	43.9	26.2	1.0	28.7	29.9	27.5
United States	1045	40.4	0.1	53.0	5.9	0.7	40.4	40.2	40.6
International Avg.	643	33.4	0.4	47.8	17.0	1.5	33.4	34.8	32.1
Basque Country, Spain	323	25.4	0.4	59.4	14.1	0.6	25.4	25.8	25.1
British Columbia, Canada	606	35.6	0.3	49.5	13.5	1.1	35.6	36.4	34.8
Dubai, UAE	462	36.8	0.2	47.4	14.0	1.6	36.8	35.7	37.8
Massachusetts, US	260	42.7	0.8	46.4	7.9	2.2	42.7	44.4	41.1
Minnesota, US	258	39.2	0.6	56.0	3.7	0.6	39.2	42.4	35.6
Ontario, Canada	491	30.7	0.4	46.7	18.5	3.7	30.7	31.5	29.9
Quebec, Canada	561	37.1	0.4	44.6	15.7	2.2	37.1	38.4	35.9

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Algebra / Knowing (M042080B - M08_11B)

Label: What is a-b

Type: CR Key: -

COUNTRY	N	10	70	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	769	0.4	11.5	50.9	30.8	6.5	0.4	0.3	0.6
Armenia	684	54.5	20.9	16.0	8.3	0.4	54.5	51.5	57.5
Australia	573	2.5	30.8	47.6	18.6	0.5	2.5	1.4	3.6
Bahrain	615	5.6	18.3	54.2	19.6	2.4	5.6	7.1	4.2
Bosnia and Herzegovina	604	14.9	17.1	30.7	36.9	0.3	14.9	17.5	12.4
Botswana	597	1.7	30.5	56.3	5.6	5.9	1.7	2.3	1.1
Bulgaria	574	28.2	18.3	28.0	23.7	1.7	28.2	31.1	25.5
Chinese Taipei	577	61.3	13.4	15.8	9.6	0.0	61.3	62.9	59.8
Colombia	691	1.0	19.5	56.7	14.4	8.5	1.0	0.4	1.5
Cyprus	624	3.0	24.8	36.5	35.0	0.7	3.0	2.6	3.4
Czech Republic	688	8.8	30.8	39.6	19.9	0.8	8.8	9.4	8.3
Egypt	933	5.2	25.6	51.1	17.4	0.7	5.2	6.0	4.5
El Salvador	577	0.4	8.2	60.9	24.6	6.0	0.4	0.7	0.0
England	568	6.0	32.3	48.2	12.6	1.0	6.0	4.8	6.9
Georgia	600	13.9	14.7	37.5	31.7	2.2	13.9	14.1	13.7
Ghana	762	4.8	14.2	62.3	14.3	4.4	4.8	4.9	4.8
Hong Kong SAR	495	37.4	24.1	31.4	6.7	0.3	37.4	43.1	31.6
Hungary	582	9.4	36.7	28.2	25.4	0.3	9.4	8.7	10.1
Indonesia	600	5.0	8.5	71.0	13.8	1.7	5.0	5.5	4.6
Iran, Islamic Rep. of	569	2.8	24.3	36.1	34.2	2.6	2.8	4.1	1.7
Israel	474	7.5	22.0	34.5	32.9	3.1	7.5	8.1	6.8
Italy	635	5.3	20.1	32.9	40.9	1.0	5.3	5.2	5.3
Japan	624	36.4	18.7	33.5	11.4	0.0	36.4	36.9	35.9
Jordan	736	6.7	24.9	56.5	11.2	0.7	6.7	6.7	6.7
Korea, Rep. of	611	47.1	17.8	26.5	8.6	0.0	47.1	46.9	47.3
Kuwait	593	1.6	21.8	44.0	30.8	1.8	1.6	1.3	1.9
Lebanon	537	22.2	21.6	42.1	13.1	1.0	22.2	22.3	22.1
Lithuania	574	6.2	29.4	43.3	21.0	0.2	6.2	6.2	6.1
Malaysia	634	8.7	22.7	55.3	11.7	1.6	8.7	9.7	7.4
Malta	661	6.6	23.3	51.3	18.0	0.6	6.6	6.2	7.1
Morocco	437	7.6	13.1	46.7	30.9	1.8	7.6	9.7	5.1
Norway	665	1.5	24.7	52.9	19.7	1.2	1.5	1.8	1.3
Oman	693	3.9	19.4	57.9	17.2	1.5	3.9	5.3	2.6
Palestinian Nat'l Auth.	619	4.0	15.3	68.5	11.4	0.7	4.0	4.5	3.5
Qatar	1016	1.2	14.7	58.9	24.1	1.1	1.2	2.1	0.2
Romania	595	26.0	25.2	33.3	15.4	0.2	26.0	29.9	22.5
Russian Federation	645	31.1	21.1	30.0	16.5	1.3	31.1	33.0	29.1
Saudi Arabia	602	1.8	18.0	58.0	20.5	1.7	1.8	3.0	0.7
Scotland	577	3.1	45.6	34.6	16.0	0.7	3.1	2.3	4.0
Serbia	582	28.2	23.0	24.2	23.9	0.7	28.2	30.4	26.1
Singapore	660	41.4	21.7	31.2	5.1	0.6	41.4	44.2	38.8
Slovenia	592	6.1	36.9	44.1	12.3	0.6	6.1	7.0	5.2
Sweden	747	2.7	38.2	37.7	19.2	2.1	2.7	2.2	3.2
Syrian Arab Republic	652	7.8	14.7	56.2	21.0	0.4	7.8	8.8	6.6
Thailand	770	5.8	27.3	52.1	13.2	1.5	5.8	8.8	2.8
Tunisia	578	7.8	21.7	50.9	16.2	3.4	7.8	9.3	6.3
Turkey	642	10.9	23.8	40.6	24.0	0.7	10.9	11.2	10.6
Ukraine	636	12.3	18.5	38.5	29.7	1.0	12.3	11.8	12.9
United States	1045	8.2	37.5	46.9	6.6	0.8	8.2	7.7	8.7
International Avg.	643	12.8	22.6	43.7	19.3	1.6	12.8	13.5	12.1
Basque Country, Spain	323	11.2	17.9	52.8	17.5	0.6	11.2	10.9	11.4
British Columbia, Canada	606	2.8	37.6	43.2	15.3	1.1	2.8	2.3	3.3
Dubai, UAE	462	12.1	27.4	42.6	16.3	1.6	12.1	12.8	11.4
Massachusetts, US	260	14.3	29.6	44.5	9.0	2.6	14.3	15.5	13.1
Minnesota, US	258	9.3	40.7	46.2	3.3	0.6	9.3	12.4	5.8
Ontario, Canada	491	1.8	31.4	41.7	20.9	4.2	1.8	2.2	1.4
Quebec, Canada	561	9.8	30.3	39.4	17.3	3.1	9.8	8.0	11.5

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Geometry / Knowing (M042120 - M08_12)
 Label: Statement about Lines L and M
 Type: MC Key: A

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	771	65.8	65.8	13.5	5.3	1.5	7.5	6.4	69.9	61.5
Armenia	683	54.6	54.6	18.4	6.7	1.4	18.6	0.4	52.0	57.2
Australia	573	65.1	65.1	18.7	8.2	1.9	5.4	0.7	65.2	64.9
Bahrain	615	52.0	52.0	28.3	9.7	3.6	4.1	2.4	63.8	41.3
Bosnia and Herzegovina	604	62.5	62.5	20.4	6.3	1.0	9.5	0.3	61.9	63.2
Botswana	597	48.4	48.4	26.6	9.5	5.9	3.3	6.3	50.6	46.1
Bulgaria	574	60.6	60.6	19.8	8.2	2.2	7.5	1.7	69.9	51.5
Chinese Taipei	577	78.8	78.8	13.0	5.8	1.7	0.7	0.0	83.4	74.3
Colombia	691	45.5	45.5	29.7	7.2	4.2	4.6	8.8	47.7	43.3
Cyprus	624	62.3	62.3	21.1	10.0	2.4	3.5	0.7	70.4	54.1
Czech Republic	688	82.0	82.0	9.7	3.6	1.1	2.8	0.8	85.7	78.6
Egypt	931	59.7	59.7	19.6	12.0	5.1	3.0	0.7	69.2	50.5
El Salvador	577	41.0	41.0	26.8	14.0	6.4	5.8	6.0	44.5	37.1
England	568	76.8	76.8	14.3	3.9	0.6	3.4	1.0	80.6	73.6
Georgia	600	47.8	47.8	24.6	11.2	3.7	10.3	2.3	53.1	42.2
Ghana	762	41.4	41.4	26.3	10.9	6.2	10.7	4.4	42.9	40.1
Hong Kong SAR	495	72.9	72.9	16.3	5.5	2.5	2.6	0.3	80.1	65.6
Hungary	582	78.0	78.0	14.5	2.9	0.2	4.1	0.3	80.6	75.5
Indonesia	600	38.2	38.2	47.9	6.3	2.6	3.2	1.7	44.4	31.9
Iran, Islamic Rep. of	569	59.7	59.7	19.1	11.5	4.7	2.4	2.6	69.5	51.5
Israel	474	56.0	56.0	19.9	9.8	2.8	8.0	3.4	61.6	49.4
Italy	629	64.9	64.9	21.4	7.3	2.6	2.8	1.0	71.4	58.1
Japan	624	79.2	79.2	12.5	5.2	0.9	2.3	0.0	81.7	76.7
Jordan	736	56.0	56.0	27.8	9.0	3.8	2.6	0.7	61.2	51.3
Korea, Rep. of	611	86.1	86.1	7.4	5.8	0.1	0.6	0.0	88.9	83.5
Kuwait	593	43.1	43.1	35.1	10.5	3.6	5.9	1.8	49.1	36.2
Lebanon	525	69.6	69.6	14.9	8.5	1.5	3.8	1.6	67.4	72.1
Lithuania	573	55.6	55.6	33.7	6.1	1.2	3.2	0.2	61.1	50.4
Malaysia	634	58.6	58.6	25.8	7.3	3.9	2.8	1.6	59.9	57.2
Malta	661	68.7	68.7	17.9	7.6	2.2	2.9	0.6	74.2	63.0
Morocco	438	61.1	61.1	20.9	7.3	3.2	5.6	1.8	63.0	58.9
Norway	665	60.3	60.3	20.6	9.7	3.2	5.1	1.2	61.2	59.4
Oman	693	53.9	53.9	26.3	11.5	3.4	3.2	1.6	62.8	45.5
Palestinian Nat'l Auth.	618	46.3	46.3	32.2	12.8	5.5	2.4	0.7	55.6	37.0
Qatar	1016	27.2	27.2	38.8	21.9	6.4	4.7	1.1	31.4	22.8
Romania	595	73.5	73.5	14.5	4.9	2.4	4.5	0.2	77.7	69.8
Russian Federation	645	77.3	77.3	15.3	2.1	0.8	3.1	1.3	78.2	76.4
Saudi Arabia	601	53.6	53.6	32.0	6.1	2.6	4.0	1.7	56.7	50.7
Scotland	577	69.6	69.6	20.5	4.0	1.2	3.9	0.7	69.3	70.1
Serbia	580	66.7	66.7	18.8	4.2	0.7	8.8	0.7	69.9	63.6
Singapore	660	80.8	80.8	12.1	3.4	1.5	1.5	0.6	82.6	79.2
Slovenia	592	77.5	77.5	10.5	7.1	1.9	2.4	0.6	85.3	69.4
Sweden	747	48.2	48.2	26.4	6.1	3.1	13.6	2.6	50.1	46.6
Syrian Arab Republic	653	58.4	58.4	23.8	10.2	4.4	2.9	0.4	62.7	53.5
Thailand	770	50.5	50.5	33.5	9.4	3.7	1.4	1.5	56.0	45.1
Tunisia	578	74.0	74.0	10.3	5.0	1.6	5.7	3.4	74.4	73.6
Turkey	642	43.7	43.7	35.3	11.1	5.7	3.5	0.7	47.0	40.7
Ukraine	636	68.5	68.5	24.2	1.9	2.7	1.6	1.2	70.6	66.0
United States	1045	74.6	74.6	13.9	7.3	1.6	1.7	0.8	78.1	71.2
International Avg.	643	61.2	61.2	21.9	7.8	2.8	4.6	1.7	65.2	57.2
Basque Country, Spain	323	65.7	65.7	18.3	7.1	1.3	7.0	0.6	64.7	66.7
British Columbia, Canada	606	64.4	64.4	22.1	6.0	1.8	4.6	1.1	63.8	65.1
Dubai, UAE	461	63.7	63.7	23.5	6.0	2.0	3.2	1.6	68.2	59.4
Massachusetts, US	260	81.8	81.8	9.8	2.3	0.3	3.2	2.6	82.5	81.1
Minnesota, US	258	79.3	79.3	14.5	3.5	0.7	1.4	0.6	81.6	76.7
Ontario, Canada	491	72.0	72.0	18.2	2.9	0.6	2.0	4.2	71.6	72.3
Quebec, Canada	561	76.0	76.0	11.4	5.3	1.0	3.2	3.1	80.0	72.5

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Geometry / Applying (M042203 - M08_13)

Label: What is the value of x

Type: MC Key: C

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	771	37.0	22.4	19.2	37.0	10.0	4.9	6.4	35.8	38.3
Armenia	681	52.8	11.2	15.8	52.8	10.4	9.3	0.5	52.7	52.8
Australia	573	50.1	14.4	23.5	50.1	8.2	3.0	0.7	48.4	51.6
Bahrain	614	33.3	35.7	19.7	33.3	7.4	1.4	2.5	29.0	37.2
Bosnia and Herzegovina	604	42.5	14.8	25.5	42.5	12.2	4.8	0.3	41.3	43.5
Botswana	597	22.4	15.6	32.9	22.4	18.1	3.5	7.5	24.4	20.4
Bulgaria	574	52.0	18.1	14.3	52.0	10.1	3.3	2.1	56.8	47.3
Chinese Taipei	577	83.4	4.8	6.5	83.4	4.9	0.4	0.0	85.7	81.1
Colombia	691	16.8	23.7	36.4	16.8	10.8	2.7	9.6	12.6	20.9
Cyprus	624	53.7	12.9	20.3	53.7	9.6	2.7	0.9	57.2	50.1
Czech Republic	687	56.7	12.0	18.3	56.7	10.4	1.5	1.1	54.8	58.4
Egypt	933	41.8	32.9	15.9	41.8	7.8	0.9	0.7	39.2	44.2
El Salvador	577	11.5	39.2	26.5	11.5	11.3	5.1	6.5	10.8	12.3
England	568	70.2	4.7	16.3	70.2	7.0	0.7	1.0	69.0	71.2
Georgia	600	38.3	30.1	16.7	38.3	9.6	2.9	2.4	41.3	35.1
Ghana	762	20.4	31.7	24.6	20.4	14.4	3.1	5.8	18.4	22.2
Hong Kong SAR	495	82.3	5.6	5.3	82.3	6.3	0.2	0.3	83.7	80.8
Hungary	582	60.5	10.5	17.3	60.5	9.9	1.4	0.3	62.1	59.0
Indonesia	600	30.0	26.5	27.3	30.0	13.0	0.9	2.3	28.6	31.5
Iran, Islamic Rep. of	568	42.6	22.7	20.1	42.6	10.6	1.3	2.6	44.3	41.3
Israel	474	46.6	19.7	18.9	46.6	7.5	3.8	3.4	47.5	45.6
Italy	633	51.7	11.3	26.4	51.7	8.5	1.0	1.1	52.6	50.8
Japan	624	89.6	2.0	3.8	89.6	4.4	0.2	0.1	89.8	89.4
Jordan	736	43.1	27.6	17.6	43.1	9.8	1.3	0.7	43.0	43.1
Korea, Rep. of	611	92.1	1.7	2.7	92.1	3.3	0.2	0.0	92.4	91.8
Kuwait	592	33.2	34.2	14.2	33.2	14.3	2.2	1.8	35.6	30.4
Lebanon	535	64.2	17.8	9.6	64.2	6.2	0.5	1.7	64.3	64.1
Lithuania	574	56.8	16.6	17.0	56.8	8.1	1.4	0.2	62.1	51.8
Malaysia	634	49.1	8.8	29.9	49.1	8.6	1.8	1.8	49.0	49.2
Malta	661	59.9	17.5	14.9	59.9	6.0	1.1	0.6	58.7	61.0
Morocco	438	38.4	30.2	17.2	38.4	8.8	3.1	2.3	37.9	38.9
Norway	665	44.0	13.7	27.5	44.0	10.9	2.8	1.2	48.7	39.4
Oman	693	27.8	32.5	24.0	27.8	11.4	2.5	1.8	29.7	25.9
Palestinian Nat'l Auth.	619	37.0	35.8	18.8	37.0	6.8	0.7	0.9	37.5	36.5
Qatar	1016	22.2	31.5	26.9	22.2	16.3	1.9	1.2	20.9	23.7
Romania	595	54.0	13.3	22.4	54.0	8.7	1.3	0.2	53.4	54.6
Russian Federation	645	63.0	12.1	13.6	63.0	6.7	3.0	1.6	68.8	56.4
Saudi Arabia	602	18.9	49.9	18.5	18.9	9.2	1.7	1.8	13.4	23.9
Scotland	577	60.3	8.6	20.3	60.3	7.6	2.4	0.7	57.8	63.0
Serbia	579	58.0	12.4	16.3	58.0	9.6	2.4	1.3	59.6	56.6
Singapore	660	86.1	4.5	5.0	86.1	3.6	0.2	0.6	84.7	87.4
Slovenia	592	52.8	13.4	22.2	52.8	10.0	1.0	0.6	52.0	53.5
Sweden	747	45.8	9.5	26.5	45.8	12.5	2.8	2.9	49.2	42.8
Syrian Arab Republic	653	43.1	30.3	18.2	43.1	6.5	1.2	0.7	40.5	46.1
Thailand	770	43.9	12.8	30.8	43.9	10.4	0.5	1.5	47.4	40.4
Tunisia	578	45.9	18.6	22.5	45.9	7.4	2.2	3.4	40.5	51.3
Turkey	642	46.4	24.0	18.5	46.4	9.6	0.8	0.7	44.7	47.9
Ukraine	636	50.0	17.2	22.1	50.0	8.1	1.3	1.2	47.3	53.0
United States	1045	49.5	10.0	28.9	49.5	9.0	1.7	0.9	43.9	54.7
International Avg.	643	48.4	18.9	19.5	48.4	9.2	2.1	1.8	48.3	48.4
Basque Country, Spain	323	53.4	6.5	23.7	53.4	11.0	4.4	1.1	50.2	56.5
British Columbia, Canada	606	44.6	10.6	26.3	44.6	13.3	3.7	1.6	41.1	47.9
Dubai, UAE	462	44.1	31.0	10.1	44.1	9.4	3.8	1.6	47.7	40.7
Massachusetts, US	260	69.6	6.1	10.6	69.6	9.6	1.0	3.2	71.3	67.9
Minnesota, US	258	59.5	11.9	17.5	59.5	8.6	1.2	1.3	61.6	57.1
Ontario, Canada	491	55.1	11.5	21.3	55.1	7.1	0.9	4.2	55.3	55.0
Quebec, Canada	561	72.3	7.0	12.1	72.3	5.0	0.5	3.1	73.6	71.2

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent.

Mathematics: Geometry / Reasoning (M042264 - M08_14)
 Label: Conditions for similar triangles
 Type: CR Key: -

COUNTRY	N	10	79	NOT REACH		V1	1.GIRL %Right	2.BOY %Right
				OMIT TED	ED			
Algeria	771	2.1	66.9	24.1	6.9	2.1	2.7	1.5
Armenia	684	17.8	60.4	21.3	0.5	17.8	17.0	18.6
Australia	573	17.6	64.6	17.1	0.7	17.6	13.3	21.6
Bahrain	614	22.0	58.6	16.8	2.6	22.0	28.9	15.6
Bosnia and Herzegovina	604	15.9	53.2	30.5	0.3	15.9	16.7	15.2
Botswana	597	5.7	77.5	8.0	8.8	5.7	6.6	4.8
Bulgaria	574	32.0	38.9	26.3	2.7	32.0	37.9	26.3
Chinese Taipei	577	32.3	59.1	8.7	0.0	32.3	31.4	33.1
Colombia	691	5.3	65.9	18.7	10.1	5.3	3.8	6.7
Cyprus	624	16.8	50.0	31.7	1.5	16.8	23.1	10.4
Czech Republic	687	37.4	45.6	15.9	1.1	37.4	43.6	32.0
Egypt	933	12.7	76.1	10.4	0.8	12.7	14.9	10.7
El Salvador	577	1.1	58.8	33.1	7.1	1.1	0.6	1.7
England	568	29.9	59.8	9.3	1.0	29.9	28.6	31.1
Georgia	600	11.3	44.9	41.3	2.4	11.3	12.5	10.0
Ghana	762	2.5	65.4	26.1	5.9	2.5	1.4	3.5
Hong Kong SAR	495	32.1	59.8	7.8	0.3	32.1	35.6	28.6
Hungary	582	26.2	50.4	23.1	0.3	26.2	29.2	23.3
Indonesia	600	7.1	73.8	16.8	2.3	7.1	7.3	6.8
Iran, Islamic Rep. of	568	9.4	71.6	15.7	3.2	9.4	7.0	11.4
Israel	474	16.6	54.5	25.2	3.7	16.6	15.7	17.6
Italy	634	16.0	56.1	26.8	1.1	16.0	16.1	16.0
Japan	624	27.1	65.1	7.6	0.1	27.1	31.8	22.4
Jordan	736	11.8	77.9	9.3	0.9	11.8	9.5	14.0
Korea, Rep. of	611	49.1	47.9	3.0	0.0	49.1	48.8	49.4
Kuwait	592	1.2	77.2	19.7	2.0	1.2	1.5	0.8
Lebanon	537	33.3	50.2	14.6	2.0	33.3	30.3	36.8
Lithuania	574	13.8	67.4	18.7	0.2	13.8	15.5	12.2
Malaysia	634	12.2	72.4	13.2	2.2	12.2	13.8	10.3
Malta	662	27.9	57.8	13.5	0.8	27.9	29.6	26.2
Morocco	440	3.2	54.1	39.8	2.9	3.2	4.0	2.3
Norway	665	11.2	56.6	30.7	1.5	11.2	10.7	11.7
Oman	693	11.2	69.6	17.1	2.1	11.2	12.9	9.6
Palestinian Nat'l Auth.	619	14.1	73.2	11.7	0.9	14.1	14.2	14.0
Qatar	1016	5.0	69.7	24.0	1.3	5.0	4.0	6.1
Romania	595	22.5	63.8	13.5	0.2	22.5	22.1	22.9
Russian Federation	645	42.0	40.6	15.5	2.0	42.0	43.6	40.2
Saudi Arabia	602	6.9	77.8	13.4	1.8	6.9	7.4	6.5
Scotland	577	18.4	66.8	13.9	0.9	18.4	19.0	17.6
Serbia	582	15.7	56.1	26.8	1.4	15.7	15.9	15.5
Singapore	660	42.1	53.1	4.2	0.6	42.1	45.9	38.7
Slovenia	592	34.4	49.1	15.9	0.6	34.4	34.3	34.5
Sweden	747	10.6	62.2	24.1	3.1	10.6	10.7	10.5
Syrian Arab Republic	653	28.9	51.9	18.5	0.8	28.9	30.4	27.1
Thailand	770	18.0	71.3	9.2	1.5	18.0	20.9	15.1
Tunisia	578	9.9	76.7	9.6	3.9	9.9	13.1	6.7
Turkey	642	25.1	55.2	18.8	0.9	25.1	27.9	22.5
Ukraine	636	17.7	68.8	12.1	1.5	17.7	19.2	15.9
United States	1045	14.8	79.1	4.9	1.1	14.8	13.9	15.8
International Avg.	643	18.3	61.7	17.9	2.1	18.3	19.3	17.4
Basque Country, Spain	323	8.9	60.5	29.5	1.1	8.9	7.1	10.6
British Columbia, Canada	606	20.0	64.7	13.3	2.0	20.0	21.0	19.0
Dubai, UAE	462	20.2	64.8	13.5	1.6	20.2	21.8	18.6
Massachusetts, US	260	19.5	72.2	5.2	3.2	19.5	19.4	19.5
Minnesota, US	258	16.1	79.3	2.6	2.0	16.1	18.9	12.8
Ontario, Canada	491	20.7	65.8	9.3	4.2	20.7	15.2	26.4
Quebec, Canada	561	31.3	52.8	12.6	3.2	31.3	33.0	29.8

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Data and Chance / Applying (M042255 - M08_15)
 Label: Representing data on a pie chart
 Type: MC Key: B

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	770	38.8	15.7	38.8	19.6	11.3	6.1	8.5	37.9	39.7
Armenia	680	42.0	13.8	42.0	13.6	6.1	23.3	1.3	42.1	41.8
Australia	573	70.5	12.4	70.5	7.4	6.2	2.3	1.2	66.9	73.9
Bahrain	614	52.4	11.6	52.4	18.1	11.5	2.5	3.9	57.7	47.6
Bosnia and Herzegovina	604	59.6	11.3	59.6	14.0	6.3	7.3	1.4	58.9	60.3
Botswana	598	41.0	14.8	41.0	24.4	7.4	1.8	10.6	44.0	37.8
Bulgaria	574	52.0	14.8	52.0	16.0	8.0	5.5	3.7	57.3	46.8
Chinese Taipei	577	76.4	12.6	76.4	6.0	4.7	0.3	0.0	78.6	74.2
Colombia	691	37.0	13.4	37.0	28.7	6.6	1.9	12.4	33.9	40.1
Cyprus	624	59.0	15.0	59.0	12.7	8.8	2.5	2.2	61.1	56.8
Czech Republic	688	73.2	10.5	73.2	6.2	6.2	2.0	1.9	75.8	70.8
Egypt	927	35.8	19.3	35.8	24.9	16.1	2.2	1.8	35.9	35.6
El Salvador	577	35.6	17.5	35.6	23.5	10.9	3.2	9.3	34.6	36.7
England	568	70.0	9.1	70.0	7.9	9.4	2.1	1.5	71.1	69.0
Georgia	600	41.2	14.9	41.2	21.0	8.4	9.1	5.4	44.4	37.8
Ghana	762	31.8	16.4	31.8	27.5	11.8	4.9	7.6	31.2	32.4
Hong Kong SAR	495	75.0	10.1	75.0	5.5	8.0	0.9	0.5	78.6	71.4
Hungary	582	71.6	10.0	71.6	7.1	9.3	1.0	0.8	73.7	69.6
Indonesia	600	51.0	11.8	51.0	23.8	8.1	1.7	3.6	55.4	46.5
Iran, Islamic Rep. of	568	37.9	13.3	37.9	26.0	15.0	3.7	4.1	39.8	36.4
Israel	474	60.0	13.8	60.0	10.0	7.6	3.7	4.9	60.6	59.3
Italy	634	63.2	13.2	63.2	14.2	6.6	1.1	1.7	63.4	63.0
Japan	624	81.3	8.8	81.3	4.2	4.3	1.2	0.2	79.4	83.2
Jordan	736	49.6	15.4	49.6	18.4	12.3	2.3	2.0	52.4	47.0
Korea, Rep. of	611	82.9	9.2	82.9	3.8	3.9	0.3	0.0	84.0	81.8
Kuwait	592	46.0	13.7	46.0	16.4	15.3	5.2	3.4	44.3	47.9
Lebanon	531	55.6	11.1	55.6	11.4	11.4	7.3	3.2	53.8	57.7
Lithuania	573	64.7	15.7	64.7	10.7	6.9	1.2	0.8	68.4	61.2
Malaysia	634	66.1	9.6	66.1	16.3	4.4	1.1	2.6	67.4	64.6
Malta	661	65.5	10.7	65.5	11.2	9.3	1.6	1.7	67.3	63.7
Morocco	437	37.3	11.0	37.3	28.0	12.8	3.6	7.3	37.4	37.1
Norway	665	68.2	12.9	68.2	6.4	7.4	2.6	2.5	69.3	67.2
Oman	693	39.5	13.9	39.5	27.1	13.6	2.4	3.5	38.3	40.7
Palestinian Nat'l Auth.	619	41.3	13.3	41.3	26.0	14.3	2.9	2.2	40.7	42.0
Qatar	1016	33.8	17.8	33.8	19.1	22.3	4.7	2.4	36.6	30.8
Romania	594	48.9	15.6	48.9	22.8	8.9	3.3	0.6	51.7	46.4
Russian Federation	645	66.6	9.3	66.6	12.4	4.7	3.6	3.4	65.9	67.5
Saudi Arabia	598	35.5	13.2	35.5	31.3	15.9	1.9	2.2	31.8	38.8
Scotland	577	62.7	11.7	62.7	9.2	12.9	1.9	1.5	63.9	61.4
Serbia	580	63.5	10.4	63.5	13.3	6.2	4.0	2.5	60.7	66.2
Singapore	660	82.5	6.4	82.5	5.8	3.4	0.8	0.9	86.4	79.1
Slovenia	592	71.3	12.2	71.3	7.2	7.4	0.8	1.1	72.2	70.4
Sweden	747	66.7	9.4	66.7	6.3	10.2	3.1	4.3	67.7	65.7
Syrian Arab Republic	653	46.0	15.3	46.0	22.1	13.2	2.1	1.2	45.9	46.2
Thailand	770	59.9	13.5	59.9	17.7	6.0	1.3	1.6	60.2	59.6
Tunisia	578	50.6	12.2	50.6	18.0	9.4	3.5	6.3	44.1	57.1
Turkey	642	57.0	12.8	57.0	19.5	8.6	0.6	1.5	54.8	59.0
Ukraine	636	60.1	14.5	60.1	17.5	5.1	0.7	2.1	61.9	58.2
United States	1045	69.5	11.2	69.5	7.9	7.9	2.3	1.2	71.0	68.0
International Avg.	643	56.1	12.8	56.1	15.7	9.2	3.2	3.1	56.7	55.4
Basque Country, Spain	323	62.5	13.3	62.5	8.1	8.2	3.9	3.8	66.6	58.7
British Columbia, Canada	606	71.3	10.5	71.3	6.5	7.6	1.5	2.6	69.9	72.5
Dubai, UAE	462	60.9	10.2	60.9	12.1	9.6	4.8	2.4	61.2	60.6
Massachusetts, US	260	67.8	10.9	67.8	6.7	9.0	1.3	4.3	70.7	65.0
Minnesota, US	258	73.1	8.9	73.1	5.9	8.9	0.8	2.5	72.2	74.2
Ontario, Canada	491	70.2	13.0	70.2	4.9	6.0	0.8	5.1	69.2	71.3
Quebec, Canada	561	68.7	11.6	68.7	6.2	7.0	2.1	4.4	70.1	67.4

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Data and Chance / Knowing (M042224 - M08_16)
 Label: Estimate the temperature
 Type: CR Key: -

COUNTRY	N	10	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	770	8.9	62.4	19.1	9.5	8.9	7.6	10.3
Armenia	684	52.9	29.0	15.7	2.3	52.9	51.8	54.1
Australia	573	61.3	32.6	4.2	1.8	61.3	56.8	65.6
Bahrain	614	27.5	60.6	7.7	4.3	27.5	27.8	27.1
Bosnia and Herzegovina	604	43.5	38.4	16.0	2.0	43.5	38.2	48.5
Botswana	598	22.8	62.4	2.7	12.0	22.8	22.2	23.5
Bulgaria	574	46.4	31.9	17.6	4.1	46.4	43.6	49.2
Chinese Taipei	577	79.5	17.5	3.0	0.0	79.5	83.2	75.9
Colombia	691	21.3	57.3	8.4	13.0	21.3	16.6	25.8
Cyprus	624	46.1	38.3	13.5	2.2	46.1	46.9	45.2
Czech Republic	688	67.6	27.2	3.0	2.2	67.6	65.6	69.4
Egypt	933	24.5	63.3	9.6	2.6	24.5	22.2	26.7
El Salvador	577	14.4	64.2	11.9	9.5	14.4	10.1	19.2
England	568	71.6	25.3	1.4	1.7	71.6	67.3	75.4
Georgia	598	27.4	38.9	26.4	7.3	27.4	25.7	29.2
Ghana	762	10.3	61.1	19.8	8.8	10.3	9.0	11.4
Hong Kong SAR	495	80.1	17.9	1.4	0.5	80.1	81.4	78.8
Hungary	582	73.0	23.2	3.0	0.8	73.0	72.1	73.8
Indonesia	600	25.0	64.5	6.6	4.0	25.0	22.4	27.5
Iran, Islamic Rep. of	568	22.2	59.4	13.9	4.6	22.2	19.2	24.6
Israel	474	51.5	31.3	11.8	5.3	51.5	54.3	48.4
Italy	635	53.9	35.2	8.8	2.2	53.9	50.4	57.5
Japan	624	78.3	18.9	2.6	0.2	78.3	78.9	77.7
Jordan	736	30.2	59.4	7.5	2.8	30.2	33.0	27.7
Korea, Rep. of	611	79.3	19.6	1.1	0.0	79.3	83.7	75.2
Kuwait	592	29.7	56.9	9.4	4.0	29.7	32.5	26.5
Lebanon	537	45.7	37.2	11.4	5.8	45.7	41.9	49.9
Lithuania	574	65.0	31.5	2.7	0.8	65.0	65.4	64.6
Malaysia	634	48.8	44.7	4.0	2.6	48.8	50.4	46.9
Malta	662	60.5	33.7	3.6	2.2	60.5	62.4	58.5
Morocco	439	28.3	39.9	23.7	8.0	28.3	25.3	31.8
Norway	665	62.4	31.3	3.2	3.1	62.4	63.4	61.4
Oman	693	20.5	68.1	7.5	3.9	20.5	21.8	19.3
Palestinian Nat'l Auth.	620	16.1	74.1	7.4	2.4	16.1	16.0	16.1
Qatar	1016	9.1	70.8	17.4	2.8	9.1	9.9	8.2
Romania	594	40.3	49.8	8.6	1.3	40.3	33.7	46.3
Russian Federation	645	63.9	27.4	4.6	4.1	63.9	63.2	64.7
Saudi Arabia	602	9.7	78.7	8.5	3.0	9.7	8.8	10.6
Scotland	577	62.3	34.4	1.5	1.7	62.3	61.1	63.7
Serbia	581	48.3	39.0	9.6	3.1	48.3	44.3	52.0
Singapore	660	83.5	14.3	0.9	1.3	83.5	83.8	83.3
Slovenia	592	68.6	29.6	0.5	1.3	68.6	65.7	71.5
Sweden	747	70.4	23.0	1.7	4.8	70.4	70.1	70.6
Syrian Arab Republic	653	23.6	53.7	21.2	1.5	23.6	18.2	29.8
Thailand	770	29.1	64.5	4.3	2.1	29.1	31.2	27.1
Tunisia	578	26.6	53.7	11.7	8.0	26.6	22.8	30.4
Turkey	642	29.5	63.0	6.0	1.5	29.5	24.7	33.8
Ukraine	636	53.8	39.2	4.9	2.1	53.8	51.6	56.2
United States	1045	60.0	35.3	3.2	1.5	60.0	55.4	64.3
International Avg.	643	44.4	43.5	8.5	3.6	44.4	43.1	45.6
Basque Country, Spain	323	60.9	28.9	5.8	4.4	60.9	61.7	60.2
British Columbia, Canada	606	64.9	29.9	1.9	3.3	64.9	63.6	66.2
Dubai, UAE	462	47.9	42.5	6.5	3.1	47.9	52.2	43.7
Massachusetts, US	260	70.6	22.9	2.2	4.3	70.6	66.2	75.0
Minnesota, US	258	70.4	25.4	1.7	2.5	70.4	71.0	69.8
Ontario, Canada	491	56.9	35.7	2.2	5.2	56.9	54.3	59.5
Quebec, Canada	561	64.3	25.1	4.6	5.9	64.3	66.0	62.8

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Number / Knowing (M032094 - M09_01)
 Label: 4/100 plus 3/1000
 Type: MC Key: A

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	769	57.9	57.9	14.7	9.5	11.5	5.8	0.5	61.5	54.4
Armenia	686	72.2	72.2	9.1	4.0	4.7	9.8	0.3	73.9	70.5
Australia	578	61.2	61.2	17.2	8.3	11.7	1.6	0.0	62.0	60.3
Bahrain	617	41.0	41.0	31.7	11.9	13.2	2.3	0.0	51.3	31.0
Bosnia and Herzegovina	610	66.0	66.0	10.6	8.2	7.3	7.9	0.0	69.2	63.1
Botswana	596	41.3	41.3	23.8	10.3	19.4	5.2	0.0	46.9	35.7
Bulgaria	579	57.0	57.0	15.2	6.7	13.9	6.7	0.4	62.2	52.3
Chinese Taipei	579	81.0	81.0	7.7	4.6	6.1	0.6	0.0	84.9	76.9
Colombia	692	26.4	26.4	39.6	11.3	14.3	8.0	0.4	27.6	25.2
Cyprus	629	54.3	54.3	19.2	9.8	14.6	1.9	0.2	58.1	50.3
Czech Republic	690	66.7	66.7	15.9	6.4	8.4	2.7	0.0	70.0	63.8
Egypt	930	42.5	42.5	24.2	16.9	13.9	2.4	0.0	47.2	37.9
El Salvador	579	25.0	25.0	44.9	11.5	8.7	9.4	0.5	28.0	21.8
England	568	50.3	50.3	29.2	9.3	10.3	0.9	0.0	51.6	49.0
Georgia	592	52.3	52.3	21.7	6.2	9.8	9.5	0.5	56.4	48.1
Ghana	761	25.9	25.9	37.3	11.0	21.3	4.3	0.1	28.1	23.9
Hong Kong SAR	499	78.5	78.5	6.0	7.5	6.4	1.2	0.3	79.7	77.4
Hungary	591	70.6	70.6	10.2	6.0	10.8	2.4	0.0	70.2	71.1
Indonesia	600	53.7	53.7	22.1	6.5	14.8	2.4	0.5	57.0	50.3
Iran, Islamic Rep. of	576	49.2	49.2	21.0	11.5	14.0	4.2	0.0	56.0	43.6
Israel	463	60.3	60.3	16.3	8.3	8.7	4.8	1.6	61.2	59.3
Italy	636	58.2	58.2	18.0	10.8	9.1	3.8	0.1	62.9	53.9
Japan	611	73.8	73.8	7.1	7.4	9.2	2.5	0.0	73.7	73.9
Jordan	747	59.1	59.1	17.8	12.4	7.7	3.0	0.2	64.5	53.9
Korea, Rep. of	607	90.7	90.7	3.0	2.5	3.5	0.3	0.0	91.7	89.8
Kuwait	574	34.2	34.2	28.9	12.3	20.3	3.5	0.8	34.7	33.5
Lebanon	542	83.3	83.3	4.7	5.4	5.6	1.0	0.0	83.5	83.0
Lithuania	567	68.0	68.0	13.1	5.5	11.0	2.3	0.0	71.7	64.3
Malaysia	632	76.1	76.1	8.6	4.2	9.8	1.0	0.3	83.1	68.7
Malta	663	69.1	69.1	14.3	5.5	9.4	1.7	0.0	72.4	65.7
Morocco	430	46.8	46.8	25.9	11.8	10.4	5.0	0.1	51.1	41.1
Norway	675	47.9	47.9	24.0	12.2	11.9	3.6	0.5	51.1	44.5
Oman	688	50.5	50.5	24.7	11.9	9.0	3.8	0.2	60.8	40.4
Palestinian Nat'l Auth.	632	49.1	49.1	25.7	13.1	10.7	1.3	0.0	56.8	41.7
Qatar	1013	35.8	35.8	31.7	14.8	15.1	2.6	0.0	38.2	33.3
Romania	600	64.7	64.7	15.6	7.5	10.9	1.2	0.1	69.3	60.4
Russian Federation	649	76.8	76.8	9.6	3.7	6.6	3.3	0.0	78.8	74.8
Saudi Arabia	600	21.6	21.6	46.3	16.0	13.7	2.5	0.0	28.6	15.1
Scotland	559	47.8	47.8	29.8	9.0	10.1	2.9	0.4	46.0	49.7
Serbia	584	65.1	65.1	10.8	8.7	9.3	5.8	0.3	68.2	62.0
Singapore	657	90.2	90.2	2.7	2.7	3.8	0.6	0.0	91.6	89.1
Slovenia	588	60.3	60.3	21.7	7.2	10.3	0.6	0.0	64.6	56.0
Sweden	755	66.3	66.3	11.9	10.5	8.0	3.1	0.2	68.7	64.1
Syrian Arab Republic	667	46.6	46.6	27.3	11.1	11.8	2.8	0.5	47.7	45.4
Thailand	774	54.8	54.8	20.3	9.0	14.7	1.1	0.1	59.1	50.3
Tunisia	588	58.4	58.4	16.9	9.1	11.5	3.6	0.5	59.4	57.4
Turkey	639	53.2	53.2	20.5	9.6	15.7	0.8	0.2	52.2	54.1
Ukraine	640	60.0	60.0	21.2	5.8	10.4	2.6	0.0	66.7	52.3
United States	1033	60.2	60.2	18.5	12.1	7.9	1.2	0.0	60.7	59.8
International Avg.	644	57.2	57.2	19.6	8.9	10.8	3.3	0.2	60.4	54.0
Basque Country, Spain	323	75.0	75.0	12.7	3.6	6.4	2.3	0.0	79.2	71.6
British Columbia, Canada	603	65.9	65.9	10.4	8.2	13.7	1.8	0.0	66.2	65.6
Dubai, UAE	458	63.4	63.4	17.8	6.5	9.0	3.0	0.3	62.1	64.6
Massachusetts, US	270	74.2	74.2	10.9	7.5	6.6	0.9	0.0	70.4	77.4
Minnesota, US	252	70.0	70.0	13.8	7.3	8.4	0.5	0.0	72.4	67.3
Ontario, Canada	499	64.8	64.8	12.9	8.1	12.8	1.4	0.0	66.3	63.2
Quebec, Canada	570	62.8	62.8	12.6	8.4	13.9	2.3	0.0	63.2	62.4

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Number / Reasoning (M032662 - M09_02)
 Label: Location of N on number line
 Type: MC Key: D

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	770	12.5	32.4	23.8	22.8	12.5	7.8	0.6	13.8	11.2
Armenia	687	23.3	20.2	17.9	20.6	23.3	17.6	0.3	24.5	22.3
Australia	578	21.4	43.9	20.8	10.3	21.4	3.6	0.0	14.3	28.4
Bahrain	617	21.7	28.7	21.4	23.8	21.7	4.4	0.0	26.5	17.1
Bosnia and Herzegovina	610	12.4	34.4	21.1	14.6	12.4	17.4	0.1	12.0	12.8
Botswana	.	.	.	.	.	.	.	.	.	.
Bulgaria	579	20.2	35.8	23.2	14.0	20.2	6.4	0.4	21.1	19.3
Chinese Taipei	579	49.4	31.1	10.7	7.8	49.4	1.0	0.0	46.4	52.6
Colombia	692	13.7	30.0	34.2	18.5	13.7	3.1	0.5	11.9	15.7
Cyprus	629	14.8	39.0	27.8	14.4	14.8	3.8	0.2	10.3	19.4
Czech Republic	690	23.2	34.6	23.8	14.5	23.2	4.0	0.0	22.2	23.9
Egypt	929	17.9	20.7	26.3	32.4	17.9	2.5	0.1	16.7	19.1
El Salvador	579	8.8	31.6	31.7	22.9	8.8	4.6	0.5	8.9	8.6
England	568	26.7	43.2	18.7	8.2	26.7	3.2	0.0	21.1	32.6
Georgia	592	17.6	30.1	21.8	20.2	17.6	9.6	0.7	16.9	18.4
Ghana	761	13.9	31.5	32.1	18.8	13.9	3.5	0.1	12.6	15.1
Hong Kong SAR	499	45.4	29.2	14.1	8.8	45.4	2.0	0.5	44.1	46.5
Hungary	591	26.7	32.8	24.5	10.5	26.7	5.4	0.0	28.0	25.3
Indonesia	600	10.5	47.0	29.7	11.4	10.5	0.9	0.5	10.4	10.7
Iran, Islamic Rep. of	576	15.9	34.0	25.1	20.6	15.9	4.1	0.3	13.2	18.2
Israel	463	20.5	31.3	24.9	13.4	20.5	8.2	1.6	15.5	26.3
Italy	634	10.7	42.1	25.6	14.8	10.7	6.7	0.1	12.6	8.9
Japan	611	43.8	27.6	13.2	12.5	43.8	3.0	0.0	36.0	50.8
Jordan	747	26.9	35.2	20.5	15.7	26.9	1.6	0.2	28.7	25.1
Korea, Rep. of	607	44.4	32.4	13.6	9.4	44.4	0.3	0.0	41.1	47.3
Kuwait	574	16.0	24.3	24.8	29.1	16.0	4.9	1.0	19.7	11.3
Lebanon	538	20.5	36.8	24.5	13.8	20.5	4.5	0.0	16.8	24.5
Lithuania	567	17.4	42.8	13.6	23.6	17.4	2.7	0.0	16.8	17.9
Malaysia	632	19.6	50.4	20.2	7.6	19.6	1.9	0.3	16.7	22.6
Malta	663	18.4	38.3	25.0	13.6	18.4	4.6	0.0	15.7	21.1
Morocco	430	23.5	27.3	20.1	22.9	23.5	5.8	0.4	23.9	23.2
Norway	675	11.6	36.0	25.1	19.3	11.6	7.3	0.6	12.5	10.7
Oman	688	25.4	24.3	26.5	20.6	25.4	2.7	0.4	23.7	27.1
Palestinian Nat'l Auth.	632	25.7	29.5	25.5	17.6	25.7	1.8	0.0	26.5	24.9
Qatar	1013	17.1	24.5	27.7	26.8	17.1	3.8	0.0	19.2	15.0
Romania	600	13.9	32.2	21.3	28.4	13.9	4.0	0.1	15.1	12.9
Russian Federation	649	29.2	31.3	24.4	12.2	29.2	2.9	0.0	27.4	31.0
Saudi Arabia	600	16.2	20.3	25.0	34.6	16.2	3.9	0.0	17.8	14.8
Scotland	559	16.0	39.9	28.8	10.5	16.0	4.4	0.4	13.0	19.2
Serbia	582	13.2	37.3	22.3	14.5	13.2	12.4	0.3	11.4	15.0
Singapore	657	39.7	33.5	18.3	8.2	39.7	0.2	0.1	39.7	39.7
Slovenia	588	19.7	43.1	23.2	10.3	19.7	3.5	0.1	20.6	18.9
Sweden	755	32.9	32.0	18.6	8.7	32.9	7.4	0.4	29.9	35.6
Syrian Arab Republic	667	25.1	19.3	26.7	24.3	25.1	4.1	0.5	26.1	24.0
Thailand	774	14.6	38.7	29.1	14.9	14.6	2.6	0.1	14.9	14.3
Tunisia	588	17.6	34.2	23.1	20.7	17.6	4.0	0.5	16.6	18.5
Turkey	639	15.4	33.5	34.8	12.5	15.4	3.7	0.2	12.9	17.4
Ukraine	640	20.3	38.0	22.1	18.4	20.3	1.3	0.0	21.6	18.9
United States	1033	26.0	42.0	24.8	6.7	26.0	0.5	0.0	20.9	31.0
International Avg.	644	21.6	33.5	23.4	16.7	21.6	4.6	0.3	20.6	22.6
Basque Country, Spain	323	26.6	34.1	21.0	10.0	26.6	8.3	0.0	20.4	31.6
British Columbia, Canada	603	25.1	38.8	25.4	8.0	25.1	2.6	0.0	21.1	29.4
Dubai, UAE	457	15.2	35.8	28.3	16.1	15.2	4.1	0.6	13.8	16.6
Massachusetts, US	270	40.9	33.2	21.1	3.3	40.9	1.5	0.0	37.1	44.1
Minnesota, US	252	36.0	36.0	20.7	7.0	36.0	0.3	0.0	33.2	39.0
Ontario, Canada	499	27.1	37.9	24.6	8.0	27.1	2.3	0.0	22.2	32.0
Quebec, Canada	570	27.1	41.4	21.1	5.0	27.1	5.5	0.0	23.9	30.3

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Number / Applying (M032064 - M09_03)
 Label: Ann and Jenny divide 560 zeds
 Type: CR Key: -

COUNTRY	N	10	70	71	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	750	18.3	43.9	1.8	24.5	10.7	0.7	18.3	17.1	19.5
Armenia	688	45.6	12.9	3.3	22.9	15.1	0.3	45.6	44.0	47.0
Australia	578	32.1	10.7	10.1	37.5	9.7	0.0	32.1	30.7	33.6
Bahrain	618	4.0	7.8	7.0	64.2	17.1	0.0	4.0	3.9	4.0
Bosnia and Herzegovina	610	13.7	5.7	6.7	40.3	33.5	0.1	13.7	13.3	14.0
Botswana	596	6.7	11.1	4.6	70.8	6.5	0.4	6.7	7.7	5.6
Bulgaria	579	27.0	18.1	5.8	22.5	26.2	0.4	27.0	26.5	27.5
Chinese Taipei	579	56.2	20.2	1.8	14.9	6.9	0.0	56.2	56.7	55.7
Colombia	692	4.0	2.3	3.7	68.3	20.8	0.8	4.0	1.6	6.7
Cyprus	629	28.6	11.8	12.7	26.4	20.2	0.3	28.6	31.0	26.1
Czech Republic	690	36.9	14.3	6.1	27.9	14.9	0.0	36.9	34.2	39.2
Egypt	931	16.4	16.5	1.8	53.8	11.3	0.1	16.4	19.1	13.9
El Salvador	579	1.4	1.8	1.6	61.7	33.0	0.5	1.4	1.5	1.3
England	568	34.8	10.4	10.5	37.0	7.2	0.0	34.8	34.2	35.5
Georgia	592	14.6	12.8	0.7	32.2	39.1	0.7	14.6	13.5	15.7
Ghana	761	5.3	6.3	2.1	66.1	20.0	0.4	5.3	5.0	5.5
Hong Kong SAR	499	58.4	19.2	3.4	13.0	5.4	0.5	58.4	56.1	60.6
Hungary	591	40.3	15.9	7.2	22.9	13.7	0.0	40.3	38.7	42.0
Indonesia	598	9.3	25.0	0.2	54.7	10.4	0.5	9.3	12.5	5.9
Iran, Islamic Rep. of	577	12.8	8.0	4.6	55.3	19.0	0.3	12.8	12.3	13.1
Israel	463	24.8	10.1	15.3	25.8	22.4	1.6	24.8	22.6	27.3
Italy	636	29.0	40.5	3.6	16.8	10.0	0.1	29.0	27.6	30.2
Japan	611	46.4	25.1	1.2	22.1	5.1	0.0	46.4	41.4	50.9
Jordan	747	18.1	11.2	3.3	58.9	8.3	0.2	18.1	21.7	14.7
Korea, Rep. of	607	63.3	17.6	0.9	15.1	3.0	0.0	63.3	67.5	59.6
Kuwait	575	0.6	2.9	0.5	68.6	26.1	1.3	0.6	0.3	0.9
Lebanon	542	10.6	12.5	7.5	44.5	25.0	0.0	10.6	8.8	12.4
Lithuania	567	31.6	13.2	4.0	31.5	19.7	0.0	31.6	31.2	31.9
Malaysia	632	43.2	22.9	0.8	27.8	4.9	0.3	43.2	47.6	38.5
Malta	662	38.0	21.4	6.6	26.4	7.6	0.0	38.0	33.5	42.8
Morocco	432	3.9	2.7	0.6	53.3	39.1	0.4	3.9	3.1	5.2
Norway	675	32.2	13.2	13.1	30.5	10.1	0.8	32.2	33.4	31.0
Oman	688	5.8	11.0	1.6	73.2	8.1	0.4	5.8	7.1	4.4
Palestinian Nat'l Auth.	632	7.7	10.4	2.8	71.6	7.3	0.1	7.7	7.4	8.0
Qatar	1013	2.5	5.0	2.5	68.9	21.1	0.0	2.5	3.1	2.0
Romania	600	21.9	18.5	0.6	35.1	23.7	0.1	21.9	23.8	20.2
Russian Federation	649	36.9	18.6	3.9	23.5	17.2	0.0	36.9	33.1	40.9
Saudi Arabia	600	1.5	1.2	3.5	74.8	19.1	0.0	1.5	1.7	1.2
Scotland	559	33.6	19.9	2.5	32.1	11.5	0.4	33.6	34.5	32.7
Serbia	586	28.6	10.1	5.4	28.9	26.5	0.5	28.6	27.7	29.5
Singapore	657	78.0	11.1	0.9	8.1	1.9	0.1	78.0	76.4	79.3
Slovenia	588	25.9	12.1	11.5	41.8	8.6	0.1	25.9	22.0	29.6
Sweden	755	42.9	17.4	6.9	23.5	9.0	0.4	42.9	47.8	38.6
Syrian Arab Republic	667	8.5	5.4	5.0	55.3	25.2	0.7	8.5	6.3	10.9
Thailand	774	17.2	18.3	2.7	49.2	12.4	0.1	17.2	18.6	15.8
Tunisia	588	11.2	9.2	11.2	50.9	16.7	0.7	11.2	8.3	14.1
Turkey	639	24.8	17.2	2.6	44.6	10.7	0.2	24.8	24.1	25.3
Ukraine	640	24.4	13.5	3.2	44.1	14.8	0.0	24.4	25.4	23.4
United States	1033	24.5	16.2	8.8	45.5	5.0	0.0	24.5	22.6	26.3
International Avg.	643	24.6	13.9	4.7	41.0	15.5	0.3	24.6	24.3	24.9
Basque Country, Spain	323	41.6	20.3	5.8	20.7	11.2	0.5	41.6	39.9	43.1
British Columbia, Canada	603	30.8	13.2	7.6	40.2	8.2	0.0	30.8	28.8	32.9
Dubai, UAE	458	23.0	14.2	5.8	41.1	15.2	0.6	23.0	21.4	24.6
Massachusetts, US	270	36.5	17.5	6.2	35.5	4.3	0.0	36.5	35.7	37.1
Minnesota, US	252	31.3	19.6	16.2	31.1	1.8	0.0	31.3	28.4	34.5
Ontario, Canada	499	29.7	13.9	12.4	37.3	6.9	0.0	29.7	29.2	30.1
Quebec, Canada	570	39.0	27.0	5.4	22.4	6.1	0.0	39.0	41.7	36.3

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Algebra / Knowing (M032419 - M09_04)
 Label: Which represents 2x plus 3x
 Type: MC Key: C

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	771	32.6	10.5	32.9	32.6	15.9	7.4	0.7	32.8	32.4
Armenia	687	49.5	5.2	22.9	49.5	6.2	16.0	0.3	46.3	52.5
Australia	578	43.3	14.3	27.2	43.3	12.6	2.6	0.0	38.1	48.4
Bahrain	618	34.1	19.3	28.0	34.1	14.5	3.9	0.2	36.6	31.6
Bosnia and Herzegovina	610	34.8	13.7	31.8	34.8	10.1	9.6	0.1	37.0	32.8
Botswana	596	24.5	25.4	25.7	24.5	21.0	3.0	0.5	25.7	23.2
Bulgaria	579	45.7	13.2	27.7	45.7	7.4	5.5	0.4	45.7	45.8
Chinese Taipei	579	79.1	4.8	10.7	79.1	3.8	1.6	0.0	82.5	75.6
Colombia	692	37.7	14.4	27.8	37.7	18.3	0.7	1.1	37.0	38.5
Cyprus	629	49.1	11.9	29.0	49.1	7.9	1.8	0.3	51.1	47.0
Czech Republic	690	42.5	17.7	24.7	42.5	12.0	3.0	0.0	42.2	42.8
Egypt	928	24.3	24.6	33.7	24.3	14.6	2.7	0.1	23.1	25.5
El Salvador	579	26.3	14.1	40.0	26.3	15.1	3.9	0.5	26.7	25.9
England	568	50.8	15.8	19.2	50.8	11.1	3.1	0.0	54.4	47.0
Georgia	592	43.4	12.1	30.0	43.4	8.8	5.0	0.7	48.3	38.2
Ghana	761	25.6	30.0	19.9	25.6	21.7	2.3	0.6	22.9	28.0
Hong Kong SAR	499	72.1	5.2	14.9	72.1	5.1	2.1	0.5	76.0	68.6
Hungary	591	55.4	12.6	25.8	55.4	4.4	1.7	0.0	57.5	53.3
Indonesia	600	31.5	14.6	34.3	31.5	17.1	2.1	0.5	33.5	29.3
Iran, Islamic Rep. of	577	31.5	15.9	30.8	31.5	19.0	2.5	0.3	27.9	34.5
Israel	463	45.9	14.8	20.4	45.9	12.8	4.5	1.6	45.8	46.0
Italy	634	22.9	23.9	37.0	22.9	11.2	4.9	0.1	21.2	24.4
Japan	611	69.7	4.5	15.8	69.7	8.0	2.0	0.0	70.1	69.4
Jordan	747	41.7	16.4	26.4	41.7	14.2	1.2	0.2	42.1	41.3
Korea, Rep. of	607	74.1	4.0	12.3	74.1	6.2	3.3	0.0	74.4	73.9
Kuwait	575	24.8	25.7	24.7	24.8	19.1	4.2	1.6	26.7	22.4
Lebanon	537	37.5	13.7	30.6	37.5	13.6	4.6	0.0	34.1	41.1
Lithuania	566	43.9	15.5	26.6	43.9	10.8	3.2	0.0	45.3	42.6
Malaysia	632	46.8	13.2	21.4	46.8	16.3	1.9	0.3	43.4	50.4
Malta	663	43.8	15.2	24.8	43.8	12.8	3.4	0.0	43.4	44.2
Morocco	418	30.8	14.8	40.0	30.8	10.6	3.4	0.4	32.1	29.2
Norway	675	33.9	18.7	32.2	33.9	10.1	4.4	0.8	34.5	33.2
Oman	688	25.7	30.8	24.5	25.7	15.7	2.9	0.4	28.2	23.2
Palestinian Nat'l Auth.	632	32.5	16.8	32.0	32.5	15.9	2.5	0.1	32.3	32.8
Qatar	1013	26.8	25.0	26.0	26.8	19.6	2.6	0.0	30.5	23.0
Romania	600	34.7	19.3	34.8	34.7	9.2	1.8	0.1	36.9	32.7
Russian Federation	649	52.8	9.1	25.6	52.8	7.9	4.6	0.0	51.5	54.2
Saudi Arabia	599	24.8	23.9	32.0	24.8	16.5	2.7	0.2	27.8	21.9
Scotland	559	43.5	14.0	24.8	43.5	13.2	4.1	0.4	45.4	41.6
Serbia	581	40.6	14.1	28.3	40.6	10.4	6.2	0.5	41.0	40.3
Singapore	657	65.7	9.9	15.2	65.7	8.2	0.8	0.1	65.2	66.2
Slovenia	588	43.2	12.9	28.0	43.2	11.9	3.8	0.1	44.8	41.7
Sweden	755	39.9	16.0	27.5	39.9	11.9	4.4	0.4	42.9	37.2
Syrian Arab Republic	667	32.5	21.3	31.1	32.5	10.6	3.9	0.7	32.4	32.6
Thailand	774	33.0	17.5	33.7	33.0	13.5	1.9	0.3	37.9	27.9
Tunisia	588	28.9	15.3	30.9	28.9	18.5	5.8	0.7	28.3	29.4
Turkey	639	37.4	16.2	29.7	37.4	13.4	3.1	0.2	39.7	35.4
Ukraine	640	44.1	9.3	35.8	44.1	9.6	1.2	0.0	47.5	40.2
United States	1033	52.3	13.2	23.8	52.3	9.7	1.0	0.0	49.6	54.8
International Avg.	643	41.0	15.5	27.2	41.0	12.4	3.6	0.3	41.6	40.3
Basque Country, Spain	323	41.2	15.3	27.4	41.2	12.4	3.2	0.5	40.4	41.9
British Columbia, Canada	603	43.9	15.1	27.0	43.9	11.3	2.6	0.0	41.1	46.8
Dubai, UAE	458	44.8	16.4	24.1	44.8	10.8	3.4	0.6	47.2	42.3
Massachusetts, US	270	67.3	11.5	12.6	67.3	7.4	1.2	0.0	69.5	65.4
Minnesota, US	252	55.4	13.2	19.8	55.4	11.1	0.6	0.0	55.0	55.8
Ontario, Canada	499	50.8	11.8	24.3	50.8	9.4	3.7	0.0	47.4	54.3
Quebec, Canada	570	52.9	11.6	23.1	52.9	10.5	1.8	0.0	52.4	53.4

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Algebra / Knowing (M032477 - M09_05)
 Label: Cost in zeds for taxi trip of n km
 Type: MC Key: A

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	770	37.0	37.0	29.4	8.3	18.1	6.1	1.1	40.5	33.6
Armenia	686	49.5	49.5	18.2	8.5	5.3	18.2	0.3	48.5	50.5
Australia	578	44.8	44.8	28.6	16.9	8.1	1.6	0.0	42.5	47.0
Bahrain	618	34.1	34.1	27.3	18.8	15.4	4.1	0.2	41.0	27.4
Bosnia and Herzegovina	610	47.5	47.5	25.7	11.0	7.6	8.1	0.1	47.1	47.9
Botswana	596	21.8	21.8	32.8	24.3	16.3	4.3	0.5	23.9	19.7
Bulgaria	579	55.9	55.9	21.6	10.8	4.4	6.8	0.4	61.6	50.6
Chinese Taipei	579	72.1	72.1	16.7	9.1	1.9	0.2	0.0	72.0	72.1
Colombia	692	24.2	24.2	30.9	24.8	17.0	2.0	1.1	23.1	25.3
Cyprus	629	53.0	53.0	22.0	16.2	7.1	1.3	0.5	58.3	47.4
Czech Republic	690	53.4	53.4	24.9	11.8	7.5	2.4	0.0	50.8	55.6
Egypt	929	34.5	34.5	28.8	23.7	11.1	1.8	0.1	38.1	30.9
El Salvador	579	26.0	26.0	38.4	18.0	14.4	2.7	0.5	27.4	24.6
England	568	48.9	48.9	26.7	14.7	6.7	3.0	0.0	48.3	49.4
Georgia	592	34.8	34.8	25.8	20.0	7.7	10.8	0.9	33.7	36.0
Ghana	761	27.0	27.0	26.8	27.1	15.2	3.1	0.7	28.6	25.5
Hong Kong SAR	499	68.1	68.1	17.4	8.1	4.4	1.5	0.5	69.4	66.8
Hungary	591	52.3	52.3	26.3	11.9	8.8	0.6	0.0	49.8	55.0
Indonesia	600	19.9	19.9	33.0	29.4	15.6	1.7	0.5	21.3	18.5
Iran, Islamic Rep. of	577	25.9	25.9	29.1	26.7	14.6	3.5	0.3	30.7	21.9
Israel	463	36.4	36.4	27.1	22.4	6.7	5.8	1.6	37.9	34.6
Italy	635	45.4	45.4	27.5	15.9	5.8	5.3	0.1	44.4	46.3
Japan	611	57.1	57.1	23.4	13.3	4.3	1.8	0.0	54.0	59.9
Jordan	747	49.8	49.8	23.7	15.6	9.2	1.5	0.2	54.3	45.5
Korea, Rep. of	607	70.3	70.3	14.9	11.7	2.8	0.3	0.0	73.1	67.9
Kuwait	575	20.8	20.8	27.9	30.4	13.9	5.4	1.6	24.7	16.1
Lebanon	539	27.6	27.6	32.3	20.2	12.7	7.3	0.0	28.1	27.0
Lithuania	566	58.9	58.9	21.0	13.8	5.4	0.7	0.1	56.5	61.2
Malaysia	632	34.9	34.9	28.8	22.4	11.6	1.8	0.4	38.7	30.7
Malta	663	42.8	42.8	27.1	16.8	10.9	2.4	0.0	43.4	42.1
Morocco	429	27.0	27.0	28.2	25.1	12.3	7.1	0.4	28.3	25.2
Norway	675	42.8	42.8	26.3	13.4	12.1	4.7	0.8	38.6	47.2
Oman	690	31.6	31.6	24.6	23.4	16.7	3.2	0.4	38.1	25.2
Palestinian Nat'l Auth.	631	30.7	30.7	31.0	25.8	10.3	2.2	0.1	35.5	26.0
Qatar	1013	21.3	21.3	29.4	29.0	18.8	1.4	0.1	22.5	20.1
Romania	600	48.3	48.3	28.7	10.8	10.2	1.9	0.1	51.0	45.8
Russian Federation	649	62.2	62.2	20.4	11.2	4.5	1.8	0.0	60.6	63.9
Saudi Arabia	600	27.1	27.1	27.1	24.6	18.2	2.8	0.2	32.9	21.8
Scotland	559	42.3	42.3	31.5	11.1	12.4	2.4	0.4	41.0	43.5
Serbia	584	50.5	50.5	27.5	12.3	3.8	5.5	0.5	47.7	53.3
Singapore	657	71.0	71.0	15.9	9.5	2.7	0.7	0.1	74.2	68.3
Slovenia	588	50.4	50.4	27.7	12.0	7.2	2.4	0.3	47.8	52.9
Sweden	755	45.8	45.8	29.0	12.3	9.1	3.5	0.4	46.1	45.5
Syrian Arab Republic	667	33.8	33.8	31.2	19.7	11.0	3.5	0.8	33.0	34.8
Thailand	774	29.4	29.4	29.7	27.6	11.8	1.2	0.3	28.6	30.3
Tunisia	588	51.4	51.4	18.4	17.5	9.6	2.2	0.8	50.9	51.8
Turkey	639	37.7	37.7	23.4	22.8	12.8	3.0	0.2	38.8	36.9
Ukraine	640	57.3	57.3	23.5	12.3	5.6	1.3	0.0	56.5	58.2
United States	1033	58.2	58.2	22.7	12.8	5.3	1.0	0.0	58.3	58.1
International Avg.	644	42.7	42.7	26.1	17.5	9.9	3.4	0.4	43.7	41.8
Basque Country, Spain	323	42.3	42.3	29.8	19.8	6.3	1.3	0.5	35.6	47.7
British Columbia, Canada	603	52.7	52.7	27.7	13.8	4.8	0.9	0.0	50.5	55.0
Dubai, UAE	458	42.7	42.7	22.1	18.3	11.3	5.0	0.6	47.4	38.1
Massachusetts, US	270	75.1	75.1	13.8	9.5	0.9	0.7	0.0	70.2	79.3
Minnesota, US	252	72.8	72.8	15.1	7.0	4.5	0.5	0.0	68.4	77.8
Ontario, Canada	499	56.2	56.2	22.6	12.3	6.2	2.3	0.3	49.1	63.3
Quebec, Canada	570	59.5	59.5	19.2	13.5	6.3	1.5	0.0	61.1	57.9

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Algebra / Knowing (M032538 - M09_06)

Label: Find the value of y when t is 9

Type: CR Key: -

COUNTRY	N	10	70	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	751	11.4	5.7	47.5	34.2	1.3	11.4	10.8	11.9
Armenia	687	78.4	2.4	11.3	7.6	0.3	78.4	83.9	73.0
Australia	578	33.3	10.6	36.4	19.6	0.0	33.3	34.7	31.8
Bahrain	618	19.5	14.8	47.6	17.6	0.5	19.5	26.5	12.7
Bosnia and Herzegovina	610	56.8	4.0	17.2	21.9	0.2	56.8	58.4	55.3
Botswana	596	13.5	20.8	58.4	6.9	0.5	13.5	17.2	9.7
Bulgaria	579	50.8	3.4	18.0	27.1	0.7	50.8	61.3	41.3
Chinese Taipei	579	78.3	2.1	9.9	9.7	0.0	78.3	81.9	74.6
Colombia	692	8.1	10.7	45.2	34.9	1.1	8.1	4.7	11.9
Cyprus	629	37.4	10.3	20.9	30.9	0.5	37.4	40.2	34.4
Czech Republic	690	44.5	3.6	24.1	27.5	0.3	44.5	50.2	39.8
Egypt	931	24.9	11.4	48.3	15.2	0.1	24.9	29.1	20.9
El Salvador	579	3.4	5.1	43.4	47.6	0.5	3.4	4.6	2.3
England	568	46.1	13.8	30.7	9.4	0.0	46.1	46.7	45.5
Georgia	592	31.7	2.8	21.2	42.9	1.3	31.7	32.1	31.4
Ghana	761	13.1	15.8	51.2	19.0	0.8	13.1	10.9	15.2
Hong Kong SAR	499	71.8	3.6	18.0	6.1	0.5	71.8	74.7	69.1
Hungary	591	55.7	8.1	19.7	16.6	0.0	55.7	57.0	54.3
Indonesia	600	23.9	24.3	39.7	11.5	0.6	23.9	26.0	21.7
Iran, Islamic Rep. of	577	16.3	5.9	38.9	38.6	0.3	16.3	18.3	14.7
Israel	463	44.5	3.5	24.5	25.7	1.8	44.5	45.7	43.2
Italy	636	38.4	6.4	20.1	34.7	0.4	38.4	42.6	34.4
Japan	611	66.9	4.9	18.9	9.3	0.0	66.9	64.5	69.0
Jordan	747	32.0	5.9	51.2	10.3	0.5	32.0	38.0	26.3
Korea, Rep. of	607	75.2	4.9	16.1	3.8	0.0	75.2	71.9	78.1
Kuwait	575	10.8	9.4	48.7	29.5	1.6	10.8	14.2	6.6
Lebanon	542	44.4	5.8	36.3	13.1	0.3	44.4	41.1	48.1
Lithuania	567	48.0	7.7	24.6	19.5	0.1	48.0	52.1	44.0
Malaysia	632	38.2	4.4	41.1	15.9	0.4	38.2	41.7	34.5
Malta	663	45.5	5.9	34.3	14.2	0.0	45.5	42.9	48.3
Morocco	433	8.9	1.6	31.1	56.8	1.6	8.9	10.0	7.4
Norway	675	17.5	12.0	40.4	29.2	0.9	17.5	19.2	15.7
Oman	689	20.3	9.9	59.8	9.3	0.6	20.3	25.7	15.1
Palestinian Nat'l Auth.	631	18.3	12.4	59.1	10.0	0.1	18.3	21.6	15.1
Qatar	1013	5.2	8.6	63.0	23.1	0.1	5.2	6.8	3.6
Romania	600	53.5	5.6	22.2	18.7	0.1	53.5	55.7	51.3
Russian Federation	649	68.5	6.2	13.5	11.7	0.2	68.5	67.9	69.2
Saudi Arabia	600	5.5	10.1	64.8	19.2	0.3	5.5	5.2	5.9
Scotland	559	28.7	14.1	31.3	25.5	0.4	28.7	30.6	26.7
Serbia	584	64.1	4.2	12.0	19.3	0.5	64.1	70.4	57.9
Singapore	657	75.6	3.3	18.2	2.8	0.1	75.6	79.3	72.5
Slovenia	588	44.8	7.6	31.3	16.0	0.3	44.8	47.6	42.0
Sweden	755	30.3	14.3	31.0	23.8	0.6	30.3	36.0	25.4
Syrian Arab Republic	667	27.8	11.3	34.6	25.1	1.1	27.8	26.5	29.3
Thailand	774	26.8	15.4	42.1	15.5	0.3	26.8	33.4	20.0
Tunisia	588	32.2	8.3	43.6	15.2	0.8	32.2	29.6	34.7
Turkey	639	34.1	9.3	35.2	21.3	0.2	34.1	31.8	35.8
Ukraine	640	58.0	4.2	22.0	15.9	0.0	58.0	64.3	50.7
United States	1033	53.7	14.6	25.8	5.8	0.1	53.7	54.3	53.2
International Avg.	643	37.5	8.4	33.6	20.1	0.5	37.5	39.6	35.4
Basque Country, Spain	323	44.9	5.9	24.5	24.0	0.7	44.9	42.8	46.6
British Columbia, Canada	603	38.5	13.3	32.3	15.9	0.0	38.5	40.9	35.9
Dubai, UAE	458	43.2	9.5	33.5	13.0	0.8	43.2	42.2	44.1
Massachusetts, US	270	66.5	9.1	21.1	3.4	0.0	66.5	63.5	69.0
Minnesota, US	252	65.4	11.2	21.0	2.3	0.0	65.4	69.1	61.4
Ontario, Canada	499	44.2	17.0	27.3	11.3	0.3	44.2	42.4	45.9
Quebec, Canada	570	48.0	8.0	27.0	16.9	0.2	48.0	55.2	40.7

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Geometry / Reasoning (M032324 - M09_07)
 Label: Distance from midpoints of AB and BC
 Type: MC Key: D

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	768	34.8	9.9	16.1	26.8	34.8	10.9	1.6	35.3	34.2
Armenia	683	45.4	7.6	11.0	14.1	45.4	21.7	0.3	41.2	49.5
Australia	578	35.0	10.4	27.2	23.2	35.0	4.1	0.1	35.3	34.7
Bahrain	618	23.3	13.9	23.8	33.6	23.3	4.7	0.7	19.5	26.9
Bosnia and Herzegovina	609	36.1	9.6	21.5	20.1	36.1	12.5	0.2	36.4	35.8
Botswana	596	19.5	17.2	23.7	32.7	19.5	6.4	0.5	17.0	22.1
Bulgaria	579	47.7	10.0	13.3	21.0	47.7	7.2	0.8	56.3	39.8
Chinese Taipei	579	62.2	15.3	11.5	10.6	62.2	0.3	0.0	65.6	58.6
Colombia	692	19.4	17.1	24.4	33.5	19.4	4.2	1.5	19.4	19.4
Cyprus	629	34.5	10.9	24.8	24.9	34.5	4.5	0.5	35.5	33.5
Czech Republic	690	57.3	5.6	17.1	16.1	57.3	3.7	0.3	57.7	56.9
Egypt	930	31.3	19.8	22.1	24.5	31.3	2.2	0.1	31.5	31.2
El Salvador	579	21.6	16.7	20.2	35.7	21.6	5.1	0.7	23.7	19.4
England	568	45.8	10.0	21.6	18.0	45.8	4.6	0.0	43.1	48.6
Georgia	592	38.7	10.5	14.6	23.7	38.7	11.2	1.3	38.8	38.6
Ghana	761	18.7	18.0	23.5	33.9	18.7	5.0	0.9	18.7	18.7
Hong Kong SAR	499	47.7	24.9	13.4	11.9	47.7	1.5	0.5	49.4	46.2
Hungary	591	50.6	9.0	19.4	17.2	50.6	3.9	0.0	53.7	47.2
Indonesia	600	23.7	18.8	20.3	32.4	23.7	4.1	0.6	21.7	25.9
Iran, Islamic Rep. of	577	30.9	14.2	20.6	28.9	30.9	5.2	0.3	31.3	30.5
Israel	463	31.0	13.9	18.9	24.2	31.0	10.2	1.8	33.4	28.2
Italy	630	32.4	11.2	23.3	23.6	32.4	8.7	0.7	31.0	33.8
Japan	611	62.3	6.4	14.4	13.6	62.3	3.2	0.0	62.9	61.7
Jordan	747	38.3	10.4	19.9	26.4	38.3	4.4	0.5	39.6	37.1
Korea, Rep. of	607	73.1	7.2	9.3	10.0	73.1	0.4	0.0	76.5	70.0
Kuwait	575	17.9	15.4	26.0	34.8	17.9	4.3	1.6	16.6	19.6
Lebanon	515	50.0	6.3	16.7	23.3	50.0	3.3	0.3	48.1	52.1
Lithuania	564	44.9	11.3	20.7	16.5	44.9	6.3	0.1	43.8	46.1
Malaysia	632	40.6	22.9	13.6	20.4	40.6	1.6	0.9	41.5	39.5
Malta	658	39.8	12.7	15.3	28.9	39.8	3.3	0.0	39.2	40.4
Morocco	426	31.0	11.8	20.4	30.1	31.0	4.8	1.9	27.6	35.8
Norway	675	36.2	8.3	22.1	24.6	36.2	7.8	0.9	33.4	39.2
Oman	690	23.1	18.8	21.9	33.3	23.1	2.3	0.6	22.6	23.5
Palestinian Nat'l Auth.	631	30.4	18.0	18.9	30.3	30.4	2.3	0.1	33.2	27.7
Qatar	1013	16.6	20.1	27.5	34.1	16.6	1.6	0.1	15.8	17.4
Romania	600	49.8	10.1	16.5	19.9	49.8	3.6	0.1	48.5	51.1
Russian Federation	649	57.0	11.7	13.3	11.7	57.0	6.2	0.2	55.3	58.7
Saudi Arabia	600	24.1	15.1	24.5	32.8	24.1	3.1	0.4	25.2	23.0
Scotland	559	36.7	11.3	25.3	21.1	36.7	5.2	0.4	34.7	38.7
Serbia	576	43.8	12.3	16.7	17.2	43.8	9.5	0.5	45.8	41.9
Singapore	657	55.8	18.6	12.7	11.9	55.8	0.9	0.1	59.7	52.4
Slovenia	588	36.9	11.9	23.3	23.8	36.9	3.7	0.3	34.7	39.2
Sweden	755	42.9	9.2	23.3	18.4	42.9	5.7	0.6	46.7	39.5
Syrian Arab Republic	667	23.9	12.3	25.0	33.8	23.9	3.7	1.1	23.3	24.6
Thailand	774	29.6	19.4	19.5	28.9	29.6	2.2	0.3	32.9	26.2
Tunisia	588	34.8	13.2	16.9	26.1	34.8	7.9	1.0	33.1	36.4
Turkey	639	29.8	22.1	14.4	28.0	29.8	5.4	0.2	27.6	31.6
Ukraine	640	46.2	11.8	19.9	18.7	46.2	3.5	0.0	45.5	47.0
United States	1033	31.5	13.2	20.3	32.7	31.5	2.2	0.1	29.1	33.8
International Avg.	642	37.4	13.4	19.4	24.1	37.4	5.1	0.5	37.5	37.4
Basque Country, Spain	323	37.3	11.8	21.1	22.1	37.3	6.8	0.9	38.4	36.4
British Columbia, Canada	603	34.5	12.6	26.8	22.9	34.5	3.1	0.0	30.8	38.5
Dubai, UAE	457	35.7	11.0	19.1	27.9	35.7	5.5	0.8	39.6	31.9
Massachusetts, US	270	40.0	13.8	23.5	20.4	40.0	2.4	0.0	33.8	45.2
Minnesota, US	252	34.2	10.4	27.6	27.8	34.2	0.0	0.0	31.5	37.2
Ontario, Canada	499	33.4	10.2	27.4	25.1	33.4	3.3	0.5	30.8	36.0
Quebec, Canada	570	55.6	8.5	14.5	13.1	55.6	8.1	0.2	56.9	54.2

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Geometry / Applying (M032116 - M09_08)
 Label: Area of a square is 144 square cm
 Type: MC Key: B

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	769	34.4	13.3	34.4	31.4	13.0	6.1	1.7	33.1	35.6
Armenia	687	50.9	21.7	50.9	13.3	4.3	8.7	1.1	51.0	50.8
Australia	578	39.4	27.5	39.4	24.1	7.9	0.9	0.1	39.1	39.8
Bahrain	618	32.7	24.1	32.7	27.8	12.4	2.0	1.0	30.4	34.9
Bosnia and Herzegovina	610	46.4	23.5	46.4	17.0	7.6	5.1	0.3	48.8	44.3
Botswana	596	30.9	16.6	30.9	31.9	15.8	4.3	0.5	26.8	35.0
Bulgaria	579	48.4	12.9	48.4	28.2	4.9	4.8	0.8	49.2	47.7
Chinese Taipei	579	68.6	19.6	68.6	8.7	2.6	0.5	0.0	74.9	62.1
Colombia	692	27.7	20.0	27.7	39.8	8.4	2.6	1.5	28.6	26.8
Cyprus	629	51.4	22.4	51.4	17.7	6.7	1.3	0.5	53.4	49.3
Czech Republic	690	43.0	27.1	43.0	18.3	6.1	5.3	0.3	44.9	41.5
Egypt	931	44.2	31.6	44.2	14.8	8.4	0.9	0.1	45.0	43.5
El Salvador	579	26.3	20.0	26.3	39.1	10.9	2.9	0.9	26.9	25.7
England	568	56.0	20.4	56.0	17.9	3.8	1.6	0.2	55.0	57.1
Georgia	592	39.2	17.9	39.2	27.5	8.4	5.5	1.6	39.6	38.7
Ghana	761	18.7	22.3	18.7	47.2	9.4	1.3	1.0	18.6	18.9
Hong Kong SAR	499	62.1	25.7	62.1	7.1	3.6	1.0	0.5	63.5	60.7
Hungary	591	46.5	17.0	46.5	26.4	7.3	2.7	0.0	47.5	45.5
Indonesia	600	28.0	35.9	28.0	22.0	12.7	0.5	0.9	25.2	30.9
Iran, Islamic Rep. of	577	32.3	16.5	32.3	31.5	17.2	2.2	0.3	25.8	37.7
Israel	463	44.6	13.9	44.6	27.0	8.0	4.6	2.0	45.0	44.2
Italy	635	62.2	16.7	62.2	11.3	7.0	2.3	0.7	63.0	61.4
Japan	611	40.1	31.7	40.1	21.2	5.9	1.0	0.2	37.8	42.1
Jordan	747	39.4	17.4	39.4	31.6	10.3	0.7	0.7	38.5	40.1
Korea, Rep. of	607	67.8	14.2	67.8	15.7	2.1	0.2	0.0	71.1	64.9
Kuwait	574	35.9	16.0	35.9	30.4	11.8	4.3	1.6	35.5	36.4
Lebanon	542	38.1	20.8	38.1	30.7	6.9	3.0	0.5	34.3	42.3
Lithuania	567	45.3	17.9	45.3	25.5	10.3	0.8	0.1	45.5	45.1
Malaysia	632	40.6	27.0	40.6	20.5	9.8	1.2	0.9	40.6	40.6
Malta	664	44.8	19.8	44.8	25.9	7.6	2.0	0.0	42.7	46.9
Morocco	431	31.7	14.5	31.7	39.1	8.7	4.1	1.9	30.0	34.4
Norway	675	40.6	8.7	40.6	37.9	8.3	3.5	0.9	42.5	38.7
Oman	690	26.0	17.8	26.0	35.8	17.5	2.2	0.6	23.5	28.5
Palestinian Nat'l Auth.	632	32.4	35.6	32.4	22.1	8.2	1.6	0.1	28.7	35.9
Qatar	1013	28.7	16.1	28.7	36.4	17.9	0.8	0.1	31.7	25.6
Romania	600	53.7	18.4	53.7	19.1	8.2	0.5	0.1	53.4	53.9
Russian Federation	649	53.7	20.6	53.7	17.2	6.0	2.3	0.2	50.7	56.9
Saudi Arabia	600	32.3	10.4	32.3	40.3	15.6	1.0	0.4	35.4	29.5
Scotland	559	43.5	26.7	43.5	22.3	4.7	2.4	0.4	44.3	42.6
Serbia	585	59.0	21.7	59.0	13.3	3.3	2.2	0.5	59.7	58.4
Singapore	657	76.9	13.9	76.9	6.3	2.2	0.7	0.1	79.8	74.3
Slovenia	588	49.6	21.7	49.6	21.7	5.7	1.0	0.3	49.0	50.2
Sweden	755	45.6	16.0	45.6	27.5	6.3	3.9	0.8	44.9	46.2
Syrian Arab Republic	667	39.0	19.0	39.0	31.6	8.2	1.0	1.1	34.3	44.2
Thailand	774	36.9	28.5	36.9	19.1	14.2	1.0	0.3	39.1	34.7
Tunisia	588	35.7	11.3	35.7	38.2	10.4	3.3	1.2	35.1	36.3
Turkey	639	38.0	20.2	38.0	23.5	15.7	2.4	0.2	43.9	33.3
Ukraine	640	44.0	20.4	44.0	24.6	8.8	2.3	0.0	42.9	45.2
United States	1033	44.5	29.1	44.5	18.4	6.7	0.8	0.4	42.3	46.7
International Avg.	644	42.8	20.5	42.8	25.0	8.7	2.4	0.6	42.7	43.0
Basque Country, Spain	323	31.6	32.1	31.6	22.3	9.4	3.7	0.9	32.7	30.8
British Columbia, Canada	603	47.8	24.1	47.8	21.4	4.8	1.9	0.0	46.7	48.9
Dubai, UAE	458	35.6	25.1	35.6	23.7	11.2	3.5	1.0	37.2	34.0
Massachusetts, US	270	55.4	25.2	55.4	13.6	3.7	2.1	0.0	55.4	55.4
Minnesota, US	252	49.6	32.2	49.6	14.8	3.4	0.0	0.0	48.8	50.5
Ontario, Canada	499	47.0	28.0	47.0	18.9	3.5	2.0	0.5	46.7	47.4
Quebec, Canada	570	54.6	28.0	54.6	12.8	2.2	2.1	0.2	51.0	58.3

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Geometry / Applying (M032100 - M09_09)
 Label: Shape made up of same size cubes
 Type: MC Key: D

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	770	14.7	59.6	13.9	8.1	14.7	1.6	2.1	11.5	17.7
Armenia	685	39.4	25.9	17.6	5.3	39.4	10.7	1.1	39.8	39.1
Australia	578	70.9	7.6	14.1	6.1	70.9	1.3	0.1	68.2	73.5
Bahrain	618	22.0	41.2	21.7	11.8	22.0	2.2	1.2	13.7	29.9
Bosnia and Herzegovina	610	37.6	41.1	14.0	4.5	37.6	2.4	0.4	37.4	37.8
Botswana	596	18.7	50.2	20.7	8.2	18.7	1.3	0.9	15.7	21.8
Bulgaria	579	40.7	28.5	19.6	8.9	40.7	1.6	0.8	40.8	40.5
Chinese Taipei	579	76.8	10.0	9.9	2.9	76.8	0.3	0.0	76.7	77.0
Colombia	692	28.7	44.3	17.0	7.2	28.7	0.9	1.8	19.9	38.3
Cyprus	629	45.0	25.1	19.8	9.2	45.0	0.4	0.5	42.2	48.0
Czech Republic	690	67.4	10.2	16.4	5.4	67.4	0.3	0.3	57.3	75.8
Egypt	929	22.3	35.1	28.5	13.4	22.3	0.7	0.1	18.1	26.3
El Salvador	579	25.4	53.8	13.6	5.0	25.4	1.4	0.9	18.8	32.1
England	568	62.5	13.0	15.2	8.7	62.5	0.4	0.2	61.7	63.3
Georgia	592	28.6	38.1	21.3	7.3	28.6	2.6	2.0	27.7	29.5
Ghana	761	11.0	56.8	23.1	6.7	11.0	1.4	1.0	10.4	11.5
Hong Kong SAR	499	66.9	9.8	16.3	5.6	66.9	0.9	0.5	64.0	69.5
Hungary	591	65.8	12.6	14.9	5.8	65.8	0.8	0.0	59.2	72.8
Indonesia	600	27.0	45.5	18.7	7.3	27.0	0.4	1.1	24.4	29.7
Iran, Islamic Rep. of	577	28.8	38.3	19.9	11.5	28.8	1.0	0.6	28.5	29.0
Israel	463	37.3	25.9	22.6	10.8	37.3	1.3	2.0	32.7	42.6
Italy	635	52.2	20.5	17.6	7.2	52.2	1.8	0.7	45.5	58.3
Japan	611	80.1	9.5	7.2	2.4	80.1	0.7	0.2	75.2	84.5
Jordan	747	23.8	44.2	22.8	7.8	23.8	0.6	0.8	23.5	24.1
Korea, Rep. of	607	83.8	6.4	6.7	3.1	83.8	0.0	0.0	83.1	84.4
Kuwait	574	22.4	34.8	26.5	12.2	22.4	2.4	1.8	24.7	19.6
Lebanon	540	21.6	43.1	22.3	10.3	21.6	2.3	0.5	20.5	22.8
Lithuania	567	70.4	15.8	9.6	4.1	70.4	0.0	0.1	69.4	71.4
Malaysia	632	46.2	30.7	16.6	5.1	46.2	0.5	0.9	37.9	55.1
Malta	663	51.1	21.3	15.3	11.3	51.1	1.1	0.0	41.3	61.1
Morocco	431	21.9	52.2	13.0	9.0	21.9	1.9	2.0	17.3	28.8
Norway	675	59.9	12.4	15.7	9.8	59.9	1.4	0.9	59.1	60.8
Oman	690	25.1	40.3	22.9	10.3	25.1	0.6	0.8	24.2	26.1
Palestinian Nat'l Auth.	632	17.1	53.9	18.0	9.7	17.1	1.1	0.1	17.9	16.3
Qatar	1013	16.3	32.6	31.9	18.3	16.3	0.7	0.1	13.7	19.0
Romania	600	37.0	31.5	21.9	7.9	37.0	1.6	0.1	32.9	40.8
Russian Federation	649	53.9	20.9	18.0	6.2	53.9	0.6	0.5	48.4	59.7
Saudi Arabia	600	19.9	41.0	28.6	9.7	19.9	0.4	0.4	20.2	19.7
Scotland	559	60.3	15.3	15.8	8.0	60.3	0.3	0.4	59.2	61.6
Serbia	581	43.8	34.7	14.8	5.2	43.8	1.0	0.5	39.5	48.1
Singapore	657	74.1	10.1	11.2	4.4	74.1	0.1	0.1	72.4	75.6
Slovenia	588	67.2	9.4	13.7	9.1	67.2	0.3	0.3	58.8	75.3
Sweden	755	65.6	12.7	12.8	7.4	65.6	0.6	0.8	67.5	64.0
Syrian Arab Republic	667	13.7	58.6	17.9	7.5	13.7	1.2	1.1	9.5	18.3
Thailand	774	38.8	29.2	21.1	10.0	38.8	0.7	0.3	36.1	41.5
Tunisia	588	18.0	54.4	16.9	8.1	18.0	1.2	1.3	9.6	26.4
Turkey	639	37.4	27.9	23.7	9.5	37.4	1.3	0.2	34.2	40.0
Ukraine	640	52.2	22.1	18.2	6.6	52.2	0.3	0.6	45.8	59.5
United States	1033	59.6	14.2	15.3	10.0	59.6	0.5	0.4	59.9	59.4
International Avg.	644	42.3	30.0	17.8	8.0	42.3	1.2	0.7	39.1	45.5
Basque Country, Spain	323	59.3	14.8	16.0	7.6	59.3	1.3	0.9	54.2	63.4
British Columbia, Canada	603	65.9	12.7	11.4	9.2	65.9	0.8	0.0	62.6	69.4
Dubai, UAE	458	35.7	34.3	20.1	6.7	35.7	2.0	1.2	34.0	37.3
Massachusetts, US	270	63.9	16.6	11.4	7.6	63.9	0.5	0.0	64.8	63.1
Minnesota, US	252	77.4	6.0	9.7	6.7	77.4	0.1	0.0	75.5	79.5
Ontario, Canada	499	68.6	12.1	10.8	7.0	68.6	1.0	0.5	66.2	71.0
Quebec, Canada	570	72.6	8.9	12.2	5.8	72.6	0.3	0.2	69.9	75.3

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Geometry / Reasoning (M032402 - M09_10)
 Label: Why triangle is right angle triangle
 Type: MC Key: A

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	768	24.4	24.4	22.6	35.3	8.8	6.7	2.1	24.9	24.0
Armenia	686	62.0	62.0	9.7	7.1	2.7	17.1	1.6	59.4	64.5
Australia	578	42.0	42.0	18.2	24.9	8.6	6.2	0.1	43.5	40.5
Bahrain	618	43.9	43.9	18.7	25.4	7.4	3.5	1.2	49.0	38.9
Bosnia and Herzegovina	610	58.2	58.2	11.8	15.8	4.8	8.7	0.7	58.4	58.0
Botswana	.	.	.	.	.	.	.	.	.	.
Bulgaria	579	29.4	29.4	30.0	22.5	8.0	9.3	0.9	28.8	29.9
Chinese Taipei	579	74.7	74.7	13.4	7.4	3.8	0.7	0.0	76.0	73.4
Colombia	692	28.7	28.7	23.8	32.2	9.3	4.0	2.1	31.4	25.7
Cyprus	629	63.6	63.6	13.1	16.3	4.7	1.8	0.5	70.5	56.4
Czech Republic	690	48.1	48.1	20.6	17.5	7.3	6.2	0.4	49.0	47.3
Egypt	928	38.5	38.5	27.7	21.8	10.2	1.8	0.1	42.1	35.0
El Salvador	579	28.4	28.4	26.1	21.7	17.6	5.3	0.9	31.1	25.6
England	568	53.2	53.2	17.7	16.9	7.0	4.9	0.2	54.1	52.4
Georgia	592	42.9	42.9	23.6	18.5	6.0	6.9	2.1	46.0	39.7
Ghana	761	26.8	26.8	30.6	26.1	11.1	4.0	1.4	28.3	25.4
Hong Kong SAR	499	83.1	83.1	5.7	5.6	3.3	1.5	0.8	88.7	78.0
Hungary	591	63.3	63.3	16.1	13.1	4.6	2.7	0.2	63.4	63.2
Indonesia	600	54.1	54.1	14.8	20.3	7.6	2.1	1.1	56.6	51.6
Iran, Islamic Rep. of	577	49.7	49.7	20.2	20.4	6.8	2.3	0.6	55.5	44.9
Israel	463	30.2	30.2	25.9	26.8	6.8	8.1	2.1	30.2	30.2
Italy	633	48.2	48.2	16.6	21.0	6.6	6.5	1.0	47.2	49.1
Japan	611	23.1	23.1	28.4	32.6	12.6	3.0	0.4	24.0	22.4
Jordan	747	55.9	55.9	19.0	15.4	6.8	1.7	1.2	59.5	52.6
Korea, Rep. of	607	39.3	39.3	36.4	18.4	5.5	0.4	0.0	36.6	41.8
Kuwait	574	24.6	24.6	20.2	38.4	8.3	6.2	2.2	22.0	27.9
Lebanon	541	72.7	72.7	12.4	10.4	3.1	0.9	0.5	75.5	69.6
Lithuania	566	65.1	65.1	13.1	14.3	4.7	2.5	0.1	61.8	68.4
Malaysia	632	60.3	60.3	14.0	17.3	5.8	1.8	0.9	64.2	56.1
Malta	664	48.9	48.9	15.6	26.7	5.9	3.0	0.0	51.4	46.4
Morocco	431	49.3	49.3	24.1	18.0	4.6	2.0	2.0	45.7	54.9
Norway	675	32.2	32.2	24.5	29.2	5.8	7.2	1.0	34.1	30.3
Oman	689	31.8	31.8	24.8	27.2	13.0	2.5	0.8	34.7	28.9
Palestinian Nat'l Auth.	631	50.9	50.9	18.8	19.7	8.2	2.2	0.1	55.1	46.9
Qatar	1013	24.8	24.8	25.2	34.0	13.7	2.2	0.1	26.2	23.4
Romania	600	69.2	69.2	10.2	13.9	5.0	1.5	0.1	73.0	65.6
Russian Federation	649	68.9	68.9	10.3	12.3	4.1	3.6	0.8	68.8	68.9
Saudi Arabia	599	36.4	36.4	21.2	29.8	9.7	2.5	0.4	36.1	36.6
Scotland	559	49.5	49.5	15.5	25.2	5.9	3.6	0.4	48.5	50.4
Serbia	585	69.4	69.4	10.8	9.5	2.4	7.5	0.5	70.6	68.3
Singapore	657	68.6	68.6	9.1	16.2	4.9	1.2	0.1	72.6	65.1
Slovenia	588	26.9	26.9	30.2	27.3	10.9	4.5	0.3	28.4	25.5
Sweden	755	26.8	26.8	23.7	30.5	8.8	9.2	1.0	27.6	26.0
Syrian Arab Republic	667	49.6	49.6	17.3	21.4	8.4	1.9	1.4	49.6	49.7
Thailand	774	63.2	63.2	11.7	17.9	4.9	2.0	0.3	68.3	57.9
Tunisia	588	17.8	17.8	28.0	38.4	8.2	6.2	1.3	16.6	19.0
Turkey	639	56.6	56.6	11.4	21.1	7.2	3.4	0.2	63.2	51.3
Ukraine	640	53.1	53.1	14.9	20.5	9.3	1.6	0.6	55.6	50.3
United States	1033	53.0	53.0	16.8	20.8	7.5	1.5	0.4	52.4	53.6
International Avg.	644	47.5	47.5	19.1	21.3	7.3	4.1	0.8	49.1	46.1
Basque Country, Spain	323	55.0	55.0	14.5	19.8	5.2	4.5	0.9	51.5	57.9
British Columbia, Canada	603	49.2	49.2	13.8	25.2	7.5	4.3	0.0	49.8	48.6
Dubai, UAE	458	54.2	54.2	15.1	18.8	6.2	4.3	1.3	60.8	47.6
Massachusetts, US	270	60.7	60.7	13.4	17.5	5.1	3.2	0.0	56.2	64.5
Minnesota, US	252	54.1	54.1	21.9	18.6	4.5	0.9	0.0	56.5	51.5
Ontario, Canada	499	43.4	43.4	19.1	29.0	5.3	2.3	0.7	39.0	47.9
Quebec, Canada	570	27.8	27.8	28.2	29.4	6.5	7.9	0.2	27.7	27.9

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Geometry / Knowing (M032734 - M09_11)
 Label: View of shape directly from above
 Type: CR Key: -

COUNTRY	N	10	79	OMIT TED	NOT	V1	1.GIRL %Right	2.BOY %Right
					REACH ED			
Algeria	752	26.6	46.3	23.9	3.2	26.6	29.2	24.0
Armenia	688	73.0	14.9	9.0	3.0	73.0	74.3	71.8
Australia	578	88.3	7.2	4.4	0.1	88.3	86.9	89.8
Bahrain	618	39.9	44.1	14.4	1.6	39.9	53.4	26.9
Bosnia and Herzegovina	610	54.2	21.2	23.1	1.6	54.2	51.6	56.6
Botswana	595	24.5	61.7	11.9	1.8	24.5	26.3	22.8
Bulgaria	579	63.2	12.8	22.1	2.0	63.2	71.8	55.3
Chinese Taipei	579	69.7	22.9	7.4	0.0	69.7	71.1	68.1
Colombia	692	59.7	28.4	8.8	3.1	59.7	55.8	64.0
Cyprus	629	55.4	26.1	17.8	0.8	55.4	57.7	53.0
Czech Republic	690	81.0	11.8	6.5	0.6	81.0	80.7	81.2
Egypt	931	12.4	74.4	12.9	0.3	12.4	15.4	9.5
El Salvador	579	30.9	50.6	16.8	1.7	30.9	30.8	30.9
England	568	85.8	11.3	2.3	0.6	85.8	85.1	86.6
Georgia	592	38.4	24.5	34.0	3.1	38.4	37.1	39.7
Ghana	761	6.5	52.7	38.3	2.4	6.5	5.8	7.2
Hong Kong SAR	499	73.1	19.7	6.5	0.8	73.1	76.5	69.9
Hungary	591	81.4	13.6	4.7	0.3	81.4	79.6	83.4
Indonesia	600	31.6	58.7	8.1	1.6	31.6	25.4	38.2
Iran, Islamic Rep. of	577	40.7	39.8	18.8	0.7	40.7	46.2	36.0
Israel	463	43.8	22.5	30.8	2.9	43.8	47.2	39.9
Italy	636	70.6	16.5	11.8	1.2	70.6	71.1	70.1
Japan	611	84.8	11.6	2.9	0.6	84.8	86.9	83.0
Jordan	747	53.4	37.5	7.8	1.4	53.4	61.0	46.2
Korea, Rep. of	607	85.4	12.2	2.4	0.0	85.4	85.5	85.4
Kuwait	574	18.5	52.5	25.9	3.1	18.5	23.9	11.9
Lebanon	542	18.8	47.7	32.8	0.7	18.8	18.7	18.9
Lithuania	567	78.2	14.9	6.8	0.1	78.2	76.6	79.8
Malaysia	632	57.6	32.9	8.5	1.0	57.6	51.9	63.7
Malta	662	66.6	26.3	7.1	0.0	66.6	62.8	70.4
Morocco	433	20.9	57.8	18.6	2.7	20.9	23.8	17.0
Norway	675	66.9	25.9	6.2	1.0	66.9	69.0	64.7
Oman	689	29.2	53.5	16.0	1.3	29.2	39.8	18.7
Palestinian Nat'l Auth.	632	37.0	52.9	9.5	0.5	37.0	41.1	33.1
Qatar	1013	15.9	57.0	26.9	0.2	15.9	21.5	10.2
Romania	600	49.8	35.5	14.0	0.7	49.8	47.4	52.1
Russian Federation	649	70.9	16.5	11.2	1.5	70.9	74.2	67.3
Saudi Arabia	600	25.0	58.3	16.3	0.5	25.0	36.8	14.1
Scotland	559	81.1	14.2	4.4	0.4	81.1	81.5	80.6
Serbia	586	56.1	20.8	21.8	1.2	56.1	53.7	58.5
Singapore	657	79.6	17.6	2.4	0.4	79.6	77.5	81.4
Slovenia	588	69.7	25.2	4.9	0.3	69.7	71.3	68.1
Sweden	755	66.9	18.5	13.1	1.5	66.9	74.7	60.1
Syrian Arab Republic	667	34.9	47.1	16.6	1.4	34.9	36.1	33.6
Thailand	774	48.3	37.9	13.1	0.8	48.3	51.7	44.7
Tunisia	588	36.6	49.4	12.1	2.0	36.6	30.4	42.7
Turkey	639	54.9	33.7	11.1	0.3	54.9	62.6	48.6
Ukraine	640	62.3	20.1	17.0	0.6	62.3	64.4	59.9
United States	1033	74.7	21.7	3.0	0.6	74.7	75.2	74.3
International Avg.	643	53.0	32.3	13.6	1.2	53.0	54.7	51.3
Basque Country, Spain	323	74.7	17.5	6.4	1.4	74.7	67.6	80.5
British Columbia, Canada	603	79.7	15.4	4.9	0.0	79.7	80.8	78.6
Dubai, UAE	458	49.9	33.9	14.6	1.5	49.9	57.5	42.4
Massachusetts, US	270	82.8	13.2	3.4	0.6	82.8	82.4	83.2
Minnesota, US	252	89.5	9.1	1.4	0.0	89.5	90.3	88.6
Ontario, Canada	499	91.6	4.9	2.8	0.7	91.6	91.7	91.4
Quebec, Canada	570	76.6	14.8	7.9	0.6	76.6	83.2	70.1

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Geometry / Knowing (M032397 - M09_12)
 Label: Figure 1 transformed to 2 and 3
 Type: MC Key: B

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	770	15.5	31.2	15.5	20.5	23.7	5.5	3.5	14.1	16.9
Armenia	685	25.8	19.8	25.8	19.5	6.6	24.6	3.7	22.2	29.4
Australia	578	62.5	16.0	62.5	12.5	6.9	2.1	0.1	58.0	67.0
Bahrain	618	28.3	24.4	28.3	21.9	21.4	2.3	1.8	24.8	31.6
Bosnia and Herzegovina	610	24.2	27.9	24.2	24.1	10.3	11.8	1.8	25.4	23.1
Botswana	595	27.5	34.1	27.5	19.6	14.8	2.2	1.8	27.1	27.9
Bulgaria	579	41.4	11.6	41.4	23.3	11.1	10.5	2.2	39.5	43.1
Chinese Taipei	579	68.3	11.3	68.3	15.1	5.0	0.3	0.0	66.3	70.5
Colombia	692	24.2	19.9	24.2	28.9	20.3	2.8	3.9	23.3	25.2
Cyprus	629	24.9	20.9	24.9	31.9	19.4	2.1	0.8	24.6	25.1
Czech Republic	690	47.0	20.4	47.0	15.4	13.7	2.7	0.8	43.3	50.1
Egypt	927	34.6	21.7	34.6	15.3	26.9	1.0	0.5	31.1	38.0
El Salvador	579	18.6	33.3	18.6	18.5	21.8	5.5	2.4	18.8	18.4
England	568	62.1	14.2	62.1	13.4	8.5	1.1	0.6	62.5	61.7
Georgia	592	22.0	15.3	22.0	23.1	24.7	10.9	4.0	26.7	17.1
Ghana	761	20.1	22.9	20.1	29.2	19.7	4.3	3.8	18.7	21.4
Hong Kong SAR	499	80.4	7.8	80.4	7.4	2.9	0.7	0.8	82.1	78.8
Hungary	591	63.1	21.5	63.1	7.3	4.1	3.7	0.3	62.1	64.2
Indonesia	600	32.6	20.7	32.6	17.8	25.1	1.9	1.9	30.7	34.5
Iran, Islamic Rep. of	577	29.2	18.4	29.2	22.2	26.0	3.2	1.0	26.1	31.9
Israel	463	31.0	18.9	31.0	26.2	14.4	5.5	3.9	30.5	31.6
Italy	633	36.9	18.9	36.9	23.9	12.5	6.2	1.6	37.1	36.8
Japan	611	72.5	6.2	72.5	10.6	8.3	1.9	0.6	73.3	71.7
Jordan	747	29.9	25.5	29.9	24.0	17.3	1.9	1.4	34.0	26.1
Korea, Rep. of	607	83.5	5.7	83.5	4.9	4.8	1.1	0.0	87.1	80.4
Kuwait	574	29.1	33.1	29.1	15.2	15.9	3.4	3.3	28.8	29.4
Lebanon	540	22.7	33.9	22.7	21.9	14.4	4.5	2.6	18.5	27.3
Lithuania	566	41.8	23.4	41.8	19.1	10.8	4.6	0.2	42.4	41.3
Malaysia	632	45.5	22.6	45.5	15.1	13.9	1.3	1.5	43.0	48.3
Malta	661	46.0	26.7	46.0	17.1	8.0	1.9	0.3	41.9	50.3
Morocco	431	13.6	46.0	13.6	17.3	15.7	4.2	3.3	11.5	16.6
Norway	675	44.5	25.6	44.5	15.1	10.0	3.7	1.1	44.4	44.6
Oman	689	32.2	30.1	32.2	14.6	20.5	1.2	1.4	31.6	32.7
Palestinian Nat'l Auth.	632	21.4	28.8	21.4	26.0	21.6	1.6	0.5	20.3	22.5
Qatar	1013	32.6	28.4	32.6	22.9	15.0	0.9	0.2	31.2	34.0
Romania	600	28.1	26.5	28.1	21.6	18.7	4.3	0.8	28.8	27.4
Russian Federation	649	39.8	19.6	39.8	17.9	16.5	4.6	1.6	37.0	42.8
Saudi Arabia	600	23.5	32.2	23.5	16.6	25.7	1.3	0.7	25.5	21.7
Scotland	559	48.2	16.8	48.2	19.6	11.9	3.2	0.4	49.7	46.7
Serbia	584	26.8	20.8	26.8	29.0	13.0	8.9	1.5	26.0	27.6
Singapore	657	61.4	19.5	61.4	13.6	4.7	0.2	0.6	63.0	60.1
Slovenia	588	44.3	34.4	44.3	10.5	7.8	2.7	0.3	40.5	48.0
Sweden	755	51.3	19.1	51.3	18.7	6.1	3.3	1.5	50.7	51.9
Syrian Arab Republic	667	26.3	26.7	26.3	24.0	19.4	2.2	1.4	23.4	29.5
Thailand	774	41.1	25.5	41.1	14.9	15.3	2.3	0.9	40.9	41.3
Tunisia	588	24.3	25.6	24.3	12.0	32.2	3.7	2.4	21.9	26.6
Turkey	639	34.0	29.0	34.0	19.6	14.5	2.4	0.4	27.2	39.5
Ukraine	640	39.1	22.9	39.1	18.0	16.6	2.6	0.8	38.4	39.9
United States	1033	58.8	21.2	58.8	11.3	7.3	0.9	0.6	56.2	61.4
International Avg.	643	38.4	23.0	38.4	18.5	14.8	3.8	1.5	37.4	39.5
Basque Country, Spain	323	35.0	21.6	35.0	33.2	6.4	2.3	1.4	27.2	41.4
British Columbia, Canada	603	61.3	17.1	61.3	13.3	6.4	1.9	0.0	60.7	61.8
Dubai, UAE	458	35.9	27.1	35.9	19.2	13.8	2.4	1.5	36.4	35.5
Massachusetts, US	270	67.3	23.3	67.3	5.1	3.0	0.8	0.6	68.7	66.0
Minnesota, US	252	62.6	23.0	62.6	7.6	6.8	0.0	0.0	57.8	67.8
Ontario, Canada	499	76.5	12.8	76.5	4.3	5.2	0.5	0.7	76.8	76.2
Quebec, Canada	570	64.1	17.4	64.1	8.9	6.2	2.7	0.6	62.9	65.4

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Data and Chance / Applying (M032695 - M09_13)
 Label: Make a pie chart showing proportions
 Type: CR Key: -

COUNTRY	N	20	10	11	70	79	OMIT TED	NOT REACH ED	V1	V2	1.GIRL %Right	2.BOY %Right
Algeria	749	13.6	4.4	15.1	9.0	38.9	14.7	4.2	33.1	13.6	12.7	14.4
Armenia	687	36.2	13.9	2.5	0.7	10.9	24.6	11.1	52.7	36.2	36.2	36.2
Australia	578	62.8	4.2	1.5	8.3	20.0	3.2	0.1	68.4	62.8	64.5	61.0
Bahrain	618	30.9	9.7	3.7	13.7	27.9	12.2	1.9	44.4	30.9	32.5	29.4
Bosnia and Herzegovina	610	22.3	1.9	20.4	3.7	24.5	24.9	2.3	44.6	22.3	19.6	24.7
Botswana	596	26.1	8.9	6.6	6.4	42.3	7.7	2.1	41.5	26.1	29.4	22.7
Bulgaria	579	36.1	3.5	11.9	1.6	19.4	24.5	2.8	51.5	36.1	40.3	32.3
Chinese Taipei	579	50.0	4.1	28.9	2.2	10.7	4.2	0.0	82.9	50.0	49.5	50.4
Colombia	692	35.9	7.7	4.6	6.5	26.8	13.9	4.8	48.1	35.9	31.4	40.7
Cyprus	.	.	.	.	.	.	.	.	.	.	.	.
Czech Republic	690	59.5	9.1	5.4	5.1	14.2	5.7	0.9	74.1	59.5	57.8	61.0
Egypt	931	25.1	6.6	6.9	8.1	37.1	15.6	0.5	38.6	25.1	24.8	25.4
El Salvador	579	20.0	6.2	9.2	11.7	28.1	21.3	3.5	35.5	20.0	19.9	20.1
England	568	67.8	5.5	4.5	7.1	13.1	1.5	0.6	77.8	67.8	62.9	72.9
Georgia	592	17.7	7.4	9.2	2.8	17.6	40.3	5.0	34.3	17.7	16.3	19.0
Ghana	761	8.6	2.3	3.6	5.6	45.0	30.8	4.1	14.5	8.6	8.6	8.6
Hong Kong SAR	499	70.6	7.2	1.3	4.0	12.7	3.5	0.8	79.0	70.6	75.2	66.3
Hungary	591	65.3	3.9	4.4	3.1	15.4	7.7	0.4	73.5	65.3	64.5	66.1
Indonesia	600	28.8	9.7	5.5	5.6	37.7	10.7	2.1	44.0	28.8	30.4	27.2
Iran, Islamic Rep. of	577	26.8	4.9	3.4	4.9	44.1	14.7	1.2	35.1	26.8	26.5	27.0
Israel	463	49.2	6.4	3.0	2.9	21.0	13.0	4.5	58.7	49.2	49.5	48.8
Italy	636	54.8	10.6	3.0	3.6	17.6	8.1	2.2	68.5	54.8	53.0	56.5
Japan	611	79.4	3.3	0.4	2.9	9.2	4.3	0.6	83.1	79.4	79.8	79.1
Jordan	747	33.2	12.7	5.2	7.0	32.9	7.4	1.6	51.1	33.2	36.2	30.4
Korea, Rep. of	607	84.5	4.2	0.1	3.7	4.9	2.5	0.0	88.8	84.5	83.2	85.6
Kuwait	573	17.9	6.9	1.4	7.5	38.5	24.2	3.6	26.3	17.9	18.1	17.7
Lebanon	542	19.5	2.5	11.6	7.8	30.5	25.0	3.1	33.6	19.5	14.9	24.6
Lithuania	567	65.1	2.5	6.9	6.7	12.3	6.3	0.2	74.5	65.1	63.3	66.9
Malaysia	632	55.9	7.3	5.8	8.0	15.2	6.0	1.7	69.0	55.9	59.4	52.2
Malta	664	49.5	7.9	3.8	7.0	23.7	7.3	0.8	61.1	49.5	47.8	51.2
Morocco	432	15.7	7.6	7.2	2.2	39.3	24.4	3.6	30.5	15.7	13.7	18.7
Norway	675	58.1	4.6	3.7	6.1	18.4	7.4	1.6	66.4	58.1	61.2	54.9
Oman	690	19.0	6.3	8.7	12.1	40.5	11.9	1.6	33.9	19.0	19.6	18.3
Palestinian Nat'l Auth.	630	17.0	4.6	6.5	10.6	53.5	7.0	0.7	28.1	17.0	19.1	15.0
Qatar	1013	12.0	4.2	6.5	37.2	15.9	24.0	0.2	22.8	12.0	12.4	11.6
Romania	600	46.1	6.6	2.4	5.7	23.6	14.4	1.3	55.0	46.1	49.2	43.2
Russian Federation	649	56.8	3.6	12.7	1.7	13.4	10.1	1.8	73.0	56.8	55.2	58.4
Saudi Arabia	600	12.2	4.0	2.2	10.4	51.2	19.0	1.1	18.4	12.2	14.8	9.8
Scotland	559	60.1	7.9	4.3	10.1	12.5	4.6	0.5	72.3	60.1	59.9	60.3
Serbia	586	32.8	2.3	16.7	3.6	12.8	30.1	1.7	51.8	32.8	30.1	35.5
Singapore	657	83.4	4.2	1.2	1.5	7.5	1.6	0.6	88.9	83.4	85.1	82.0
Slovenia	588	61.6	6.6	4.9	6.5	16.7	3.3	0.4	73.1	61.6	57.9	65.2
Sweden	755	59.4	5.2	4.3	3.6	16.4	9.5	1.6	68.9	59.4	62.9	56.3
Syrian Arab Republic	667	29.5	9.4	1.9	7.6	29.0	21.0	1.6	40.8	29.5	27.8	31.3
Thailand	774	43.6	5.2	6.2	12.0	20.1	11.2	1.6	55.1	43.6	49.6	37.5
Tunisia	588	26.6	4.1	10.8	7.6	35.8	12.1	3.1	41.5	26.6	26.6	26.7
Turkey	639	32.7	7.4	1.9	6.2	34.4	17.1	0.4	42.0	32.7	30.2	34.7
Ukraine	640	46.2	2.2	15.2	3.6	19.4	12.5	0.9	63.6	46.2	47.2	45.1
United States	1033	55.6	10.0	3.0	8.3	19.1	3.1	0.8	68.7	55.6	54.2	57.0
International Avg.	644	41.3	6.1	6.5	6.7	24.4	13.1	1.9	53.8	41.3	41.4	41.2
Basque Country, Spain	323	61.2	5.9	3.7	4.3	18.6	4.6	1.7	70.7	61.2	59.0	62.9
British Columbia, Canada	603	57.7	7.2	4.1	8.3	18.3	4.0	0.3	69.1	57.7	57.5	58.0
Dubai, UAE	458	40.8	7.9	4.8	6.9	21.4	16.1	2.1	53.5	40.8	42.0	39.7
Massachusetts, US	270	68.3	6.9	2.6	4.7	12.8	3.9	0.8	77.8	68.3	62.3	73.4
Minnesota, US	252	67.2	8.8	1.8	7.0	14.0	1.3	0.0	77.7	67.2	66.7	67.7
Ontario, Canada	499	63.0	5.7	4.1	8.3	13.9	4.3	0.7	72.7	63.0	58.3	67.5
Quebec, Canada	570	68.0	5.1	7.4	5.6	9.2	3.3	1.4	80.5	68.0	68.3	67.7

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Data and Chance / Knowing (M032132 - M09_14)
 Label: How likely to get pink candy
 Type: MC Key: D

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	768	23.9	30.6	15.0	19.6	23.9	4.9	5.9	24.1	23.8
Armenia	688	35.1	11.6	5.3	22.6	35.1	13.1	12.3	33.3	36.8
Australia	578	65.7	2.0	6.4	25.1	65.7	0.6	0.2	61.5	69.8
Bahrain	618	26.2	20.4	11.3	35.6	26.2	3.6	2.9	24.9	27.5
Bosnia and Herzegovina	610	52.0	6.0	5.4	30.3	52.0	2.2	4.0	46.8	56.7
Botswana	596	18.8	23.9	26.5	23.6	18.8	4.5	2.7	20.7	16.9
Bulgaria	579	37.1	12.3	11.5	30.4	37.1	3.9	4.8	38.6	35.7
Chinese Taipei	579	65.3	3.0	3.5	27.5	65.3	0.5	0.1	67.2	63.3
Colombia	691	35.6	12.8	12.0	30.7	35.6	2.2	6.6	35.3	36.0
Cyprus	629	53.0	7.1	10.3	26.5	53.0	1.5	1.6	57.3	48.5
Czech Republic	690	61.3	3.0	2.8	31.4	61.3	0.7	0.9	57.5	64.5
Egypt	931	25.4	20.7	23.3	28.3	25.4	1.1	1.3	22.6	28.2
El Salvador	579	23.8	19.5	25.6	23.8	23.8	2.6	4.7	25.1	22.4
England	568	66.8	1.4	8.8	21.2	66.8	1.1	0.6	67.4	66.1
Georgia	592	40.9	9.1	13.5	25.5	40.9	3.7	7.4	41.7	40.1
Ghana	761	14.0	30.8	26.4	17.2	14.0	4.1	7.4	12.0	15.9
Hong Kong SAR	499	68.8	1.8	6.1	21.8	68.8	0.4	1.0	71.9	66.0
Hungary	591	58.7	2.2	4.7	32.9	58.7	0.3	1.3	57.8	59.6
Indonesia	600	32.6	19.6	18.7	23.9	32.6	1.7	3.5	30.4	35.0
Iran, Islamic Rep. of	577	34.1	11.2	19.2	29.2	34.1	3.4	3.0	31.1	36.7
Israel	463	45.9	4.3	14.3	25.3	45.9	4.3	5.9	45.6	46.3
Italy	635	54.6	3.7	7.7	29.4	54.6	2.1	2.5	48.2	60.5
Japan	611	69.2	0.2	7.4	21.2	69.2	1.2	0.8	71.1	67.4
Jordan	747	32.3	16.1	14.3	33.7	32.3	0.8	2.8	34.2	30.4
Korea, Rep. of	607	84.8	1.7	2.7	10.3	84.8	0.2	0.3	88.7	81.2
Kuwait	573	26.2	20.9	20.9	23.6	26.2	3.2	5.2	29.9	21.6
Lebanon	539	20.7	15.2	22.0	31.6	20.7	4.9	5.6	23.5	17.7
Lithuania	567	65.2	0.7	3.7	28.3	65.2	0.6	1.6	64.2	66.2
Malaysia	632	24.2	12.8	14.2	44.1	24.2	1.9	2.8	23.0	25.4
Malta	664	51.2	10.2	13.1	23.3	51.2	0.9	1.2	52.5	49.9
Morocco	430	24.9	24.6	17.2	26.0	24.9	3.0	4.3	25.3	23.8
Norway	675	56.2	3.8	3.9	31.0	56.2	2.2	2.9	54.2	58.3
Oman	690	26.2	19.4	20.5	28.6	26.2	2.5	2.8	26.6	25.8
Palestinian Nat'l Auth.	630	17.3	24.6	16.0	38.7	17.3	1.6	1.8	15.6	18.9
Qatar	1013	21.7	24.8	25.9	24.4	21.7	1.9	1.2	23.9	19.5
Romania	600	54.1	7.3	9.5	25.6	54.1	2.1	1.4	55.3	52.9
Russian Federation	649	55.2	4.9	5.0	30.3	55.2	1.3	3.3	52.4	58.1
Saudi Arabia	600	14.1	25.7	17.2	40.2	14.1	0.2	2.7	12.7	15.3
Scotland	559	54.9	4.4	7.8	30.4	54.9	1.5	1.0	50.4	59.5
Serbia	582	46.4	4.6	5.9	38.8	46.4	1.1	3.2	44.7	48.1
Singapore	657	65.5	6.4	11.0	15.7	65.5	0.8	0.6	67.7	63.5
Slovenia	588	61.1	1.7	4.4	31.5	61.1	0.6	0.7	57.9	64.2
Sweden	755	59.8	2.8	5.2	28.6	59.8	1.5	2.1	57.7	61.7
Syrian Arab Republic	667	27.0	18.3	21.4	28.4	27.0	2.2	2.7	22.9	31.6
Thailand	774	46.8	6.6	11.4	30.8	46.8	1.7	2.8	51.1	42.3
Tunisia	588	30.8	16.8	16.4	27.3	30.8	4.5	4.3	31.0	30.5
Turkey	639	47.0	10.0	13.7	26.0	47.0	1.9	1.5	47.1	46.9
Ukraine	640	45.3	10.0	8.6	33.7	45.3	0.7	1.7	50.6	39.3
United States	1033	64.3	4.1	7.7	22.2	64.3	0.7	1.1	63.2	65.2
International Avg.	643	43.5	11.3	12.4	27.7	43.5	2.2	2.9	43.2	43.7
Basque Country, Spain	323	52.5	2.9	9.6	31.1	52.5	1.5	2.3	43.9	59.4
British Columbia, Canada	603	61.7	3.4	7.1	25.1	61.7	1.3	1.5	60.3	63.2
Dubai, UAE	458	48.1	12.0	14.8	18.4	48.1	2.7	4.0	52.6	43.6
Massachusetts, US	270	65.5	3.7	6.7	21.7	65.5	1.1	1.3	60.9	69.4
Minnesota, US	252	76.3	3.2	5.0	14.0	76.3	1.5	0.0	74.0	78.7
Ontario, Canada	499	63.2	1.1	3.6	28.9	63.2	0.9	2.3	60.3	66.1
Quebec, Canada	570	54.2	2.5	5.5	32.8	54.2	2.5	2.6	49.5	58.9

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Number / Applying (M042041 - M10_01)
 Label: Length of the original pipe
 Type: MC Key: C

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	767	57.1	22.7	10.8	57.1	4.4	4.4	0.6	55.6	58.4
Armenia	678	75.6	7.9	7.1	75.6	1.9	7.4	0.1	75.0	76.2
Australia	580	78.6	9.5	8.9	78.6	2.0	1.1	0.0	75.0	82.3
Bahrain	598	58.9	20.0	15.0	58.9	3.5	2.3	0.3	66.5	51.3
Bosnia and Herzegovina	606	64.2	16.1	11.5	64.2	2.6	5.7	0.0	62.8	65.4
Botswana	599	53.8	20.7	15.2	53.8	7.0	3.1	0.2	56.5	50.8
Bulgaria	579	66.9	15.0	11.0	66.9	4.3	2.7	0.1	70.1	63.8
Chinese Taipei	572	90.0	3.6	4.6	90.0	1.4	0.3	0.0	92.4	87.6
Colombia	695	42.6	35.4	12.8	42.6	6.3	2.4	0.6	38.8	47.1
Cyprus	622	78.2	8.1	9.9	78.2	3.4	0.4	0.0	79.2	77.0
Czech Republic	693	75.7	11.4	8.8	75.7	1.9	2.2	0.0	73.4	77.7
Egypt	931	59.0	16.0	16.9	59.0	6.6	1.5	0.0	61.0	57.1
El Salvador	576	34.7	34.7	18.3	34.7	7.7	4.3	0.3	35.9	33.4
England	570	78.7	8.0	9.5	78.7	3.5	0.3	0.0	75.1	83.2
Georgia	575	53.4	26.5	9.6	53.4	6.8	3.5	0.2	50.6	56.9
Ghana	759	53.6	22.4	13.0	53.6	7.4	3.5	0.1	50.4	56.3
Hong Kong SAR	502	86.6	3.2	7.5	86.6	2.1	0.6	0.0	89.3	84.2
Hungary	600	76.3	12.6	7.6	76.3	2.2	1.3	0.0	75.7	76.9
Indonesia	592	63.1	20.8	10.7	63.1	4.0	1.5	0.0	66.1	59.7
Iran, Islamic Rep. of	575	64.3	13.9	17.4	64.3	2.9	1.5	0.0	67.3	61.7
Israel	460	69.3	13.1	10.6	69.3	2.3	4.3	0.5	65.8	73.0
Italy	629	85.6	3.8	6.3	85.6	3.3	1.0	0.0	85.4	85.7
Japan	601	89.6	3.2	4.3	89.6	1.4	1.5	0.0	87.6	91.4
Jordan	762	61.0	20.4	11.3	61.0	3.8	3.5	0.0	64.8	57.5
Korea, Rep. of	603	93.8	1.5	3.0	93.8	1.7	0.0	0.0	94.8	92.8
Kuwait	568	46.1	26.9	18.3	46.1	4.9	3.8	0.0	46.8	45.3
Lebanon	539	62.6	15.1	16.8	62.6	1.7	3.2	0.6	57.8	68.6
Lithuania	571	75.2	12.7	8.7	75.2	1.9	1.6	0.0	75.3	75.0
Malaysia	635	69.2	12.2	12.5	69.2	5.3	0.6	0.2	71.4	66.7
Malta	671	71.2	13.3	10.4	71.2	3.7	1.4	0.0	70.1	72.3
Morocco	453	46.5	28.0	17.9	46.5	3.9	3.7	0.0	44.0	50.5
Norway	658	80.7	6.2	8.9	80.7	2.8	1.5	0.0	79.4	81.9
Oman	680	43.2	26.7	21.6	43.2	5.4	3.1	0.0	48.4	37.7
Palestinian Nat'l Auth.	628	55.1	23.3	14.7	55.1	5.5	1.3	0.1	59.8	50.4
Qatar	1018	43.1	24.8	23.4	43.1	8.5	0.1	0.0	46.0	40.3
Romania	603	64.0	20.0	9.8	64.0	3.9	2.2	0.0	68.7	59.1
Russian Federation	638	79.9	12.5	5.0	79.9	1.1	1.5	0.0	81.4	78.4
Saudi Arabia	613	41.3	33.5	17.2	41.3	6.5	1.4	0.0	45.6	37.5
Scotland	565	79.3	9.6	6.4	79.3	3.4	1.4	0.0	80.4	78.1
Serbia	574	71.6	14.0	9.7	71.6	2.3	2.4	0.0	69.7	73.6
Singapore	654	94.0	1.8	2.7	94.0	1.0	0.5	0.0	94.9	93.2
Slovenia	584	80.3	9.2	6.8	80.3	2.6	1.0	0.0	76.9	83.5
Sweden	729	88.7	4.6	4.5	88.7	1.5	0.7	0.0	88.2	89.1
Syrian Arab Republic	672	51.6	25.2	14.3	51.6	5.5	3.3	0.0	47.2	56.2
Thailand	765	66.2	15.2	14.8	66.2	2.7	1.1	0.0	71.5	60.4
Tunisia	582	61.6	19.2	14.5	61.6	1.4	3.2	0.0	60.9	62.5
Turkey	647	75.3	12.5	6.9	75.3	3.9	1.0	0.4	75.1	75.4
Ukraine	631	67.2	19.0	9.9	67.2	3.1	0.8	0.0	69.5	64.4
United States	1037	75.0	11.4	10.0	75.0	3.1	0.5	0.0	72.8	77.2
International Avg.	642	67.3	15.7	11.2	67.3	3.7	2.1	0.1	67.7	67.0
Basque Country, Spain	331	82.7	7.7	5.9	82.7	1.4	2.3	0.0	76.6	88.5
British Columbia, Canada	602	81.0	7.0	9.0	81.0	1.4	1.6	0.0	76.5	85.4
Dubai, UAE	465	66.9	15.6	11.1	66.9	2.8	3.5	0.0	66.2	67.6
Massachusetts, US	278	84.6	7.0	4.8	84.6	2.4	1.2	0.0	78.0	90.7
Minnesota, US	247	83.8	7.3	6.2	83.8	2.0	0.8	0.0	81.5	86.2
Ontario, Canada	497	83.6	6.5	6.5	83.6	2.3	1.2	0.0	81.9	85.2
Quebec, Canada	573	81.7	4.6	9.1	81.7	3.2	1.2	0.3	78.3	85.5

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Number / Knowing (M042024 - M10_02)
 Label: What is K on a number line
 Type: MC Key: B

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	767	26.6	38.2	26.6	25.9	6.9	1.8	0.7	22.0	30.8
Armenia	680	40.8	17.5	40.8	27.5	7.6	6.4	0.1	39.7	42.0
Australia	580	68.9	14.7	68.9	14.1	1.6	0.7	0.0	62.8	75.4
Bahrain	598	25.5	33.5	25.5	24.8	15.1	0.9	0.3	18.2	32.7
Bosnia and Herzegovina	606	41.3	26.3	41.3	27.7	4.2	0.6	0.0	39.3	43.0
Botswana	599	30.7	44.4	30.7	18.5	5.3	0.8	0.3	33.2	27.9
Bulgaria	579	48.0	17.2	48.0	24.3	8.4	2.0	0.1	46.6	49.3
Chinese Taipei	572	83.2	11.3	83.2	4.8	0.2	0.6	0.0	83.8	82.6
Colombia	695	19.7	45.2	19.7	19.3	14.2	1.0	0.6	13.6	27.0
Cyprus	622	61.6	17.5	61.6	18.2	2.7	0.0	0.0	59.8	63.5
Czech Republic	693	67.7	15.0	67.7	16.4	0.9	0.0	0.0	64.3	70.5
Egypt	931	31.6	25.6	31.6	25.0	16.7	1.0	0.0	26.5	36.6
El Salvador	576	18.6	20.9	18.6	33.5	25.5	0.9	0.6	16.1	21.4
England	570	81.8	6.8	81.8	11.2	0.2	0.1	0.0	78.0	86.3
Georgia	575	36.7	29.1	36.7	18.2	12.9	2.5	0.5	32.7	41.6
Ghana	759	17.4	40.6	17.4	25.5	15.5	0.9	0.1	19.9	15.3
Hong Kong SAR	502	90.1	3.7	90.1	4.6	1.0	0.6	0.0	91.9	88.5
Hungary	600	75.6	13.1	75.6	10.2	1.1	0.1	0.0	75.0	76.1
Indonesia	592	31.6	27.9	31.6	20.4	19.1	1.0	0.0	26.7	37.3
Iran, Islamic Rep. of	575	20.1	52.7	20.1	19.2	7.2	0.9	0.0	20.8	19.4
Israel	460	45.9	24.4	45.9	22.8	4.9	1.6	0.5	37.8	54.9
Italy	629	48.5	23.9	48.5	22.6	4.4	0.6	0.0	44.3	51.8
Japan	601	90.2	2.0	90.2	6.4	0.5	0.9	0.0	90.8	89.7
Jordan	762	28.0	34.9	28.0	21.0	14.4	1.7	0.0	28.9	27.1
Korea, Rep. of	603	88.9	4.6	88.9	5.8	0.8	0.0	0.0	86.6	90.9
Kuwait	568	23.1	37.1	23.1	26.6	11.3	1.9	0.0	18.1	28.9
Lebanon	537	47.9	26.1	47.9	19.0	6.1	0.3	0.6	44.3	52.3
Lithuania	571	67.7	14.5	67.7	16.2	1.6	0.0	0.0	65.6	69.9
Malaysia	635	75.7	11.0	75.7	11.3	1.5	0.4	0.2	77.0	74.2
Malta	672	66.7	17.5	66.7	13.9	1.6	0.3	0.0	62.3	71.3
Morocco	453	33.9	28.4	33.9	28.7	8.4	0.6	0.0	29.1	40.3
Norway	658	60.8	15.0	60.8	21.8	1.5	0.8	0.0	59.1	62.4
Oman	680	20.0	34.9	20.0	19.8	24.4	0.9	0.0	16.1	24.0
Palestinian Nat'l Auth.	628	27.3	30.8	27.3	26.3	14.0	1.5	0.1	26.1	28.6
Qatar	1018	21.8	33.7	21.8	24.8	19.2	0.5	0.0	19.5	24.1
Romania	603	34.8	27.0	34.8	32.6	4.8	0.8	0.0	33.0	36.7
Russian Federation	638	61.7	20.2	61.7	15.2	2.7	0.3	0.0	59.4	64.0
Saudi Arabia	614	17.4	46.1	17.4	17.0	18.6	0.8	0.0	15.3	19.3
Scotland	565	80.6	6.5	80.6	11.3	0.9	0.7	0.0	79.8	81.5
Serbia	570	44.3	29.8	44.3	23.0	1.9	0.9	0.0	37.7	51.2
Singapore	654	94.3	1.9	94.3	3.5	0.3	0.0	0.0	95.6	93.2
Slovenia	584	73.4	12.7	73.4	12.8	1.0	0.2	0.0	72.8	73.9
Sweden	729	78.9	5.7	78.9	13.7	0.9	0.9	0.0	77.4	80.3
Syrian Arab Republic	672	21.4	40.8	21.4	18.6	16.9	2.2	0.0	18.0	24.9
Thailand	766	53.1	25.4	53.1	14.6	6.8	0.2	0.0	53.7	52.4
Tunisia	582	28.6	40.0	28.6	24.7	5.7	1.0	0.0	25.9	31.7
Turkey	647	29.7	33.2	29.7	24.5	12.0	0.2	0.4	27.4	31.8
Ukraine	631	46.8	30.2	46.8	18.7	4.0	0.3	0.0	44.3	49.8
United States	1037	68.5	15.0	68.5	14.9	1.0	0.5	0.0	66.5	70.6
International Avg.	642	48.9	24.0	48.9	18.8	7.3	0.9	0.1	46.6	51.4
Basque Country, Spain	331	76.1	11.7	76.1	10.7	1.5	0.0	0.0	68.7	83.1
British Columbia, Canada	602	69.6	15.6	69.6	12.0	1.0	1.8	0.0	66.4	72.8
Dubai, UAE	465	47.8	25.1	47.8	20.1	5.4	1.7	0.0	43.4	52.7
Massachusetts, US	278	78.1	11.5	78.1	10.0	0.0	0.3	0.0	73.5	82.5
Minnesota, US	247	76.4	9.7	76.4	12.6	0.8	0.5	0.0	73.8	79.0
Ontario, Canada	497	72.1	12.2	72.1	14.1	0.6	1.0	0.0	66.5	77.6
Quebec, Canada	573	74.5	13.6	74.5	10.4	0.6	0.5	0.3	69.7	80.0

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Number / Applying (M042016 - M10_03)
 Label: Express 256 X 4096 as a power of 4
 Type: MC Key: A

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	766	30.7	30.7	20.0	17.1	23.4	8.1	0.7	33.2	28.4
Armenia	676	59.4	59.4	11.4	8.3	10.5	10.1	0.3	60.1	58.8
Australia	580	43.9	43.9	17.9	15.0	20.3	2.8	0.0	43.6	44.2
Bahrain	598	34.9	34.9	14.4	18.3	28.6	3.5	0.3	35.8	33.9
Bosnia and Herzegovina	606	46.5	46.5	10.9	10.1	20.5	12.0	0.0	49.4	43.8
Botswana	599	25.2	25.2	15.7	17.7	36.4	4.4	0.7	22.0	28.7
Bulgaria	579	47.6	47.6	12.0	13.3	19.1	7.8	0.1	46.2	49.0
Chinese Taipei	572	69.2	69.2	7.2	7.4	16.0	0.2	0.0	71.3	67.1
Colombia	695	31.5	31.5	21.5	15.7	24.6	6.0	0.7	29.0	34.6
Cyprus	622	44.0	44.0	16.9	17.1	19.9	2.1	0.0	48.1	39.4
Czech Republic	693	40.1	40.1	21.0	12.4	17.7	8.8	0.0	42.6	38.1
Egypt	931	37.5	37.5	17.7	19.3	22.4	3.1	0.0	38.3	36.7
El Salvador	576	27.0	27.0	20.2	24.6	21.4	6.2	0.6	26.4	27.8
England	570	50.0	50.0	12.6	11.2	24.8	1.5	0.0	45.7	55.1
Georgia	574	40.9	40.9	17.2	9.8	23.2	8.3	0.5	39.6	42.5
Ghana	759	26.1	26.1	18.4	18.6	33.6	3.2	0.1	27.1	25.2
Hong Kong SAR	502	65.5	65.5	8.9	7.8	17.3	0.4	0.0	67.9	63.3
Hungary	600	52.3	52.3	11.0	11.5	22.0	3.1	0.0	52.9	51.8
Indonesia	592	41.1	41.1	17.8	10.4	28.2	2.5	0.0	41.0	41.2
Iran, Islamic Rep. of	575	40.0	40.0	20.5	17.4	18.7	3.3	0.0	44.0	36.6
Israel	460	46.3	46.3	15.1	14.0	16.6	7.3	0.7	47.7	44.9
Italy	629	53.5	53.5	11.4	13.2	17.5	4.5	0.0	55.2	52.2
Japan	601	51.7	51.7	12.4	11.8	22.9	1.2	0.0	51.5	52.0
Jordan	762	54.0	54.0	15.4	11.7	16.4	2.5	0.0	57.0	51.3
Korea, Rep. of	603	67.5	67.5	7.0	6.9	18.2	0.5	0.0	66.7	68.1
Kuwait	568	21.5	21.5	19.8	20.4	31.9	6.3	0.0	21.9	21.1
Lebanon	537	69.6	69.6	9.0	8.3	10.1	2.4	0.6	67.0	72.7
Lithuania	570	62.5	62.5	12.2	10.0	12.4	3.0	0.0	69.9	55.1
Malaysia	635	48.2	48.2	14.0	14.3	21.4	2.0	0.2	52.1	43.8
Malta	671	56.8	56.8	12.0	12.7	15.2	3.3	0.0	57.2	56.5
Morocco	450	30.0	30.0	18.8	16.7	27.8	6.6	0.0	32.9	25.5
Norway	658	27.3	27.3	21.1	22.4	20.7	8.5	0.0	29.3	25.4
Oman	680	44.5	44.5	16.1	15.5	20.7	3.1	0.0	44.5	44.5
Palestinian Nat'l Auth.	628	37.9	37.9	16.5	17.1	26.1	2.3	0.1	42.4	33.5
Qatar	1018	27.5	27.5	22.8	23.7	25.2	0.8	0.0	30.2	24.8
Romania	603	48.6	48.6	14.9	14.6	19.7	2.2	0.0	52.4	44.6
Russian Federation	638	63.7	63.7	7.2	7.6	18.5	2.9	0.1	64.1	63.4
Saudi Arabia	612	28.4	28.4	19.4	19.2	30.0	2.9	0.0	30.3	26.7
Scotland	565	37.4	37.4	19.0	14.3	25.0	4.4	0.0	36.3	38.5
Serbia	571	46.9	46.9	13.1	11.4	19.2	9.4	0.0	48.4	45.3
Singapore	654	63.5	63.5	7.7	9.5	18.6	0.7	0.0	66.1	61.1
Slovenia	584	53.3	53.3	11.7	10.0	22.9	2.1	0.0	54.2	52.4
Sweden	729	35.9	35.9	16.8	16.6	24.3	6.0	0.4	33.0	38.4
Syrian Arab Republic	672	30.9	30.9	19.7	16.2	28.9	4.4	0.0	29.4	32.4
Thailand	766	44.4	44.4	16.6	12.9	24.6	1.5	0.0	45.6	43.0
Tunisia	582	44.7	44.7	13.7	16.7	21.3	3.5	0.0	47.1	42.0
Turkey	647	41.0	41.0	15.6	12.0	27.1	3.9	0.4	42.1	40.0
Ukraine	631	51.5	51.5	13.8	9.5	22.9	2.3	0.0	57.9	43.8
United States	1037	61.4	61.4	12.4	10.3	14.9	1.0	0.0	63.3	59.4
International Avg.	641	45.0	45.0	15.1	13.9	21.8	4.1	0.1	46.1	43.8
Basque Country, Spain	331	55.4	55.4	14.7	10.7	13.6	5.6	0.0	52.7	57.9
British Columbia, Canada	602	54.5	54.5	14.2	11.4	15.7	4.3	0.0	55.7	53.3
Dubai, UAE	465	50.3	50.3	16.9	10.7	19.3	2.8	0.0	55.7	44.3
Massachusetts, US	278	67.1	67.1	6.1	10.0	15.0	1.7	0.0	65.1	69.1
Minnesota, US	247	64.9	64.9	12.3	11.4	10.9	0.5	0.0	61.1	68.7
Ontario, Canada	497	63.0	63.0	12.2	9.7	12.2	2.9	0.0	67.1	59.0
Quebec, Canada	573	59.5	59.5	12.2	10.3	14.4	3.3	0.3	61.8	56.9

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Number / Reasoning (M042002 - M10_04)
 Label: Numbers to get greatest results
 Type: CR Key: -

COUNTRY	N	10	70	71	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	742	12.2	12.3	31.6	36.7	6.3	1.0	12.2	12.1	12.4
Armenia	677	43.1	4.5	8.3	28.5	15.2	0.3	43.1	40.7	45.6
Australia	580	39.3	18.9	18.1	21.3	2.4	0.0	39.3	37.3	41.3
Bahrain	598	12.6	12.9	39.9	30.4	3.9	0.3	12.6	12.5	12.8
Bosnia and Herzegovina	606	22.0	11.1	14.3	44.0	8.6	0.0	22.0	20.7	23.1
Botswana	599	4.2	3.1	6.2	81.0	4.6	0.9	4.2	3.8	4.7
Bulgaria	579	23.1	12.2	13.4	35.9	14.9	0.6	23.1	21.3	24.8
Chinese Taipei	572	43.7	18.9	17.7	18.4	1.4	0.0	43.7	44.5	42.9
Colombia	695	9.6	6.5	11.6	68.3	2.1	1.9	9.6	8.5	10.8
Cyprus	622	24.8	15.5	21.6	34.3	3.8	0.0	24.8	23.5	26.1
Czech Republic	693	29.7	12.8	20.3	35.7	1.5	0.0	29.7	27.7	31.4
Egypt	931	16.4	15.5	40.2	25.1	2.7	0.0	16.4	11.4	21.4
El Salvador	576	3.8	3.7	10.3	67.3	13.5	1.4	3.8	4.0	3.7
England	570	36.6	21.6	19.0	22.0	0.7	0.0	36.6	35.3	38.3
Georgia	574	16.3	9.2	19.8	36.7	17.1	0.9	16.3	12.7	20.7
Ghana	759	1.2	1.3	2.5	82.5	12.2	0.2	1.2	1.3	1.2
Hong Kong SAR	502	53.6	16.5	18.1	10.5	1.3	0.0	53.6	55.6	51.8
Hungary	600	36.4	15.9	33.3	13.1	1.1	0.1	36.4	40.7	32.6
Indonesia	591	10.4	5.0	11.3	69.2	4.1	0.0	10.4	9.6	11.3
Iran, Islamic Rep. of	575	23.4	13.6	29.8	29.7	3.3	0.2	23.4	24.3	22.7
Israel	460	33.8	19.0	23.5	14.1	8.7	1.0	33.8	33.3	34.5
Italy	629	31.2	13.3	23.8	28.3	3.5	0.0	31.2	32.0	30.5
Japan	601	49.8	19.7	16.4	12.6	1.5	0.0	49.8	48.2	51.3
Jordan	762	20.1	9.9	49.4	19.7	1.0	0.0	20.1	20.5	19.6
Korea, Rep. of	603	47.3	17.7	20.4	14.1	0.5	0.0	47.3	48.5	46.1
Kuwait	568	7.7	12.9	43.6	28.2	7.6	0.0	7.7	8.2	7.2
Lebanon	539	24.2	4.9	9.5	52.9	7.9	0.6	24.2	20.0	29.4
Lithuania	569	19.8	10.6	12.3	47.9	9.4	0.0	19.8	23.6	16.0
Malaysia	635	34.9	14.4	18.8	30.6	1.1	0.2	34.9	36.2	33.5
Malta	672	24.9	14.0	21.9	35.5	3.7	0.0	24.9	22.3	27.5
Morocco	454	11.0	11.0	32.2	37.3	8.3	0.3	11.0	12.2	9.3
Norway	658	51.9	12.2	18.0	17.4	0.6	0.0	51.9	51.2	52.5
Oman	680	7.2	12.8	46.7	29.3	4.0	0.0	7.2	7.2	7.3
Palestinian Nat'l Auth.	628	11.9	10.5	49.5	24.8	3.2	0.1	11.9	13.6	10.3
Qatar	1018	6.2	6.4	31.4	44.2	11.8	0.0	6.2	6.0	6.3
Romania	603	18.2	9.1	27.1	42.1	3.4	0.2	18.2	17.9	18.4
Russian Federation	638	35.8	16.4	21.3	21.1	5.2	0.2	35.8	37.2	34.5
Saudi Arabia	614	6.6	14.2	50.1	26.7	2.4	0.0	6.6	6.1	7.0
Scotland	565	31.4	12.4	25.4	28.6	2.0	0.1	31.4	31.5	31.3
Serbia	576	18.4	14.0	15.0	43.2	9.3	0.1	18.4	16.6	20.1
Singapore	654	52.6	16.6	18.8	10.7	1.3	0.0	52.6	52.6	52.7
Slovenia	584	36.3	17.8	26.2	18.9	0.8	0.0	36.3	37.5	35.2
Sweden	729	42.6	19.5	16.9	18.9	1.6	0.4	42.6	40.8	44.3
Syrian Arab Republic	672	12.3	12.8	41.8	29.7	3.5	0.0	12.3	10.0	14.6
Thailand	766	25.4	15.7	15.6	39.9	3.2	0.1	25.4	26.3	24.5
Tunisia	582	20.3	15.3	46.6	16.2	1.6	0.0	20.3	18.8	22.1
Turkey	647	19.4	9.9	21.2	44.6	4.5	0.4	19.4	16.7	21.8
Ukraine	631	22.6	13.2	16.3	41.8	6.1	0.0	22.6	26.6	17.7
United States	1037	39.3	15.8	18.2	25.5	1.2	0.0	39.3	38.6	40.0
International Avg.	641	25.0	12.7	23.8	33.4	4.9	0.2	25.0	24.6	25.4
Basque Country, Spain	331	32.4	18.3	18.4	28.6	2.3	0.0	32.4	27.9	36.6
British Columbia, Canada	602	41.7	17.2	17.4	20.9	2.9	0.0	41.7	38.7	44.6
Dubai, UAE	465	24.2	11.8	23.8	35.0	5.1	0.1	24.2	27.3	20.7
Massachusetts, US	278	52.0	15.7	18.9	12.0	1.3	0.0	52.0	49.2	54.7
Minnesota, US	247	49.6	19.1	14.1	16.7	0.5	0.0	49.6	49.7	49.5
Ontario, Canada	497	45.0	13.9	18.1	20.6	2.2	0.1	45.0	44.9	45.0
Quebec, Canada	573	49.1	15.0	17.6	16.7	1.1	0.5	49.1	48.0	50.5

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Algebra / Knowing (M042198A - M10_05A)

Label: Next term in the pattern

Type: CR Key: -

COUNTRY	N	10	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	751	9.3	56.6	32.8	1.4	9.3	10.4	8.2
Armenia	679	75.6	13.9	10.0	0.5	75.6	79.2	71.9
Australia	580	92.8	5.6	1.7	0.0	92.8	95.7	89.7
Bahrain	598	38.1	46.5	15.1	0.3	38.1	43.1	33.2
Bosnia and Herzegovina	606	76.8	9.9	13.3	0.0	76.8	78.2	75.5
Botswana	599	67.8	27.7	3.4	1.1	67.8	75.3	59.5
Bulgaria	579	73.2	11.4	14.5	0.8	73.2	79.2	67.5
Chinese Taipei	572	91.3	4.0	4.7	0.0	91.3	92.2	90.4
Colombia	695	46.9	25.9	24.9	2.2	46.9	46.4	47.6
Cyprus	622	80.9	10.5	8.7	0.0	80.9	84.8	76.5
Czech Republic	693	89.8	5.6	4.6	0.0	89.8	93.1	87.1
Egypt	932	48.7	41.3	9.9	0.0	48.7	49.2	48.3
El Salvador	576	24.3	38.0	36.0	1.7	24.3	22.8	26.0
England	570	91.9	6.0	2.2	0.0	91.9	91.2	92.6
Georgia	574	42.3	16.3	40.4	1.0	42.3	46.8	36.6
Ghana	759	28.6	43.7	27.2	0.4	28.6	24.1	32.6
Hong Kong SAR	502	87.1	7.1	5.8	0.0	87.1	89.5	85.0
Hungary	600	89.6	4.7	5.6	0.1	89.6	89.8	89.4
Indonesia	592	37.2	45.1	17.8	0.0	37.2	39.7	34.2
Iran, Islamic Rep. of	575	65.6	21.5	12.7	0.2	65.6	66.6	64.7
Israel	460	71.0	14.5	13.1	1.3	71.0	70.6	71.8
Italy	629	75.5	8.5	16.0	0.0	75.5	78.5	73.1
Japan	601	93.3	4.7	2.0	0.0	93.3	94.4	92.3
Jordan	762	51.2	40.0	8.6	0.2	51.2	55.5	47.3
Korea, Rep. of	603	89.0	7.7	3.4	0.0	89.0	92.1	86.1
Kuwait	568	26.4	44.0	29.4	0.2	26.4	32.1	19.7
Lebanon	539	41.4	35.2	22.9	0.6	41.4	41.8	40.8
Lithuania	571	84.2	10.8	5.0	0.0	84.2	87.4	81.0
Malaysia	635	67.4	25.8	6.7	0.2	67.4	69.9	64.6
Malta	671	85.8	10.9	3.3	0.0	85.8	87.5	83.9
Morocco	454	17.4	42.7	39.7	0.3	17.4	15.7	19.8
Norway	658	85.8	10.1	4.2	0.0	85.8	88.8	82.8
Oman	680	32.4	55.2	12.4	0.0	32.4	41.1	23.3
Palestinian Nat'l Auth.	629	42.4	49.1	8.1	0.5	42.4	51.4	33.5
Qatar	1018	22.5	59.4	18.1	0.0	22.5	25.7	19.4
Romania	603	81.9	10.6	7.4	0.2	81.9	86.9	76.6
Russian Federation	638	72.6	9.1	17.9	0.4	72.6	77.1	68.1
Saudi Arabia	614	38.3	50.6	11.0	0.0	38.3	42.9	34.1
Scotland	565	90.2	6.6	3.1	0.1	90.2	92.7	87.6
Serbia	576	78.8	8.6	12.5	0.1	78.8	83.6	73.8
Singapore	654	94.0	5.0	1.0	0.0	94.0	96.2	91.9
Slovenia	584	89.6	7.2	3.2	0.0	89.6	92.2	87.2
Sweden	729	85.4	10.6	3.6	0.4	85.4	90.1	81.1
Syrian Arab Republic	672	41.8	39.8	18.4	0.0	41.8	34.2	49.5
Thailand	766	66.8	22.2	10.6	0.4	66.8	73.1	60.0
Tunisia	582	80.4	12.3	7.3	0.0	80.4	79.7	81.2
Turkey	647	73.7	16.1	9.8	0.4	73.7	76.8	70.9
Ukraine	631	79.2	10.7	10.1	0.0	79.2	80.5	77.5
United States	1037	89.7	8.2	2.2	0.0	89.7	90.8	88.5
International Avg.	641	65.4	22.0	12.3	0.3	65.4	67.9	62.9
Basque Country, Spain	331	79.8	9.2	11.0	0.0	79.8	81.8	77.9
British Columbia, Canada	602	90.8	6.6	2.6	0.1	90.8	93.7	87.9
Dubai, UAE	465	72.9	17.5	9.2	0.4	72.9	73.4	72.3
Massachusetts, US	278	93.3	4.5	2.2	0.0	93.3	92.8	93.7
Minnesota, US	247	92.1	7.7	0.2	0.0	92.1	90.4	93.9
Ontario, Canada	497	93.7	3.8	2.4	0.1	93.7	93.9	93.4
Quebec, Canada	573	95.1	2.6	1.6	0.7	95.1	97.0	92.9

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Algebra / Reasoning (M042198B - M10_05B)
 Label: Term number 100 in the pattern
 Type: CR Key: -

COUNTRY	N	10	70	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	750	3.4	2.3	51.9	40.7	1.8	3.4	4.3	2.5
Armenia	678	53.3	5.6	20.4	20.2	0.5	53.3	56.1	50.4
Australia	580	54.0	16.3	21.9	7.9	0.0	54.0	53.5	54.5
Bahrain	598	13.4	5.1	60.9	20.4	0.3	13.4	11.8	14.9
Bosnia and Herzegovina	606	41.9	14.3	19.6	24.2	0.0	41.9	36.7	46.7
Botswana	599	16.9	13.7	60.0	7.6	1.8	16.9	21.0	12.3
Bulgaria	579	49.3	7.7	18.5	23.7	0.8	49.3	53.8	44.9
Chinese Taipei	572	69.9	10.9	13.7	5.5	0.0	69.9	69.0	70.9
Colombia	695	20.9	8.5	36.2	31.5	2.9	20.9	19.2	23.0
Cyprus	622	44.7	18.5	23.3	13.5	0.0	44.7	46.1	43.1
Czech Republic	693	54.9	9.4	24.3	11.3	0.0	54.9	55.3	54.7
Egypt	932	15.0	9.4	58.8	16.9	0.0	15.0	13.4	16.5
El Salvador	576	8.9	4.3	44.1	40.8	1.8	8.9	7.9	10.0
England	570	63.7	10.2	22.5	3.6	0.0	63.7	61.7	66.1
Georgia	574	27.4	3.6	19.3	48.5	1.2	27.4	28.5	26.0
Ghana	759	8.3	4.4	47.5	38.5	1.3	8.3	8.1	8.4
Hong Kong SAR	502	63.3	16.1	14.5	6.0	0.0	63.3	66.7	60.3
Hungary	600	56.6	13.3	19.6	10.4	0.1	56.6	57.9	55.4
Indonesia	592	12.7	4.3	55.4	27.5	0.1	12.7	12.4	13.0
Iran, Islamic Rep. of	575	28.8	12.8	36.2	22.0	0.2	28.8	26.5	30.7
Israel	460	44.4	14.6	21.5	17.7	1.8	44.4	47.8	40.9
Italy	629	35.7	10.4	27.1	26.6	0.3	35.7	39.7	32.4
Japan	601	56.1	20.1	20.6	3.0	0.2	56.1	54.7	57.4
Jordan	762	30.2	8.9	49.0	11.7	0.2	30.2	31.2	29.4
Korea, Rep. of	603	64.9	10.6	19.9	4.6	0.0	64.9	67.4	62.6
Kuwait	568	8.0	2.7	53.5	34.9	0.8	8.0	10.2	5.5
Lebanon	539	18.9	5.8	40.6	34.1	0.6	18.9	14.3	24.7
Lithuania	571	55.3	6.2	28.4	10.0	0.0	55.3	53.7	57.0
Malaysia	635	27.5	14.0	47.1	11.2	0.2	27.5	27.5	27.4
Malta	672	41.7	18.5	27.6	12.2	0.0	41.7	40.7	42.7
Morocco	454	6.8	3.3	32.2	57.5	0.3	6.8	5.6	8.4
Norway	658	50.6	19.4	20.2	9.5	0.3	50.6	49.3	51.8
Oman	680	10.4	8.6	64.6	16.0	0.4	10.4	11.8	8.9
Palestinian Nat'l Auth.	629	13.5	10.0	64.9	11.1	0.5	13.5	18.1	8.9
Qatar	1018	6.8	4.9	66.8	21.4	0.1	6.8	6.8	6.8
Romania	603	46.0	18.8	21.4	13.5	0.4	46.0	45.4	46.5
Russian Federation	638	37.0	15.3	22.0	25.2	0.5	37.0	38.6	35.3
Saudi Arabia	614	8.6	6.3	68.6	16.5	0.0	8.6	6.5	10.5
Scotland	565	51.0	16.7	21.1	11.1	0.1	51.0	49.9	52.2
Serbia	576	49.0	13.2	17.1	20.6	0.1	49.0	49.9	48.1
Singapore	654	75.4	8.2	13.9	2.5	0.0	75.4	76.5	74.3
Slovenia	584	56.5	13.3	24.8	5.4	0.0	56.5	51.7	60.9
Sweden	729	41.5	10.7	33.7	13.4	0.7	41.5	42.1	41.0
Syrian Arab Republic	672	18.3	4.6	53.3	23.4	0.3	18.3	11.7	25.0
Thailand	766	46.1	4.0	35.5	14.1	0.4	46.1	50.5	41.2
Tunisia	582	22.5	8.6	44.8	23.9	0.2	22.5	18.5	27.1
Turkey	647	38.7	12.0	28.0	20.9	0.4	38.7	39.7	37.9
Ukraine	631	43.7	9.5	29.0	17.8	0.0	43.7	43.3	44.3
United States	1037	53.5	20.1	20.8	5.4	0.2	53.5	52.8	54.2
International Avg.	641	36.0	10.4	34.4	18.7	0.4	36.0	36.0	36.1
Basque Country, Spain	331	45.5	13.9	23.0	17.5	0.0	45.5	40.1	50.7
British Columbia, Canada	602	59.0	17.9	15.0	7.9	0.2	59.0	58.0	60.0
Dubai, UAE	465	39.9	10.7	31.5	17.5	0.4	39.9	36.9	43.4
Massachusetts, US	278	67.1	15.5	13.5	3.9	0.0	67.1	63.0	70.9
Minnesota, US	247	53.2	23.8	21.0	1.9	0.0	53.2	49.9	56.7
Ontario, Canada	497	63.3	20.9	12.0	3.6	0.2	63.3	57.6	69.0
Quebec, Canada	573	60.4	18.9	14.4	5.6	0.7	60.4	55.4	66.0

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Algebra / Reasoning (M042198C - M10_05C)
 Label: Term number n in the pattern
 Type: CR Key: -

COUNTRY	N	10	70	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	749	0.9	0.2	48.6	48.5	1.8	0.9	1.0	0.8
Armenia	678	46.3	3.6	21.2	28.3	0.5	46.3	49.6	42.9
Australia	580	8.9	0.9	65.3	24.7	0.2	8.9	5.9	12.1
Bahrain	598	4.5	0.9	68.6	25.7	0.3	4.5	4.6	4.5
Bosnia and Herzegovina	606	17.4	1.6	36.5	44.5	0.0	17.4	17.8	17.1
Botswana	599	0.3	0.0	85.3	12.4	2.0	0.3	0.6	0.0
Bulgaria	579	23.5	0.5	43.2	32.1	0.8	23.5	23.0	23.9
Chinese Taipei	572	57.8	5.7	26.3	10.2	0.0	57.8	57.3	58.4
Colombia	695	2.4	0.4	54.7	39.3	3.1	2.4	1.3	3.8
Cyprus	622	23.0	1.6	46.7	28.8	0.0	23.0	26.5	19.1
Czech Republic	693	10.0	1.1	48.2	40.6	0.0	10.0	7.9	11.8
Egypt	932	5.3	0.8	69.9	24.1	0.0	5.3	6.2	4.4
El Salvador	576	0.1	0.0	51.5	46.5	1.8	0.1	0.0	0.3
England	568	27.7	0.7	52.6	19.1	0.0	27.7	23.5	32.8
Georgia	574	13.0	2.4	25.3	58.0	1.2	13.0	13.6	12.2
Ghana	759	1.2	0.0	50.7	46.9	1.3	1.2	1.8	0.6
Hong Kong SAR	502	44.2	13.6	32.2	10.1	0.0	44.2	49.6	39.3
Hungary	600	24.8	1.7	40.6	32.8	0.1	24.8	25.9	23.8
Indonesia	592	1.9	0.0	64.9	32.7	0.5	1.9	1.6	2.2
Iran, Islamic Rep. of	575	7.2	0.8	55.6	36.1	0.2	7.2	8.1	6.5
Israel	460	13.9	2.2	32.2	50.0	1.8	13.9	15.0	12.7
Italy	629	8.4	0.9	36.0	54.1	0.6	8.4	7.7	9.0
Japan	601	32.1	14.0	45.7	8.0	0.2	32.1	34.1	30.2
Jordan	762	17.4	1.6	62.8	18.0	0.2	17.4	19.8	15.2
Korea, Rep. of	603	47.3	9.2	32.9	10.6	0.0	47.3	50.4	44.6
Kuwait	568	1.3	0.0	53.2	44.6	0.8	1.3	0.8	1.9
Lebanon	539	6.9	0.9	47.2	44.3	0.8	6.9	4.3	10.2
Lithuania	571	16.1	0.9	58.3	24.7	0.0	16.1	15.2	17.0
Malaysia	635	1.2	0.2	74.4	23.9	0.2	1.2	1.8	0.7
Malta	672	7.8	0.3	62.4	29.5	0.0	7.8	7.5	8.1
Morocco	454	1.5	0.2	22.5	75.3	0.4	1.5	0.7	2.6
Norway	658	2.1	0.1	63.5	34.0	0.3	2.1	2.1	2.0
Oman	680	2.8	0.1	73.5	23.2	0.4	2.8	3.3	2.2
Palestinian Nat'l Auth.	629	5.8	1.1	74.9	17.8	0.5	5.8	8.5	3.1
Qatar	1018	0.6	0.1	74.4	24.9	0.1	0.6	0.8	0.4
Romania	603	32.1	1.2	42.8	23.6	0.4	32.1	34.4	29.6
Russian Federation	637	26.3	1.9	40.1	31.2	0.6	26.3	28.1	24.4
Saudi Arabia	614	1.6	0.0	76.4	21.9	0.0	1.6	1.7	1.6
Scotland	565	14.9	1.2	48.4	35.4	0.1	14.9	13.7	16.0
Serbia	576	21.0	1.0	31.4	46.5	0.1	21.0	19.7	22.3
Singapore	654	59.0	2.9	33.2	4.9	0.0	59.0	64.2	54.0
Slovenia	584	15.2	1.9	64.7	18.1	0.0	15.2	17.3	13.2
Sweden	729	8.2	0.8	56.7	33.6	0.7	8.2	7.6	8.9
Syrian Arab Republic	672	10.1	1.3	52.0	36.3	0.4	10.1	6.5	13.8
Thailand	766	13.4	0.2	65.3	20.8	0.4	13.4	14.7	12.0
Tunisia	582	2.8	0.0	59.3	37.7	0.2	2.8	2.2	3.4
Turkey	647	16.0	0.3	42.2	41.1	0.4	16.0	17.6	14.7
Ukraine	631	16.1	0.5	50.2	32.8	0.3	16.1	15.3	17.1
United States	1037	14.7	1.0	72.3	11.8	0.2	14.7	12.1	17.2
International Avg.	641	15.0	1.7	51.8	31.0	0.5	15.0	15.4	14.8
Basque Country, Spain	331	19.3	1.9	42.9	36.0	0.0	19.3	19.1	19.5
British Columbia, Canada	602	12.2	1.2	62.8	23.7	0.2	12.2	12.2	12.2
Dubai, UAE	465	18.6	0.8	54.4	25.8	0.4	18.6	16.2	21.4
Massachusetts, US	278	39.2	3.8	47.7	9.3	0.0	39.2	39.5	39.0
Minnesota, US	247	17.2	2.2	72.0	8.6	0.0	17.2	18.8	15.6
Ontario, Canada	497	14.2	0.3	62.4	22.9	0.2	14.2	14.6	13.8
Quebec, Canada	573	20.9	2.0	59.4	16.9	0.7	20.9	20.0	22.0

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Algebra / Knowing (M042077 - M10_06)
 Label: Expression to equivalent to 4(3+x)
 Type: MC Key: C

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT	1.GIRL	2.BOY
								REACH ED	%Right	%Right
Algeria	767	16.0	40.1	19.3	16.0	18.3	4.4	1.8	16.2	15.8
Armenia	678	71.0	15.4	5.2	71.0	4.0	4.0	0.5	72.5	69.4
Australia	580	33.1	28.0	18.5	33.1	17.8	2.1	0.5	30.0	36.3
Bahrain	598	48.6	23.1	13.7	48.6	13.1	1.3	0.3	61.0	36.3
Bosnia and Herzegovina	606	57.5	23.6	6.3	57.5	10.7	2.0	0.0	63.9	51.6
Botswana	598	24.1	30.2	27.4	24.1	15.0	1.3	2.0	26.2	21.8
Bulgaria	579	64.3	18.6	9.7	64.3	4.6	1.9	0.8	71.8	57.2
Chinese Taipei	572	85.4	7.5	2.4	85.4	4.0	0.7	0.0	88.5	82.3
Colombia	695	24.7	34.4	15.7	24.7	20.4	1.8	3.1	25.7	23.5
Cyprus	622	56.0	22.9	7.8	56.0	12.1	1.1	0.0	59.9	51.8
Czech Republic	693	58.6	21.2	5.9	58.6	14.3	0.1	0.0	58.7	58.4
Egypt	930	52.4	18.9	14.3	52.4	13.8	0.6	0.0	54.4	50.5
El Salvador	576	22.7	34.9	20.3	22.7	18.2	2.1	1.8	20.1	25.5
England	570	45.2	19.7	20.4	45.2	14.0	0.8	0.0	43.2	47.5
Georgia	574	50.9	25.1	8.0	50.9	12.9	1.8	1.2	57.8	42.4
Ghana	759	39.7	24.2	18.3	39.7	14.9	1.6	1.3	36.1	42.8
Hong Kong SAR	502	86.7	5.9	3.0	86.7	3.9	0.5	0.0	88.2	85.4
Hungary	600	61.5	16.0	7.4	61.5	14.1	0.9	0.1	67.5	56.0
Indonesia	592	34.2	29.8	13.5	34.2	21.2	0.9	0.5	38.0	29.7
Iran, Islamic Rep. of	575	38.6	31.1	7.6	38.6	21.9	0.6	0.2	38.2	38.8
Israel	460	69.9	14.6	3.6	69.9	9.5	0.7	1.8	68.2	72.0
Italy	629	47.9	26.9	6.2	47.9	17.5	0.9	0.6	54.0	43.0
Japan	601	78.3	15.0	2.3	78.3	3.8	0.4	0.2	75.0	81.4
Jordan	762	54.3	18.5	13.7	54.3	12.1	1.1	0.2	57.5	51.5
Korea, Rep. of	603	85.3	7.5	3.8	85.3	3.3	0.0	0.0	87.4	83.5
Kuwait	568	22.3	31.5	21.1	22.3	21.9	2.4	0.8	25.5	18.6
Lebanon	538	75.5	13.2	2.7	75.5	7.4	0.4	0.8	73.8	77.5
Lithuania	571	60.2	16.9	8.5	60.2	13.4	1.0	0.0	66.4	54.1
Malaysia	635	44.4	27.0	12.5	44.4	15.2	0.7	0.2	48.5	39.9
Malta	671	59.6	18.9	9.3	59.6	11.0	1.1	0.2	60.8	58.3
Morocco	451	37.8	28.0	17.0	37.8	14.9	2.0	0.4	36.3	39.4
Norway	658	15.1	36.1	29.9	15.1	14.8	3.9	0.3	13.0	17.1
Oman	680	42.7	20.0	20.2	42.7	15.9	0.9	0.4	51.8	33.2
Palestinian Nat'l Auth.	629	36.6	23.8	21.1	36.6	16.0	2.0	0.5	41.1	32.2
Qatar	1018	31.6	27.6	23.3	31.6	15.6	1.8	0.1	34.4	28.8
Romania	603	64.2	22.0	6.2	64.2	7.0	0.2	0.4	67.4	60.8
Russian Federation	638	75.0	12.6	2.5	75.0	8.0	1.4	0.6	79.5	70.4
Saudi Arabia	613	22.3	29.5	25.1	22.3	22.1	0.9	0.0	21.8	22.7
Scotland	565	43.2	19.6	22.0	43.2	13.5	1.6	0.1	41.8	44.8
Serbia	573	69.0	14.8	4.8	69.0	10.3	0.9	0.1	73.0	65.0
Singapore	654	86.8	7.3	1.9	86.8	3.6	0.3	0.0	89.6	84.1
Slovenia	584	36.7	36.7	5.0	36.7	21.0	0.6	0.0	38.6	35.0
Sweden	729	23.4	36.7	24.6	23.4	11.3	3.3	0.7	19.1	27.2
Syrian Arab Republic	672	46.9	21.5	14.1	46.9	15.7	1.4	0.4	48.2	45.6
Thailand	766	34.2	26.6	20.6	34.2	17.1	1.1	0.4	34.9	33.5
Tunisia	582	34.4	13.7	32.4	34.4	18.0	1.3	0.2	33.8	35.0
Turkey	647	51.9	22.7	13.7	51.9	10.4	0.8	0.4	52.7	51.1
Ukraine	631	65.1	16.3	7.5	65.1	9.7	1.1	0.3	68.1	61.4
United States	1037	51.7	28.5	4.7	51.7	14.2	0.7	0.2	50.3	53.0
International Avg.	642	49.7	22.5	12.8	49.7	13.1	1.3	0.5	51.6	47.8
Basque Country, Spain	331	65.3	19.5	2.0	65.3	11.9	1.4	0.0	63.3	67.1
British Columbia, Canada	602	36.7	40.1	8.2	36.7	13.2	1.6	0.2	36.3	37.2
Dubai, UAE	465	61.5	18.4	7.4	61.5	10.8	1.6	0.4	63.4	59.4
Massachusetts, US	278	57.3	23.9	3.3	57.3	14.5	1.1	0.0	54.4	59.9
Minnesota, US	247	46.0	34.3	5.0	46.0	14.5	0.2	0.0	45.6	46.5
Ontario, Canada	497	19.5	45.3	11.6	19.5	20.8	2.7	0.2	14.7	24.2
Quebec, Canada	573	56.8	20.0	6.0	56.8	14.9	1.6	0.7	54.4	59.5

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Algebra / Knowing (M042235 - M10_07)

Label: What is the value of x and y

Type: MC Key: D

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	767	22.2	24.2	13.4	28.4	22.2	9.9	1.8	22.4	22.0
Armenia	665	60.0	9.1	8.8	13.7	60.0	7.6	0.8	60.7	59.2
Australia	580	54.3	10.5	11.7	21.2	54.3	1.8	0.5	51.3	57.5
Bahrain	598	33.8	20.5	14.3	28.2	33.8	2.9	0.3	37.5	30.2
Bosnia and Herzegovina	606	54.6	13.3	8.0	13.8	54.6	10.4	0.0	58.7	50.9
Botswana	601	27.6	17.9	11.7	37.2	27.6	3.5	2.0	29.5	25.6
Bulgaria	579	45.5	11.8	14.6	21.5	45.5	5.8	0.8	50.9	40.4
Chinese Taipei	572	82.6	3.1	8.3	5.5	82.6	0.5	0.0	83.8	81.4
Colombia	695	14.6	27.5	15.3	34.1	14.6	5.2	3.2	13.6	15.8
Cyprus	622	57.6	9.0	13.9	16.9	57.6	2.6	0.0	62.3	52.3
Czech Republic	693	40.1	11.9	16.5	22.1	40.1	9.4	0.0	41.1	39.2
Egypt	927	33.7	13.5	16.4	34.3	33.7	2.0	0.0	32.6	34.8
El Salvador	576	13.1	26.5	17.6	36.0	13.1	4.9	1.8	13.8	12.3
England	570	63.7	8.7	9.6	15.2	63.7	2.8	0.0	61.9	66.0
Georgia	575	43.6	19.0	9.0	18.6	43.6	8.5	1.2	44.1	43.1
Ghana	759	16.4	26.5	14.4	36.7	16.4	4.7	1.3	15.7	17.1
Hong Kong SAR	502	79.5	5.0	9.9	5.2	79.5	0.3	0.0	82.1	77.3
Hungary	600	57.6	7.1	13.3	17.4	57.6	4.6	0.1	64.5	51.3
Indonesia	591	25.2	19.7	17.0	34.4	25.2	3.2	0.5	25.1	25.4
Iran, Islamic Rep. of	575	31.0	18.6	18.5	29.5	31.0	2.3	0.2	35.9	26.8
Israel	460	53.1	10.2	13.8	14.2	53.1	6.9	1.8	56.5	49.6
Italy	626	31.0	15.2	19.0	25.8	31.0	8.3	0.6	33.6	29.0
Japan	601	76.3	4.7	9.4	9.0	76.3	0.5	0.2	76.1	76.5
Jordan	762	50.5	13.1	9.6	24.4	50.5	2.1	0.2	53.4	47.9
Korea, Rep. of	603	87.1	3.3	4.6	4.9	87.1	0.0	0.0	88.5	85.8
Kuwait	568	23.7	20.7	18.9	31.0	23.7	4.8	0.8	23.2	24.3
Lebanon	522	41.1	13.0	8.4	30.0	41.1	6.7	0.8	35.9	47.8
Lithuania	565	58.0	11.3	8.2	18.6	58.0	3.8	0.0	65.0	51.1
Malaysia	635	49.6	12.9	14.3	20.7	49.6	2.3	0.2	54.5	44.2
Malta	671	49.8	16.0	12.3	16.9	49.8	4.8	0.2	51.9	47.7
Morocco	447	25.4	16.3	16.4	35.0	25.4	6.6	0.4	23.6	28.0
Norway	658	29.5	18.4	17.2	27.2	29.5	7.4	0.3	29.7	29.3
Oman	680	25.2	20.7	14.4	36.6	25.2	2.5	0.6	28.9	21.3
Palestinian Nat'l Auth.	629	33.3	14.7	15.9	33.7	33.3	2.0	0.5	36.2	30.5
Qatar	1018	21.5	20.9	25.9	29.4	21.5	2.2	0.1	20.8	22.2
Romania	603	53.1	12.0	11.9	20.9	53.1	1.8	0.4	60.1	45.8
Russian Federation	638	72.2	5.9	5.6	11.7	72.2	4.1	0.6	74.5	69.7
Saudi Arabia	612	15.1	25.9	20.7	34.7	15.1	3.5	0.0	14.7	15.5
Scotland	565	54.3	11.4	10.2	19.8	54.3	4.1	0.1	56.4	52.2
Serbia	557	59.7	10.6	8.9	14.9	59.7	5.7	0.1	62.6	56.7
Singapore	654	80.8	3.0	8.9	6.8	80.8	0.6	0.0	83.6	78.1
Slovenia	584	56.3	9.6	9.9	19.8	56.3	4.2	0.0	61.8	51.3
Sweden	729	50.9	9.9	14.2	20.3	50.9	4.0	0.7	56.0	46.3
Syrian Arab Republic	672	33.1	18.0	14.1	32.0	33.1	2.4	0.4	33.5	32.7
Thailand	766	37.5	14.8	15.4	30.0	37.5	1.9	0.4	43.0	31.6
Tunisia	582	31.5	18.7	12.0	26.1	31.5	11.4	0.2	30.2	33.1
Turkey	647	41.2	15.0	12.7	27.0	41.2	3.7	0.4	45.1	37.7
Ukraine	631	46.0	12.6	11.1	25.9	46.0	4.2	0.3	47.1	44.7
United States	1037	67.8	6.3	8.4	16.1	67.8	1.2	0.2	68.9	66.6
International Avg.	640	45.1	14.1	13.0	23.1	45.1	4.2	0.5	47.0	43.4
Basque Country, Spain	331	56.5	7.6	14.4	14.2	56.5	7.4	0.0	51.7	61.0
British Columbia, Canada	602	64.1	6.5	10.6	17.0	64.1	1.6	0.2	66.4	61.8
Dubai, UAE	465	55.2	10.5	13.7	17.9	55.2	2.4	0.4	53.6	57.0
Massachusetts, US	278	78.6	3.7	6.9	8.6	78.6	2.3	0.0	77.3	79.9
Minnesota, US	247	66.2	6.4	12.8	13.5	66.2	1.0	0.0	67.3	65.1
Ontario, Canada	497	68.0	6.7	6.0	15.6	68.0	3.0	0.7	71.1	65.0
Quebec, Canada	573	57.2	8.6	10.8	16.8	57.2	6.0	0.7	59.7	54.5

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent.

Mathematics: Algebra / Applying (M042067 - M10_08)
Label: What is the area of the rectangle
Type: MC Key: B

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	766	29.7	25.2	29.7	26.6	10.8	5.6	2.1	30.5	29.0
Armenia	676	63.9	19.0	63.9	6.7	5.4	3.4	1.4	64.8	63.0
Australia	580	25.2	38.4	25.2	23.1	10.9	2.0	0.5	24.5	25.9
Bahrain	598	25.1	39.7	25.1	25.7	7.9	0.9	0.6	21.3	28.9
Bosnia and Herzegovina	606	40.1	30.1	40.1	18.4	6.6	4.6	0.2	42.6	37.7
Botswana	601	25.0	25.4	25.0	26.3	18.3	2.4	2.6	27.6	22.1
Bulgaria	579	50.6	22.5	50.6	12.2	9.8	3.5	1.4	50.4	50.8
Chinese Taipei	572	79.8	10.8	79.8	4.8	4.1	0.5	0.0	80.4	79.2
Colombia	695	27.6	33.0	27.6	20.7	12.7	1.9	4.1	28.2	26.9
Cyprus	622	26.1	38.8	26.1	24.6	9.9	0.6	0.0	25.0	27.2
Czech Republic	693	35.5	36.1	35.5	19.2	6.7	2.4	0.0	32.9	37.7
Egypt	926	37.1	30.1	37.1	19.2	12.5	0.8	0.3	36.9	37.2
El Salvador	576	23.3	40.6	23.3	17.9	13.7	1.9	2.5	21.7	25.0
England	570	35.5	38.0	35.5	14.7	9.9	1.9	0.0	34.6	36.5
Georgia	575	43.2	25.8	43.2	15.8	8.6	4.5	2.1	39.3	48.2
Ghana	759	24.1	34.9	24.1	22.5	14.5	2.6	1.4	20.3	27.3
Hong Kong SAR	502	64.5	21.6	64.5	9.0	4.2	0.7	0.0	67.5	61.7
Hungary	600	30.3	32.9	30.3	16.8	16.6	2.7	0.7	30.6	30.1
Indonesia	591	37.7	36.0	37.7	14.2	10.1	1.2	0.8	39.1	36.0
Iran, Islamic Rep. of	575	31.3	25.1	31.3	20.4	20.9	1.9	0.3	32.7	30.1
Israel	460	46.4	26.5	46.4	12.2	9.7	3.0	2.2	44.8	48.4
Italy	629	30.2	41.4	30.2	17.8	6.6	3.4	0.6	35.7	25.7
Japan	601	44.2	37.4	44.2	15.4	2.2	0.6	0.2	44.8	43.7
Jordan	762	22.8	33.3	22.8	30.5	12.0	1.3	0.2	19.5	25.7
Korea, Rep. of	603	67.2	20.2	67.2	10.5	2.1	0.0	0.0	71.6	63.2
Kuwait	568	25.7	34.0	25.7	22.9	13.6	2.7	1.0	24.8	26.8
Lebanon	537	34.6	33.1	34.6	16.5	12.1	1.7	2.0	27.2	43.9
Lithuania	571	45.5	34.1	45.5	8.9	10.2	1.2	0.0	46.3	44.8
Malaysia	635	28.7	39.1	28.7	15.0	15.5	0.9	0.9	29.9	27.3
Malta	669	30.1	43.0	30.1	16.3	9.2	1.3	0.2	26.3	34.0
Morocco	453	29.9	32.6	29.9	21.7	11.5	3.5	0.9	29.8	30.3
Norway	658	31.2	31.6	31.2	21.5	11.1	4.3	0.4	31.8	30.5
Oman	680	28.2	28.5	28.2	24.9	16.5	1.2	0.7	26.6	29.9
Palestinian Nat'l Auth.	629	29.9	40.5	29.9	15.8	12.3	1.0	0.5	31.5	28.4
Qatar	1018	28.9	29.0	28.9	24.0	17.0	1.1	0.1	29.0	28.8
Romania	603	52.1	22.0	52.1	13.5	11.2	0.9	0.4	53.0	51.2
Russian Federation	638	64.4	19.8	64.4	6.1	6.6	2.4	0.7	69.7	59.0
Saudi Arabia	612	28.1	26.4	28.1	27.5	15.4	2.3	0.3	24.7	31.3
Scotland	565	24.0	41.7	24.0	20.4	11.2	2.6	0.1	20.7	27.4
Serbia	575	49.3	27.0	49.3	13.4	7.1	3.1	0.1	53.5	44.9
Singapore	654	75.0	17.7	75.0	4.6	2.5	0.2	0.0	76.0	74.1
Slovenia	584	31.4	46.7	31.4	14.6	6.4	0.9	0.0	32.4	30.4
Sweden										
Syrian Arab Republic	672	38.6	28.7	38.6	18.1	12.8	1.4	0.4	37.7	39.4
Thailand	766	40.2	30.6	40.2	13.1	14.0	1.6	0.5	42.7	37.6
Tunisia	582	28.2	42.5	28.2	16.6	9.9	2.1	0.6	25.6	31.1
Turkey	647	37.3	19.9	37.3	16.4	24.5	1.3	0.6	37.8	36.9
Ukraine	631	47.1	29.8	47.1	8.9	13.4	0.5	0.3	50.3	43.2
United States	1037	41.7	32.0	41.7	16.6	8.6	0.7	0.3	41.7	41.6
International Avg.	640	38.3	31.1	38.3	17.1	10.8	1.9	0.7	38.3	38.3
Basque Country, Spain	331	34.2	33.8	34.2	17.5	11.1	2.7	0.7	31.5	36.8
British Columbia, Canada	602	25.2	38.1	25.2	25.3	9.6	1.7	0.2	24.0	26.5
Dubai, UAE	465	40.5	31.6	40.5	14.7	10.5	2.3	0.4	40.0	41.2
Massachusetts, US	278	42.2	36.0	42.2	15.7	5.0	1.2	0.0	43.7	40.8
Minnesota, US	247	30.8	42.0	30.8	17.8	8.6	0.7	0.0	27.3	34.4
Ontario, Canada	497	28.8	33.2	28.8	29.3	5.3	2.7	0.7	30.5	27.2
Quebec, Canada	573	24.7	31.2	24.7	30.4	11.2	1.7	0.7	22.3	27.3

DIFF = Percent correct
Because of missing gender information, some totals may appear inconsistent.

Mathematics: Geometry / Knowing (M042150 - M10_09)
 Label: Which shape has a line of symmetry
 Type: MC Key: B

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	767	29.3	1.9	29.3	56.8	4.8	5.0	2.3	28.7	29.8
Armenia	671	44.3	2.7	44.3	39.9	4.1	7.6	1.5	42.9	45.7
Australia	580	55.3	4.1	55.3	35.2	2.6	2.1	0.6	52.0	58.8
Bahrain	598	33.2	9.3	33.2	47.9	6.1	2.9	0.6	31.5	34.9
Bosnia and Herzegovina	606	29.2	8.6	29.2	40.3	13.3	8.4	0.2	26.4	31.6
Botswana	600	23.2	9.2	23.2	53.2	9.4	1.8	3.1	21.4	25.2
Bulgaria	579	38.5	7.1	38.5	39.1	6.1	7.9	1.4	38.9	38.0
Chinese Taipei	572	70.9	1.3	70.9	25.3	0.8	1.7	0.0	70.7	71.1
Colombia	695	14.0	12.5	14.0	30.5	32.5	6.2	4.4	13.5	14.6
Cyprus	622	39.9	8.0	39.9	31.2	17.0	4.0	0.0	41.6	38.0
Czech Republic	693	35.0	5.6	35.0	40.4	14.8	4.3	0.0	38.8	31.8
Egypt	926	33.9	16.3	33.9	33.3	13.1	3.2	0.3	35.4	32.5
El Salvador	576	19.1	11.5	19.1	29.5	33.1	4.4	2.5	17.9	20.4
England	570	73.7	1.4	73.7	23.2	0.8	0.8	0.0	73.9	73.5
Georgia	575	27.4	10.5	27.4	38.5	15.8	5.6	2.2	24.6	30.9
Ghana	759	16.8	25.6	16.8	34.6	15.5	6.2	1.4	15.1	18.3
Hong Kong SAR	502	62.2	10.2	62.2	25.7	1.7	0.2	0.0	64.2	60.4
Hungary	600	58.3	4.3	58.3	30.1	2.0	4.7	0.7	54.6	61.6
Indonesia	592	33.2	9.2	33.2	46.8	8.4	1.5	0.9	30.4	36.4
Iran, Islamic Rep. of	575	47.2	8.6	47.2	34.9	7.5	1.6	0.3	49.8	44.9
Israel	460	26.1	10.7	26.1	39.4	13.0	8.6	2.2	27.8	24.4
Italy	615	35.1	8.9	35.1	37.7	12.4	5.0	0.9	36.4	34.0
Japan	601	49.4	2.3	49.4	37.6	7.7	2.7	0.2	50.9	48.1
Jordan	762	39.0	7.8	39.0	45.9	6.2	0.9	0.2	38.6	39.5
Korea, Rep. of	603	41.5	7.0	41.5	48.8	2.5	0.2	0.0	39.8	42.9
Kuwait	568	38.5	3.0	38.5	52.8	1.8	2.8	1.1	43.4	32.7
Lebanon	514	29.1	8.3	29.1	43.9	13.9	2.8	2.1	29.3	28.8
Lithuania	567	54.4	2.9	54.4	31.2	6.5	5.0	0.0	52.6	56.2
Malaysia	635	31.5	7.8	31.5	45.3	13.2	1.3	0.9	35.6	27.0
Malta	665	77.1	2.6	77.1	16.5	1.2	2.5	0.2	76.7	77.6
Morocco	436	26.1	3.8	26.1	59.8	6.2	3.2	0.9	30.1	20.6
Norway	658	24.8	12.5	24.8	45.5	11.5	5.2	0.4	25.8	23.9
Oman	680	30.9	8.8	30.9	49.0	9.0	1.4	0.9	34.5	27.2
Palestinian Nat'l Auth.	629	29.8	10.0	29.8	49.9	7.8	2.0	0.5	33.2	26.5
Qatar	1018	26.0	9.2	26.0	46.5	14.2	4.1	0.1	28.5	23.4
Romania	602	30.8	11.5	30.8	44.5	11.4	1.4	0.4	37.8	23.5
Russian Federation	638	46.1	5.9	46.1	32.3	9.1	6.0	0.7	46.8	45.3
Saudi Arabia	611	20.4	8.4	20.4	59.6	8.8	2.5	0.4	23.6	17.5
Scotland	565	76.0	0.7	76.0	19.3	1.7	2.2	0.1	73.4	78.7
Serbia	567	33.5	7.3	33.5	44.7	9.1	5.3	0.1	32.6	34.3
Singapore	654	74.3	4.8	74.3	18.5	2.0	0.4	0.0	74.5	74.1
Slovenia	584	36.6	6.6	36.6	45.5	7.9	3.4	0.0	35.9	37.3
Sweden	729	20.2	13.1	20.2	47.9	13.4	4.6	0.9	20.3	20.1
Syrian Arab Republic	672	24.9	12.7	24.9	49.8	9.4	2.7	0.6	22.2	27.7
Thailand	766	32.3	6.4	32.3	52.3	7.0	1.4	0.5	35.8	28.4
Tunisia	582	22.2	3.9	22.2	59.5	9.9	3.9	0.6	24.0	20.1
Turkey	647	24.3	20.0	24.3	39.2	13.7	2.3	0.6	30.2	19.2
Ukraine	631	27.2	10.5	27.2	44.0	14.5	3.4	0.4	29.9	23.8
United States	1037	48.5	3.5	48.5	41.1	6.0	0.5	0.4	46.8	50.3
International Avg.	640	38.0	7.9	38.0	40.5	9.4	3.4	0.8	38.6	37.4
Basque Country, Spain	331	28.4	4.4	28.4	38.2	21.4	6.9	0.7	23.9	32.6
British Columbia, Canada	602	44.6	4.6	44.6	41.2	7.8	1.6	0.2	44.5	44.7
Dubai, UAE	465	32.4	16.8	32.4	34.6	8.9	6.6	0.6	26.5	39.1
Massachusetts, US	278	64.1	3.0	64.1	31.9	0.5	0.5	0.0	57.8	70.1
Minnesota, US	247	52.6	4.8	52.6	39.6	2.4	0.6	0.0	57.2	48.0
Ontario, Canada	497	60.8	1.7	60.8	30.9	3.2	2.3	1.1	65.2	56.5
Quebec, Canada	573	57.5	3.8	57.5	30.1	4.5	3.3	0.8	63.2	51.1

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Geometry / Applying (M042300A - M10_10A)
 Label: Mark the points B and C on graph
 Type: CR Key: -

COUNTRY	N	10	70	79	OMIT TED	NOT	V1	1.GIRL %Right	2.BOY %Right
						REACH ED			
Algeria	753	38.7	4.6	27.1	26.9	2.7	38.7	41.7	36.0
Armenia	680	51.4	6.9	6.2	33.2	2.2	51.4	51.4	51.4
Australia	580	53.7	6.2	18.8	20.6	0.6	53.7	54.5	52.9
Bahrain	598	32.2	5.2	32.4	29.6	0.6	32.2	40.7	23.8
Bosnia and Herzegovina	606	33.2	3.9	19.0	43.4	0.4	33.2	36.3	30.3
Botswana	600	11.9	5.3	27.1	51.9	3.8	11.9	11.9	11.9
Bulgaria	579	47.2	4.7	6.4	39.8	1.9	47.2	51.2	43.5
Chinese Taipei	572	82.6	3.6	5.4	8.5	0.0	82.6	85.8	79.3
Colombia	695	12.4	5.0	30.1	47.3	5.3	12.4	10.4	14.7
Cyprus	622	42.8	1.5	25.1	30.4	0.1	42.8	47.2	37.9
Czech Republic	693	54.5	2.9	19.8	22.1	0.7	54.5	56.0	53.2
Egypt	930	28.6	5.9	34.0	31.1	0.4	28.6	29.7	27.5
El Salvador	576	6.3	2.2	20.0	68.7	2.8	6.3	6.1	6.5
England	570	54.7	11.5	17.0	16.7	0.0	54.7	52.5	57.5
Georgia	575	29.0	2.8	13.3	52.6	2.3	29.0	25.6	33.3
Ghana	759	10.4	3.0	21.1	63.8	1.8	10.4	9.8	10.9
Hong Kong SAR	502	80.2	4.5	4.5	10.8	0.0	80.2	82.3	78.2
Hungary	600	63.9	5.2	14.1	16.0	0.7	63.9	66.5	61.6
Indonesia	592	25.7	2.5	24.4	46.4	0.9	25.7	27.0	24.2
Iran, Islamic Rep. of	575	30.6	3.5	29.7	35.9	0.3	30.6	35.3	26.6
Israel	460	33.9	2.3	19.3	42.4	2.2	33.9	33.5	34.4
Italy	628	49.0	3.9	13.9	32.1	1.0	49.0	51.6	47.1
Japan	601	80.3	3.5	7.6	8.4	0.2	80.3	81.8	79.0
Jordan	762	37.0	1.3	43.2	18.3	0.2	37.0	44.0	30.7
Korea, Rep. of	603	76.7	5.7	10.4	7.3	0.0	76.7	78.5	75.0
Kuwait	568	32.8	4.2	19.0	42.5	1.5	32.8	40.7	23.5
Lebanon	539	50.0	2.7	24.7	20.6	2.1	50.0	49.4	50.6
Lithuania	571	68.6	8.5	9.8	13.1	0.0	68.6	73.9	63.3
Malaysia	635	66.5	7.7	15.1	9.7	0.9	66.5	69.8	62.9
Malta	672	60.4	6.0	16.0	17.4	0.3	60.4	63.5	57.2
Morocco	454	19.1	1.5	24.2	54.2	1.0	19.1	16.7	22.7
Norway	658	31.6	3.3	30.7	33.9	0.4	31.6	34.3	29.0
Oman	680	30.0	5.5	42.4	21.1	1.1	30.0	38.5	21.0
Palestinian Nat'l Auth.	629	13.5	1.4	46.7	37.9	0.5	13.5	19.2	7.8
Qatar	1018	8.3	2.2	20.9	68.3	0.3	8.3	11.5	5.1
Romania	602	42.1	1.9	27.4	27.9	0.6	42.1	49.3	34.7
Russian Federation	638	70.2	7.2	11.1	10.2	1.3	70.2	73.7	66.7
Saudi Arabia	614	19.5	1.8	35.3	43.1	0.3	19.5	27.9	11.8
Scotland	565	54.1	7.9	20.9	17.0	0.1	54.1	57.5	50.7
Serbia	576	47.4	2.5	12.5	37.1	0.4	47.4	52.0	42.5
Singapore	654	77.4	4.4	11.7	6.4	0.0	77.4	79.3	75.5
Slovenia	584	69.3	4.9	16.5	9.3	0.0	69.3	70.1	68.6
Sweden	729	45.4	8.3	13.9	31.2	1.2	45.4	51.2	40.2
Syrian Arab Republic	672	29.9	9.1	27.5	32.8	0.7	29.9	30.8	28.9
Thailand	766	39.7	2.3	19.8	37.2	0.9	39.7	46.6	32.1
Tunisia	581	19.6	6.8	41.2	31.7	0.6	19.6	19.0	20.4
Turkey	647	22.4	5.5	32.1	39.5	0.6	22.4	23.5	21.5
Ukraine	631	56.0	4.9	14.1	24.2	0.8	56.0	57.1	54.6
United States	1037	58.5	8.1	22.3	10.6	0.5	58.5	59.9	57.0
International Avg.	641	42.8	4.6	21.3	30.2	1.0	42.8	45.4	40.3
Basque Country, Spain	331	49.7	3.9	15.6	29.9	0.9	49.7	52.4	47.1
British Columbia, Canada	602	59.5	4.7	19.9	15.7	0.2	59.5	61.6	57.4
Dubai, UAE	465	48.2	6.3	20.3	24.6	0.6	48.2	52.8	43.1
Massachusetts, US	278	69.2	6.8	16.1	8.0	0.0	69.2	71.3	67.2
Minnesota, US	247	62.0	10.8	20.2	6.9	0.0	62.0	60.6	63.6
Ontario, Canada	497	57.4	7.1	21.5	12.9	1.1	57.4	59.4	55.6
Quebec, Canada	573	69.7	3.7	7.8	17.9	0.8	69.7	70.1	69.2

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Geometry / Applying (M042300B - M10_10B)
 Label: Measure of angle BOC
 Type: CR Key: -

COUNTRY	N	10	11	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
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Algeria	754	36.8	0.1	38.2	20.8	4.1	36.9	37.6	36.3
Armenia	680	44.0	1.8	15.1	35.7	3.4	45.8	44.3	47.4
Australia	580	43.6	1.9	32.2	21.5	0.7	45.6	46.0	45.2
Bahrain	598	23.7	0.2	54.7	20.6	0.8	23.9	28.0	19.9
Bosnia and Herzegovina	606	28.3	0.9	19.3	50.6	0.9	29.2	29.3	29.1
Botswana	600	6.2	0.7	76.3	9.8	7.0	6.9	6.7	7.2
Bulgaria	579	44.7	1.5	19.0	32.3	2.5	46.2	48.3	44.1
Chinese Taipei	572	71.7	1.3	20.3	6.6	0.0	73.1	76.6	69.5
Colombia	695	7.2	1.6	46.9	38.2	6.2	8.8	5.9	12.3
Cyprus	622	36.7	2.0	32.1	29.1	0.1	38.7	42.0	34.9
Czech Republic	693	45.3	1.8	26.7	25.6	0.7	47.0	48.2	46.1
Egypt	930	29.4	0.0	55.4	14.6	0.6	29.4	32.5	26.3
El Salvador	576	2.9	0.6	44.0	47.4	5.0	3.5	3.8	3.2
England	570	41.8	3.3	36.3	18.5	0.1	45.2	42.7	48.1
Georgia	575	20.7	0.0	22.6	52.5	4.2	20.7	19.3	22.4
Ghana	759	7.7	0.2	54.2	34.4	3.5	7.9	8.7	7.2
Hong Kong SAR	502	66.3	1.7	22.4	9.6	0.0	68.0	70.1	66.0
Hungary	600	43.9	0.8	32.7	21.8	0.7	44.7	48.0	41.8
Indonesia	592	21.8	0.4	58.9	17.1	1.7	22.3	21.2	23.5
Iran, Islamic Rep. of	575	21.4	0.5	44.0	33.3	0.8	21.9	23.1	20.9
Israel	460	20.2	1.0	36.1	39.7	3.1	21.2	22.6	19.8
Italy	629	39.1	0.6	25.1	33.9	1.3	39.7	38.3	40.8
Japan	601	71.1	2.4	17.7	8.3	0.4	73.5	75.1	72.0
Jordan	762	38.0	0.5	49.4	11.9	0.2	38.5	41.5	35.9
Korea, Rep. of	603	74.2	2.4	16.3	7.1	0.0	76.6	78.8	74.7
Kuwait	568	19.7	0.0	49.1	29.1	2.1	19.7	22.0	16.9
Lebanon	539	45.1	3.9	29.9	17.1	3.9	49.0	49.9	47.9
Lithuania	571	46.9	3.0	31.7	18.3	0.0	49.9	50.7	49.2
Malaysia	635	39.9	0.9	48.5	9.6	1.2	40.8	44.8	36.4
Malta	672	51.8	1.3	28.6	17.7	0.6	53.1	55.7	50.4
Morocco	454	14.2	0.0	38.7	45.3	1.9	14.2	13.0	15.9
Norway	658	26.2	1.3	40.5	31.6	0.4	27.5	29.7	25.4
Oman	680	18.3	0.8	68.3	11.4	1.2	19.1	25.7	12.3
Palestinian Nat'l Auth.	629	19.7	0.3	64.4	14.5	1.0	20.0	22.6	17.5
Qatar	1018	5.8	0.4	66.7	26.5	0.6	6.2	6.9	5.5
Romania	602	41.2	0.2	38.7	19.3	0.7	41.4	48.6	33.7
Russian Federation	638	54.9	7.3	24.6	11.4	1.8	62.2	64.4	60.0
Saudi Arabia	614	19.1	0.5	60.6	19.1	0.8	19.6	25.2	14.5
Scotland	565	44.7	2.5	29.7	23.0	0.1	47.1	51.6	42.6
Serbia	576	41.7	0.3	21.8	35.6	0.6	42.0	45.0	38.9
Singapore	654	66.7	3.3	24.5	5.3	0.2	70.0	70.7	69.3
Slovenia	584	46.5	1.5	37.1	14.9	0.0	48.0	49.7	46.4
Sweden	729	30.9	2.2	34.9	30.4	1.6	33.0	39.0	27.6
Syrian Arab Republic	672	25.4	0.1	45.3	28.1	1.2	25.5	22.0	29.0
Thailand	766	33.7	0.9	51.9	12.2	1.3	34.6	37.6	31.3
Tunisia	581	18.4	4.8	47.0	28.6	1.2	23.2	22.8	23.6
Turkey	647	18.7	1.3	39.8	39.4	0.8	20.0	20.9	19.2
Ukraine	631	33.9	5.0	36.8	23.5	0.9	38.9	34.8	44.0
United States	1037	42.5	1.1	46.0	9.7	0.8	43.6	42.4	44.7
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International Avg.	641	34.5	1.5	38.8	23.7	1.5	36.0	37.4	34.6
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Basque Country, Spain	331	36.5	0.7	28.0	33.4	1.4	37.1	37.1	37.2
British Columbia, Canada	602	44.3	3.2	35.3	16.8	0.4	47.5	48.8	46.2
Dubai, UAE	465	35.6	3.0	41.5	19.1	0.8	38.6	42.0	34.8
Massachusetts, US	278	58.2	2.7	29.8	9.3	0.0	60.9	58.0	63.6
Minnesota, US	247	54.3	2.4	36.7	6.6	0.0	56.7	56.6	56.8
Ontario, Canada	497	48.0	3.5	30.8	16.5	1.3	51.5	53.8	49.1
Quebec, Canada	573	55.8	2.1	24.6	16.6	0.9	57.9	58.2	57.5
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V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Data and Chance / Knowing (M042260 - M10_11)
 Label: How likely student had voted for Pat
 Type: MC Key: B

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	768	26.1	45.8	26.1	9.4	12.0	2.6	4.2	26.4	25.8
Armenia	679	36.4	39.5	36.4	9.2	6.2	5.1	3.5	37.6	35.2
Australia	580	83.6	10.3	83.6	4.0	0.4	0.8	0.9	82.4	84.8
Bahrain	598	53.1	28.9	53.1	8.6	6.9	1.7	0.9	55.6	50.6
Bosnia and Herzegovina	606	51.0	25.8	51.0	8.3	11.0	2.9	0.9	50.9	51.1
Botswana	601	46.4	26.8	46.4	9.0	8.4	1.9	7.5	46.1	46.8
Bulgaria	579	56.0	21.7	56.0	12.0	6.3	1.6	2.5	54.5	57.4
Chinese Taipei	572	88.5	7.5	88.5	2.4	1.1	0.5	0.0	87.5	89.4
Colombia	695	40.3	34.4	40.3	11.3	7.2	0.4	6.3	38.5	42.5
Cyprus	622	66.6	18.0	66.6	8.8	5.6	0.8	0.1	68.9	64.0
Czech Republic	693	73.9	13.2	73.9	8.8	2.5	0.9	0.7	75.7	72.4
Egypt	928	42.5	33.2	42.5	11.2	11.1	1.5	0.6	44.0	41.0
El Salvador	576	36.1	28.8	36.1	13.5	14.9	1.3	5.2	37.0	35.2
England	570	87.0	11.0	87.0	1.3	0.5	0.1	0.1	85.1	89.2
Georgia	575	37.4	24.2	37.4	22.8	8.5	3.0	4.2	38.8	35.7
Ghana	759	46.0	25.2	46.0	11.7	9.1	4.1	3.9	48.9	43.5
Hong Kong SAR	502	80.6	11.2	80.6	5.4	2.2	0.5	0.0	81.1	80.1
Hungary	600	72.9	9.1	72.9	15.8	0.8	0.4	0.9	74.2	71.7
Indonesia	590	36.2	52.0	36.2	7.3	1.8	1.0	1.7	39.0	33.0
Iran, Islamic Rep. of	575	48.4	23.4	48.4	15.9	10.8	0.8	0.8	48.5	48.3
Israel	460	68.2	15.3	68.2	9.1	2.9	1.4	3.1	65.0	72.1
Italy	628	73.3	14.7	73.3	6.7	2.3	1.7	1.3	73.3	73.3
Japan	601	81.9	8.2	81.9	7.2	2.0	0.3	0.4	83.4	80.5
Jordan	762	49.7	31.2	49.7	10.2	6.4	2.0	0.4	54.4	45.4
Korea, Rep. of	603	95.5	1.9	95.5	1.4	1.2	0.0	0.0	96.9	94.1
Kuwait	568	31.9	40.6	31.9	11.6	10.4	3.1	2.2	31.9	32.1
Lebanon	529	41.0	23.1	41.0	18.4	9.6	3.8	4.1	40.7	41.3
Lithuania	571	87.0	6.4	87.0	5.2	1.0	0.3	0.0	86.3	87.7
Malaysia	635	34.7	55.1	34.7	5.9	3.1	0.0	1.2	37.1	32.0
Malta	672	64.4	25.0	64.4	6.3	2.5	1.1	0.7	63.1	65.7
Morocco	452	28.1	41.5	28.1	14.4	12.8	1.4	1.8	30.2	25.2
Norway	658	77.5	9.3	77.5	8.5	3.4	0.8	0.4	81.7	73.5
Oman	680	46.3	29.9	46.3	14.7	7.2	0.5	1.3	50.6	41.9
Palestinian Nat'l Auth.	628	39.2	36.7	39.2	12.1	10.0	1.0	1.0	38.0	40.4
Qatar	1018	33.4	33.4	33.4	19.5	11.8	1.3	0.6	34.8	32.1
Romania	602	63.8	23.9	63.8	8.5	2.4	0.7	0.7	71.0	56.2
Russian Federation	638	59.5	16.9	59.5	14.7	4.7	2.3	1.9	61.5	57.4
Saudi Arabia	613	47.8	26.4	47.8	8.2	16.3	0.5	0.8	49.6	46.2
Scotland	565	79.5	15.5	79.5	3.1	1.2	0.4	0.3	79.8	79.2
Serbia	572	52.9	27.4	52.9	9.3	7.6	1.9	0.8	51.3	54.7
Singapore	654	68.2	25.7	68.2	4.0	1.4	0.4	0.2	66.3	70.1
Slovenia	584	70.0	22.7	70.0	5.7	1.1	0.5	0.0	69.9	70.1
Sweden	729	75.8	14.9	75.8	4.1	1.7	1.4	2.0	75.2	76.3
Syrian Arab Republic	672	47.6	31.3	47.6	9.8	8.1	1.8	1.4	49.7	45.5
Thailand	766	51.3	34.0	51.3	8.7	3.9	0.9	1.3	55.8	46.4
Tunisia	580	35.2	44.5	35.2	11.1	6.4	1.5	1.3	34.9	35.5
Turkey	647	65.1	22.6	65.1	4.9	5.7	0.9	0.8	71.1	59.9
Ukraine	631	62.4	17.8	62.4	13.3	4.9	0.8	0.9	61.2	63.7
United States	1037	77.8	14.5	77.8	4.1	1.4	1.5	0.8	77.2	78.4
International Avg.	641	57.5	24.5	57.5	9.3	5.7	1.4	1.6	58.4	56.6
Basque Country, Spain	331	78.1	14.2	78.1	4.8	1.0	0.5	1.4	78.3	77.9
British Columbia, Canada	602	82.7	9.5	82.7	4.6	1.3	1.5	0.4	85.1	80.4
Dubai, UAE	465	52.7	31.4	52.7	7.4	5.8	1.9	0.8	52.2	53.2
Massachusetts, US	278	85.5	10.0	85.5	2.6	0.3	1.6	0.0	83.9	87.0
Minnesota, US	247	83.8	14.0	83.8	0.0	0.2	2.0	0.0	83.9	83.8
Ontario, Canada	497	86.7	7.4	86.7	2.1	1.1	1.4	1.3	90.2	83.3
Quebec, Canada	573	82.6	8.1	82.6	5.7	1.3	1.4	0.9	84.1	81.0

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Data and Chance / Knowing (M042169A - M10_12A)

Label: Mean number of staff members

Type: CR Key: -

COUNTRY	N	10	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	753	9.5	61.8	23.8	4.9	9.5	11.4	7.7
Armenia	679	48.0	33.3	15.3	3.5	48.0	49.1	46.8
Australia	580	34.5	55.6	8.9	0.9	34.5	34.9	34.1
Bahrain	598	16.5	67.6	14.7	1.1	16.5	16.5	16.6
Bosnia and Herzegovina	606	39.0	36.2	24.0	0.9	39.0	41.9	36.3
Botswana	601	6.8	79.4	5.4	8.4	6.8	8.6	4.8
Bulgaria	579	30.1	48.8	18.6	2.5	30.1	30.5	29.8
Chinese Taipei	572	71.7	22.6	5.7	0.0	71.7	71.9	71.5
Colombia	694	4.9	71.5	17.1	6.5	4.9	2.3	8.0
Cyprus	622	46.8	37.5	15.6	0.1	46.8	51.2	42.0
Czech Republic	693	56.4	34.7	8.1	0.8	56.4	56.5	56.4
Egypt	932	18.5	70.5	10.0	0.9	18.5	21.4	15.8
El Salvador	576	5.7	73.3	15.7	5.2	5.7	6.4	5.0
England	570	53.2	43.6	3.2	0.1	53.2	50.1	56.9
Georgia	575	23.6	45.1	27.2	4.2	23.6	23.7	23.5
Ghana	759	8.8	71.5	15.0	4.7	8.8	5.9	11.3
Hong Kong SAR	502	76.9	18.3	4.8	0.0	76.9	81.2	73.0
Hungary	600	60.4	29.0	9.7	0.9	60.4	66.9	54.5
Indonesia	591	27.2	60.2	10.7	1.9	27.2	32.3	21.2
Iran, Islamic Rep. of	574	37.9	49.4	11.9	0.8	37.9	37.8	37.9
Israel	460	49.6	36.4	10.7	3.3	49.6	49.3	50.2
Italy	629	36.5	38.3	23.6	1.6	36.5	36.5	36.6
Japan	601	84.3	13.2	2.0	0.4	84.3	84.1	84.5
Jordan	762	28.7	67.2	3.6	0.4	28.7	31.4	26.2
Korea, Rep. of	603	81.6	15.5	2.9	0.0	81.6	84.4	79.0
Kuwait	568	2.4	70.9	24.2	2.5	2.4	2.0	2.9
Lebanon	539	20.1	55.3	20.1	4.5	20.1	17.6	23.2
Lithuania	571	71.9	23.2	4.9	0.0	71.9	75.1	68.7
Malaysia	635	11.3	80.0	7.5	1.2	11.3	12.8	9.7
Malta	672	39.0	51.6	8.6	0.7	39.0	41.4	36.5
Morocco	454	6.2	57.3	34.4	2.1	6.2	6.3	6.1
Norway	658	65.3	28.6	5.7	0.4	65.3	66.2	64.4
Oman	680	27.4	63.9	7.2	1.5	27.4	40.0	14.3
Palestinian Nat'l Auth.	629	26.1	65.9	6.9	1.0	26.1	33.2	19.0
Qatar	1018	9.2	69.7	20.3	0.8	9.2	13.1	5.3
Romania	602	24.4	62.0	12.9	0.8	24.4	22.9	26.0
Russian Federation	638	51.7	34.4	12.0	1.9	51.7	53.2	50.2
Saudi Arabia	614	2.2	84.9	12.0	0.8	2.2	2.7	1.8
Scotland	565	44.3	45.0	10.4	0.3	44.3	47.4	41.1
Serbia	576	43.3	34.8	21.0	0.9	43.3	42.1	44.4
Singapore	654	74.6	23.5	1.7	0.2	74.6	78.3	71.1
Slovenia	584	40.7	56.7	2.6	0.0	40.7	35.1	45.9
Sweden	729	58.4	31.1	8.1	2.3	58.4	61.7	55.5
Syrian Arab Republic	672	22.0	65.4	11.1	1.6	22.0	21.4	22.6
Thailand	766	23.8	55.5	19.0	1.8	23.8	26.0	21.3
Tunisia	580	4.8	83.8	9.9	1.4	4.8	3.3	6.6
Turkey	647	31.1	46.3	21.8	0.8	31.1	31.4	30.8
Ukraine	631	50.0	37.9	11.2	0.9	50.0	51.5	48.1
United States	1037	64.1	31.9	3.0	1.0	64.1	64.9	63.3
International Avg.	641	36.2	49.8	12.3	1.7	36.2	37.5	34.9
Basque Country, Spain	331	45.6	43.4	9.5	1.4	45.6	38.5	52.3
British Columbia, Canada	602	34.0	54.6	10.7	0.6	34.0	34.5	33.5
Dubai, UAE	465	28.8	57.6	12.8	0.8	28.8	29.3	28.1
Massachusetts, US	278	79.0	19.1	1.9	0.0	79.0	81.3	76.8
Minnesota, US	247	73.9	23.6	2.5	0.0	73.9	73.4	74.4
Ontario, Canada	497	58.3	34.9	5.4	1.3	58.3	57.9	58.7
Quebec, Canada	573	70.6	23.2	4.8	1.3	70.6	69.3	72.2

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Data and Chance / Knowing (M042169B - M10_12B)

Label: Median number of staff members

Type: CR Key: -

COUNTRY	N	10	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	753	9.8	56.9	16.2	17.1	9.8	9.3	10.2
Armenia	679	43.3	34.1	12.1	10.6	43.3	42.7	43.9
Australia	580	36.5	47.6	12.5	3.3	36.5	42.1	30.8
Bahrain	598	12.6	63.6	16.6	7.2	12.6	10.3	14.8
Bosnia and Herzegovina	.	.	.	.	.	.	.	.
Botswana	601	32.7	52.1	2.8	12.3	32.7	38.0	26.9
Bulgaria	579	3.9	48.8	35.5	11.8	3.9	4.9	2.9
Chinese Taipei	572	36.8	52.7	8.7	1.7	36.8	41.8	31.8
Colombia	694	9.4	58.1	15.6	16.8	9.4	10.3	8.4
Cyprus	622	7.2	59.4	27.5	6.0	7.2	5.1	9.5
Czech Republic	693	4.2	45.6	45.2	4.9	4.2	4.1	4.3
Egypt	932	33.5	51.9	9.3	5.4	33.5	36.5	30.5
El Salvador	576	5.3	66.4	14.3	14.0	5.3	7.0	3.4
England	570	62.8	31.1	4.2	1.8	62.8	64.3	61.0
Georgia	575	8.4	39.6	35.7	16.2	8.4	9.7	6.9
Ghana	759	37.3	40.0	10.9	11.8	37.3	32.5	41.5
Hong Kong SAR	502	17.0	75.8	6.2	0.9	17.0	16.6	17.4
Hungary	600	5.7	37.0	50.2	7.1	5.7	8.4	3.3
Indonesia	591	3.5	73.6	15.3	7.5	3.5	4.3	2.6
Iran, Islamic Rep. of	574	4.1	67.1	22.0	6.8	4.1	4.5	3.7
Israel	460	14.4	55.7	22.5	7.4	14.4	15.0	13.9
Italy	629	17.1	35.5	33.3	14.0	17.1	20.5	14.4
Japan	601	26.4	61.8	9.6	2.2	26.4	28.5	24.5
Jordan	762	23.8	67.3	7.0	1.9	23.8	20.4	26.9
Korea, Rep. of	603	10.7	81.7	6.7	1.0	10.7	10.1	11.1
Kuwait	568	19.6	53.5	15.0	12.0	19.6	23.8	14.5
Lebanon	539	8.7	61.7	14.7	14.9	8.7	8.5	8.8
Lithuania	571	45.0	27.1	25.6	2.3	45.0	51.3	38.8
Malaysia	635	10.9	75.5	8.8	4.8	10.9	9.2	12.7
Malta	672	43.6	44.3	8.5	3.5	43.6	44.9	42.3
Morocco	454	2.3	51.1	28.9	17.6	2.3	2.0	2.7
Norway	658	51.9	31.4	14.1	2.6	51.9	59.2	44.8
Oman	680	35.3	53.2	5.9	5.6	35.3	46.3	23.7
Palestinian Nat'l Auth.	629	18.9	67.0	10.0	4.1	18.9	22.1	15.7
Qatar	1018	5.5	72.8	13.0	8.8	5.5	7.9	3.1
Romania	602	8.8	58.5	26.8	5.9	8.8	8.1	9.5
Russian Federation	638	4.9	55.7	32.5	6.9	4.9	6.3	3.5
Saudi Arabia	614	11.7	70.1	10.4	7.7	11.7	12.8	10.7
Scotland	565	45.8	37.7	12.8	3.7	45.8	50.7	40.8
Serbia	.	.	.	.	.	.	.	.
Singapore	654	48.2	48.9	2.5	0.4	48.2	49.0	47.4
Slovenia	584	2.7	72.6	23.5	1.2	2.7	2.7	2.6
Sweden	729	39.1	38.3	16.9	5.7	39.1	43.7	35.0
Syrian Arab Republic	672	26.3	56.0	10.7	7.0	26.3	30.3	22.2
Thailand	766	6.7	58.0	24.3	10.9	6.7	7.8	5.6
Tunisia	580	8.1	74.5	9.1	8.3	8.1	9.8	6.1
Turkey	647	36.2	34.7	20.9	8.2	36.2	41.1	31.9
Ukraine	631	2.1	50.2	41.7	6.0	2.1	2.6	1.4
United States	1037	78.7	16.7	3.0	1.7	78.7	80.1	77.3
International Avg.	644	21.9	53.5	17.4	7.2	21.9	23.6	20.1
Basque Country, Spain	331	14.2	54.1	27.3	4.4	14.2	11.6	16.8
British Columbia, Canada	602	43.0	44.0	7.8	5.3	43.0	46.0	40.1
Dubai, UAE	465	30.7	52.7	11.4	5.2	30.7	28.3	33.3
Massachusetts, US	278	90.2	8.3	0.8	0.8	90.2	90.9	89.5
Minnesota, US	247	86.2	10.7	2.5	0.6	86.2	87.5	84.9
Ontario, Canada	497	73.2	19.1	4.3	3.5	73.2	76.8	69.6
Quebec, Canada	573	10.2	59.3	27.1	3.4	10.2	8.9	11.6

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Data and Chance / Applying (M042169C - M10_12C)
 Label: Change in mean and median
 Type: CR Key: -

COUNTRY	N	10	70	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	756	0.5	0.6	35.0	44.1	19.8	0.5	0.7	0.2
Armenia	680	8.5	4.0	22.3	52.2	13.1	8.5	7.1	9.9
Australia	580	17.6	19.3	37.0	20.0	6.1	17.6	18.5	16.5
Bahrain	598	4.6	8.6	54.9	22.1	9.8	4.6	2.8	6.3
Bosnia and Herzegovina	606	3.7	6.3	23.3	43.8	22.9	3.7	3.2	4.1
Botswana	601	2.1	4.3	58.4	21.5	13.7	2.1	3.5	0.5
Bulgaria	579	1.3	8.6	32.4	38.0	19.7	1.3	2.0	0.7
Chinese Taipei	572	18.6	43.4	21.7	12.8	3.5	18.6	21.3	15.9
Colombia	694	1.5	3.9	48.9	25.2	20.4	1.5	0.8	2.3
Cyprus	622	3.8	7.8	54.5	23.0	10.8	3.8	4.5	3.1
Czech Republic	693	3.4	12.0	46.4	24.3	13.9	3.4	3.5	3.2
Egypt	932	6.8	4.3	53.4	28.0	7.5	6.8	7.8	5.9
El Salvador	576	0.4	1.6	46.5	33.0	18.5	0.4	0.3	0.4
England	570	39.8	20.8	25.3	11.6	2.5	39.8	38.5	41.3
Georgia	575	1.2	3.2	25.7	45.7	24.2	1.2	1.8	0.4
Ghana	759	2.3	2.2	33.1	48.4	14.0	2.3	2.3	2.3
Hong Kong SAR	502	7.0	58.7	18.2	14.0	2.1	7.0	4.9	8.9
Hungary	600	4.8	14.5	44.4	21.3	15.0	4.8	6.1	3.5
Indonesia	591	3.4	6.3	59.7	18.8	11.8	3.4	4.0	2.7
Iran, Islamic Rep. of	574	0.9	12.7	47.7	26.3	12.4	0.9	1.0	0.9
Israel	460	6.9	16.2	31.6	31.2	14.2	6.9	6.2	7.6
Italy	629	11.4	7.9	28.2	32.8	19.7	11.4	13.0	10.1
Japan	601	5.5	34.5	43.0	11.1	5.9	5.5	7.6	3.5
Jordan	762	11.0	7.1	59.6	18.0	4.2	11.0	10.1	11.8
Korea, Rep. of	603	4.5	67.3	20.8	5.7	1.6	4.5	4.3	4.6
Kuwait	568	0.1	0.3	43.0	42.6	14.0	0.1	0.0	0.3
Lebanon	539	2.5	5.7	38.9	35.7	17.2	2.5	2.8	2.0
Lithuania	571	25.3	12.6	26.8	24.1	11.3	25.3	30.0	20.6
Malaysia	635	2.7	8.9	53.1	27.8	7.5	2.7	2.8	2.5
Malta	671	17.1	13.6	39.3	24.8	5.2	17.1	18.4	15.8
Morocco	454	0.0	1.5	27.5	49.9	21.1	0.0	0.0	0.0
Norway	658	32.2	9.9	33.3	18.9	5.7	32.2	35.6	28.9
Oman	680	10.8	6.0	58.5	18.2	6.5	10.8	15.3	6.1
Palestinian Nat'l Auth.	629	4.2	6.3	60.0	23.3	6.2	4.2	5.4	3.0
Qatar	1018	0.5	1.5	50.0	38.4	9.6	0.5	0.8	0.2
Romania	602	2.4	10.2	32.3	40.6	14.5	2.4	1.7	3.1
Russian Federation	638	2.4	22.4	23.0	35.2	17.0	2.4	2.8	2.0
Saudi Arabia	614	2.4	1.9	59.6	25.8	10.4	2.4	3.6	1.2
Scotland	565	25.7	17.4	28.3	23.0	5.5	25.7	26.2	25.2
Serbia	576	0.7	17.9	26.2	35.7	19.5	0.7	0.5	0.9
Singapore	654	40.1	25.4	26.9	7.1	0.6	40.1	43.5	36.9
Slovenia	584	26.3	7.8	43.0	18.1	4.7	26.3	23.9	28.6
Sweden	729	27.9	13.7	32.6	17.7	8.1	27.9	31.2	25.0
Syrian Arab Republic	672	11.7	1.3	36.2	41.1	9.7	11.7	9.2	14.2
Thailand	766	2.5	9.6	41.4	30.9	15.6	2.5	4.2	0.7
Tunisia	580	2.1	5.7	53.2	27.5	11.5	2.1	1.7	2.5
Turkey	647	9.4	8.6	38.8	31.7	11.5	9.4	10.3	8.6
Ukraine	631	1.7	12.6	38.5	32.2	15.0	1.7	2.6	0.6
United States	1037	40.9	13.8	35.6	7.5	2.1	40.9	40.3	41.5
International Avg.	641	9.4	12.5	39.1	27.6	11.4	9.4	10.0	8.9
Basque Country, Spain	331	6.0	15.4	51.6	19.0	8.0	6.0	6.3	5.8
British Columbia, Canada	602	22.0	17.9	37.4	16.3	6.4	22.0	25.7	18.5
Dubai, UAE	465	13.1	9.3	41.1	29.5	7.0	13.1	12.5	13.9
Massachusetts, US	278	60.2	10.9	23.8	4.3	0.8	60.2	60.8	59.6
Minnesota, US	247	48.0	17.7	30.5	3.4	0.6	48.0	47.9	48.1
Ontario, Canada	497	44.7	10.4	28.1	12.2	4.7	44.7	47.4	41.9
Quebec, Canada	573	5.4	24.2	47.6	11.4	11.5	5.4	4.6	6.2

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Algebra / Applying (M032352 - M11_01)
 Label: The shadow lengths of four bushes
 Type: MC Key: C

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	760	46.9	10.9	17.8	46.9	18.3	6.0	0.1	46.3	47.5
Armenia	674	50.3	10.2	10.1	50.3	11.9	17.4	0.2	49.4	51.2
Australia	582	66.3	8.7	13.1	66.3	10.4	1.4	0.0	61.3	70.9
Bahrain	596	48.3	13.3	18.0	48.3	17.3	3.2	0.0	47.2	49.3
Bosnia and Herzegovina	599	51.8	11.4	14.9	51.8	13.0	8.9	0.1	52.1	51.5
Botswana	604	52.1	12.4	16.5	52.1	13.9	5.0	0.0	47.5	57.3
Bulgaria	569	54.6	13.4	19.6	54.6	7.4	3.9	1.2	51.4	57.7
Chinese Taipei	574	81.1	7.0	7.6	81.1	4.3	0.0	0.0	79.0	83.1
Colombia	697	43.5	17.4	19.4	43.5	17.6	2.0	0.2	38.1	49.8
Cyprus	620	59.9	8.6	17.6	59.9	13.2	0.8	0.0	60.6	59.1
Czech Republic	687	67.7	7.5	14.5	67.7	8.8	1.4	0.0	67.5	67.9
Egypt	940	50.7	11.4	19.6	50.7	15.2	3.0	0.1	49.0	52.4
El Salvador	589	40.5	19.3	21.7	40.5	15.0	3.3	0.2	38.8	42.5
England	584	74.8	4.3	11.6	74.8	8.7	0.4	0.1	72.5	77.4
Georgia	587	49.5	12.4	16.1	49.5	13.4	8.4	0.2	45.7	53.5
Ghana	762	54.2	15.9	14.9	54.2	11.5	3.4	0.1	51.6	56.4
Hong Kong SAR	494	76.9	6.2	12.3	76.9	4.0	0.6	0.0	76.4	77.4
Hungary	593	63.1	7.1	16.9	63.1	9.9	2.9	0.0	59.2	66.6
Indonesia	592	50.1	14.6	17.2	50.1	17.1	0.9	0.0	49.0	51.5
Iran, Islamic Rep. of	578	46.4	10.7	22.6	46.4	18.1	2.2	0.0	44.3	48.3
Israel	459	57.7	9.4	14.1	57.7	13.3	3.9	1.6	55.2	60.8
Italy	625	59.3	7.5	17.7	59.3	11.8	3.3	0.3	53.9	64.4
Japan	612	80.4	4.8	8.7	80.4	5.9	0.2	0.0	77.4	83.4
Jordan	768	55.0	14.1	16.6	55.0	10.9	3.3	0.0	55.2	54.8
Korea, Rep. of	603	83.6	3.3	8.2	83.6	4.6	0.3	0.0	84.8	82.5
Kuwait	570	40.4	12.5	23.3	40.4	17.6	5.2	1.0	37.3	44.1
Lebanon	538	65.7	8.0	14.9	65.7	6.9	3.8	0.7	65.3	66.3
Lithuania	573	66.9	7.6	12.1	66.9	10.0	3.3	0.0	66.1	67.7
Malaysia	638	70.8	9.8	13.0	70.8	6.2	0.2	0.1	72.3	69.3
Malta	666	65.9	5.7	14.3	65.9	9.5	4.4	0.1	66.4	65.4
Morocco	463	47.1	12.4	21.3	47.1	14.6	4.0	0.6	40.9	54.8
Norway	663	60.4	5.8	18.5	60.4	13.6	1.7	0.0	56.8	63.7
Oman	687	47.2	16.7	21.9	47.2	10.5	3.5	0.1	45.4	49.1
Palestinian Nat'l Auth.	633	48.0	17.4	17.4	48.0	16.3	1.0	0.0	47.6	48.4
Qatar	1013	43.5	14.7	24.6	43.5	15.0	2.0	0.2	46.6	40.5
Romania	602	56.0	17.2	14.6	56.0	10.8	1.3	0.1	54.7	57.4
Russian Federation	626	62.4	10.9	14.2	62.4	10.6	1.9	0.0	63.3	61.4
Saudi Arabia	620	43.3	12.7	21.8	43.3	19.4	2.9	0.0	43.0	43.5
Scotland	571	66.3	7.3	15.5	66.3	9.6	1.3	0.0	64.3	68.2
Serbia	576	60.6	10.2	14.7	60.6	9.6	4.9	0.0	61.1	60.1
Singapore	654	80.7	3.9	9.5	80.7	5.4	0.5	0.0	83.0	78.5
Slovenia	575	72.3	6.7	13.7	72.3	6.7	0.5	0.0	69.1	75.4
Sweden	715	68.9	7.0	12.7	68.9	9.2	2.0	0.2	67.2	70.3
Syrian Arab Republic	663	49.4	9.7	22.5	49.4	16.0	1.8	0.7	48.5	50.2
Thailand	768	56.3	12.4	21.0	56.3	9.2	0.8	0.2	57.4	55.2
Tunisia	583	44.9	10.6	21.9	44.9	19.9	2.8	0.0	42.8	47.3
Turkey	648	56.3	15.5	15.5	56.3	11.2	1.6	0.0	54.3	58.3
Ukraine	629	51.0	13.1	19.3	51.0	14.8	1.9	0.0	47.5	55.1
United States	1050	68.8	8.4	15.4	68.8	6.7	0.6	0.0	66.8	70.7
International Avg.	642	58.3	10.6	16.3	58.3	11.7	2.9	0.2	56.8	60.0
Basque Country, Spain	332	72.9	5.9	11.7	72.9	6.3	3.1	0.0	71.7	74.1
British Columbia, Canada	603	65.7	6.1	16.9	65.7	9.6	1.4	0.2	63.8	67.7
Dubai, UAE	470	61.9	11.0	12.8	61.9	10.6	3.6	0.0	61.7	62.2
Massachusetts, US	281	77.7	3.4	8.2	77.7	7.9	2.8	0.0	76.4	79.0
Minnesota, US	243	77.2	6.5	8.8	77.2	7.0	0.5	0.0	75.9	78.4
Ontario, Canada	486	64.9	10.9	14.9	64.9	7.9	1.0	0.3	62.2	67.7
Quebec, Canada	543	72.0	6.4	9.6	72.0	9.3	2.6	0.1	72.2	71.8

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Number / Knowing (M032725 - M11_02)
 Label: Write 3 5/6 in decimal form
 Type: CR Key: -

COUNTRY	N	10	70	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	754	12.7	1.3	68.8	17.0	0.3	12.7	15.6	9.9
Armenia	674	48.7	1.0	30.9	19.1	0.2	48.7	49.1	48.3
Australia	582	26.2	20.2	45.7	7.6	0.4	26.2	24.5	27.7
Bahrain	596	4.1	5.2	74.6	16.1	0.0	4.1	4.0	4.1
Bosnia and Herzegovina	599	38.3	3.7	43.0	14.9	0.1	38.3	40.8	35.7
Botswana	604	3.6	5.6	87.0	3.7	0.0	3.6	3.1	4.2
Bulgaria	569	32.1	3.6	40.8	22.1	1.3	32.1	35.9	28.4
Chinese Taipei	574	58.1	0.2	34.7	7.1	0.0	58.1	65.5	51.0
Colombia	697	1.4	7.0	63.0	28.4	0.2	1.4	1.1	1.8
Cyprus	620	6.9	4.3	62.2	26.6	0.0	6.9	6.9	6.8
Czech Republic	687	27.5	9.0	48.7	14.7	0.0	27.5	27.2	27.8
Egypt	942	8.0	3.3	77.6	11.0	0.1	8.0	10.4	5.6
El Salvador	589	2.6	5.5	58.2	33.4	0.2	2.6	1.4	4.0
England	584	20.2	15.9	53.2	10.7	0.1	20.2	15.4	25.5
Georgia	587	22.3	3.5	43.9	30.1	0.2	22.3	22.1	22.5
Ghana	762	5.6	4.4	69.6	20.3	0.1	5.6	4.3	6.7
Hong Kong SAR	494	70.8	0.4	24.2	4.6	0.0	70.8	73.9	67.9
Hungary	593	33.1	7.4	45.2	14.2	0.0	33.1	36.7	30.1
Indonesia	591	13.9	1.5	67.7	16.9	0.0	13.9	15.9	11.3
Iran, Islamic Rep. of	578	4.4	4.0	64.0	27.5	0.1	4.4	5.5	3.6
Israel	459	17.5	5.8	45.0	30.2	1.6	17.5	19.2	15.7
Italy	625	23.1	0.6	43.0	33.0	0.3	23.1	24.2	22.0
Japan	612	44.7	0.4	43.8	11.1	0.0	44.7	42.8	46.6
Jordan	768	18.2	3.7	69.5	8.6	0.0	18.2	20.7	15.9
Korea, Rep. of	603	66.3	0.0	29.2	4.5	0.0	66.3	66.1	66.5
Kuwait	570	0.0	3.1	73.2	22.7	1.0	0.0	0.0	0.0
Lebanon	538	5.4	0.4	66.2	27.4	0.7	5.4	4.5	6.6
Lithuania	573	27.7	5.5	49.6	17.2	0.0	27.7	32.4	23.4
Malaysia	638	34.3	4.0	56.1	5.5	0.1	34.3	40.9	26.8
Malta	664	38.1	4.4	44.8	12.6	0.1	38.1	41.8	34.1
Morocco	462	11.2	1.0	40.5	46.7	0.6	11.2	9.6	13.2
Norway	663	22.6	6.9	58.1	12.5	0.0	22.6	23.3	21.8
Oman	687	4.3	5.1	82.1	8.4	0.1	4.3	7.5	1.0
Palestinian Nat'l Auth.	633	10.8	3.8	77.9	7.5	0.0	10.8	13.5	8.0
Qatar	1013	2.0	4.8	77.2	15.7	0.3	2.0	1.2	2.7
Romania	602	15.4	1.4	67.4	15.7	0.1	15.4	17.5	13.0
Russian Federation	626	32.3	1.4	50.1	16.2	0.0	32.3	34.8	29.4
Saudi Arabia	620	0.9	7.0	73.8	18.3	0.0	0.9	0.5	1.3
Scotland	571	16.6	16.6	49.1	17.7	0.0	16.6	16.6	16.7
Serbia	578	43.4	0.9	37.4	18.3	0.0	43.4	48.0	38.6
Singapore	654	63.7	6.0	27.7	2.6	0.0	63.7	64.7	62.7
Slovenia	575	22.5	11.5	60.0	6.0	0.0	22.5	21.5	23.5
Sweden	715	31.6	5.0	46.6	16.6	0.2	31.6	32.1	31.1
Syrian Arab Republic	663	10.6	3.4	59.7	25.6	0.7	10.6	10.5	10.6
Thailand	768	20.0	10.8	56.0	12.9	0.2	20.0	22.7	17.3
Tunisia	.	.	.	.	.	.	.	.	.
Turkey	648	6.0	4.7	66.3	23.0	0.0	6.0	7.5	4.6
Ukraine	629	14.7	1.5	61.5	22.3	0.0	14.7	13.9	15.8
United States	1050	30.8	8.7	55.8	4.7	0.0	30.8	29.6	31.9
International Avg.	643	22.4	4.9	55.6	16.9	0.2	22.4	23.5	21.3
Basque Country, Spain	332	8.3	1.4	74.4	15.9	0.0	8.3	8.4	8.1
British Columbia, Canada	603	33.5	6.8	50.1	9.4	0.2	33.5	29.8	37.3
Dubai, UAE	470	30.1	3.0	52.4	14.4	0.1	30.1	29.1	31.0
Massachusetts, US	281	40.2	5.0	50.4	4.4	0.0	40.2	38.8	41.6
Minnesota, US	243	33.0	7.0	56.9	3.1	0.0	33.0	36.6	29.8
Ontario, Canada	486	36.4	10.4	40.1	12.7	0.3	36.4	39.6	33.1
Quebec, Canada	543	28.7	4.3	52.7	14.2	0.1	28.7	28.9	28.6

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Algebra / Knowing (M032683 - M11_03)
 Label: Simplify 3x/8 plus x/4 plus x/2
 Type: CR Key: -

COUNTRY	N	20	10	11	70	71	79	OMIT TED	NOT REACH ED	V1	V2	1.GIRL %Right	2.BOY %Right
Algeria	764	3.3	2.4	0.7	1.1	3.7	55.6	32.8	0.3	6.5	3.3	3.9	2.8
Armenia	672	23.9	47.6	0.7	1.9	0.1	10.1	15.6	0.2	72.2	23.9	26.2	21.3
Australia	582	9.3	0.3	2.4	16.9	17.3	31.1	22.5	0.4	11.9	9.3	7.6	10.8
Bahrain	596	9.4	1.6	4.1	13.3	22.1	30.0	19.5	0.0	15.1	9.4	14.0	5.0
Bosnia and Herzegovina	599	26.6	3.8	3.8	4.4	5.2	29.6	26.6	0.1	34.1	26.6	29.0	24.1
Botswana	604	3.2	0.2	1.4	14.2	16.0	59.2	6.0	0.0	4.7	3.2	2.3	4.3
Bulgaria	569	22.2	13.4	2.4	1.1	3.4	35.2	20.9	1.3	38.1	22.2	24.2	20.3
Chinese Taipei	574	65.8	1.5	5.7	1.5	0.5	14.6	10.4	0.0	73.1	65.8	66.2	65.4
Colombia	697	4.0	0.5	1.0	3.9	13.4	46.1	30.8	0.4	5.4	4.0	3.8	4.2
Cyprus	620	21.0	0.2	0.0	12.3	3.9	36.8	25.8	0.0	21.2	21.0	25.9	15.7
Czech Republic	687	26.4	4.7	4.8	6.8	6.1	31.4	19.7	0.1	35.8	26.4	30.2	22.6
Egypt	942	14.7	1.3	5.1	6.2	9.3	45.9	17.3	0.1	21.2	14.7	19.1	10.4
El Salvador	589	5.4	1.3	1.1	3.4	11.6	39.8	37.0	0.4	7.8	5.4	4.2	6.7
England	584	10.3	0.4	1.3	37.4	14.2	26.2	10.2	0.1	12.0	10.3	9.6	11.0
Georgia	585	17.0	5.4	2.4	7.6	5.2	21.4	40.7	0.2	24.8	17.0	18.9	15.0
Ghana	762	8.4	2.6	0.9	4.1	5.6	63.5	14.7	0.2	11.9	8.4	7.3	9.3
Hong Kong SAR	494	51.6	16.8	8.8	1.8	2.6	12.0	6.4	0.0	77.2	51.6	54.0	49.3
Hungary	593	37.0	2.5	16.4	4.7	4.0	19.9	15.6	0.0	55.8	37.0	39.8	34.5
Indonesia	593	13.2	4.1	0.1	2.6	3.5	56.7	19.8	0.0	17.4	13.2	13.7	12.5
Iran, Islamic Rep. of	578	9.0	0.5	4.3	1.7	6.7	43.5	34.3	0.1	13.8	9.0	9.4	8.8
Israel	459	5.9	9.4	1.8	4.5	0.7	51.0	25.1	1.6	17.1	5.9	5.9	5.9
Italy	625	19.9	8.1	1.2	1.0	1.2	29.6	38.7	0.3	29.1	19.9	21.5	18.4
Japan	612	64.0	4.0	4.3	1.8	3.0	15.2	7.7	0.0	72.3	64.0	65.2	62.8
Jordan	768	39.1	3.0	5.1	3.5	3.6	35.1	10.7	0.0	47.2	39.1	46.7	32.2
Korea, Rep. of	603	59.4	0.8	11.4	0.9	4.1	17.6	5.9	0.0	71.6	59.4	59.1	59.7
Kuwait	570	1.0	0.4	0.4	5.4	14.3	45.2	32.3	1.0	1.8	1.0	0.5	1.6
Lebanon	538	38.9	7.4	4.7	1.8	7.0	24.7	14.7	0.8	51.1	38.9	31.5	48.0
Lithuania	573	28.8	2.5	2.8	11.6	12.8	17.2	24.3	0.0	34.1	28.8	35.8	22.3
Malaysia	638	25.5	3.5	4.4	4.0	4.5	44.9	12.9	0.2	33.4	25.5	30.1	20.2
Malta	666	25.1	1.2	9.0	8.8	11.8	25.2	18.7	0.3	35.3	25.1	27.8	22.2
Morocco	463	3.1	0.8	0.0	0.8	2.4	42.3	50.0	0.6	4.0	3.1	1.5	5.1
Norway	663	2.9	0.7	2.4	6.4	11.6	38.9	37.1	0.0	6.0	2.9	3.5	2.4
Oman	687	6.0	1.0	1.8	16.9	23.3	40.3	10.7	0.1	8.8	6.0	9.2	2.5
Palestinian Nat'l Auth.	633	16.0	2.0	6.3	2.5	7.9	53.2	12.1	0.0	24.3	16.0	21.6	10.4
Qatar	1013	3.5	0.4	2.1	5.3	22.1	45.6	20.8	0.3	5.9	3.5	4.5	2.5
Romania	602	39.6	5.4	2.8	2.3	6.6	26.5	16.6	0.1	47.9	39.6	43.9	34.9
Russian Federation	626	26.2	20.0	4.3	2.2	5.6	25.6	16.3	0.0	50.4	26.2	30.0	21.8
Saudi Arabia	620	4.8	0.4	1.0	5.9	14.6	55.4	17.8	0.1	6.2	4.8	5.9	3.8
Scotland	571	7.6	0.2	1.2	19.9	17.3	22.0	31.7	0.0	9.0	7.6	7.7	7.6
Serbia	578	31.0	2.4	2.8	3.5	0.3	32.5	27.5	0.0	36.2	31.0	39.8	21.8
Singapore	654	72.4	1.9	4.7	2.3	2.2	11.3	5.2	0.0	79.0	72.4	74.0	70.8
Slovenia	575	25.4	0.3	5.4	10.2	12.0	31.1	15.6	0.0	31.1	25.4	26.9	23.9
Sweden	715	3.9	0.3	0.8	29.6	8.9	21.7	34.3	0.4	4.9	3.9	3.9	3.9
Syrian Arab Republic	663	11.6	9.2	3.7	3.7	4.6	41.8	24.7	0.8	24.4	11.6	12.0	11.2
Thailand	768	14.3	1.7	1.5	1.4	15.1	40.5	25.2	0.2	17.5	14.3	15.7	12.9
Tunisia	583	21.0	3.4	2.3	5.2	6.8	49.1	12.2	0.0	26.8	21.0	22.2	19.5
Turkey	648	31.6	3.0	5.6	1.5	3.4	31.5	23.4	0.0	40.2	31.6	36.5	26.8
Ukraine	629	20.0	5.8	2.0	7.5	10.5	27.8	26.4	0.0	27.8	20.0	21.7	18.0
United States	1050	18.4	1.6	5.6	15.4	19.8	28.6	10.7	0.0	25.6	18.4	18.7	18.1
International Avg.	642	21.4	4.3	3.4	6.8	8.4	34.3	21.1	0.2	29.2	21.4	23.1	19.7
Basque Country, Spain	332	18.9	1.0	2.1	6.1	2.9	48.0	20.9	0.0	22.0	18.9	18.3	19.4
British Columbia, Canada	603	11.7	1.8	9.2	14.9	9.7	28.6	23.9	0.2	22.7	11.7	12.5	10.9
Dubai, UAE	470	26.1	1.6	2.4	12.6	12.1	27.6	17.6	0.1	30.0	26.1	27.0	25.2
Massachusetts, US	281	25.5	3.6	4.6	17.7	15.1	20.3	13.2	0.0	33.7	25.5	29.9	21.1
Minnesota, US	243	17.4	4.3	3.3	19.5	21.4	28.1	5.9	0.0	25.1	17.4	19.9	15.2
Ontario, Canada	486	5.9	0.8	11.2	5.0	9.6	33.2	34.0	0.3	17.9	5.9	7.2	4.6
Quebec, Canada	543	31.2	2.9	10.5	15.7	7.8	18.2	13.6	0.1	44.5	31.2	36.5	26.1

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Algebra / Knowing (M032738 - M11_04)

Label: What xy plus 1 mean

Type: MC Key: D

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	773	43.5	15.8	14.8	21.2	43.5	4.5	0.3	49.5	38.0
Armenia	675	79.3	4.3	6.0	6.2	79.3	3.8	0.2	82.8	75.4
Australia	582	62.5	4.8	9.0	22.6	62.5	0.6	0.4	67.1	58.4
Bahrain	596	55.4	13.6	14.3	15.5	55.4	1.2	0.0	67.8	43.2
Bosnia and Herzegovina	598	76.1	3.1	9.9	8.0	76.1	2.8	0.1	80.0	72.3
Botswana	604	48.7	9.0	19.8	21.9	48.7	0.6	0.0	50.3	46.8
Bulgaria	569	66.5	3.8	14.7	10.0	66.5	3.0	1.9	70.4	62.7
Chinese Taipei	574	87.9	1.3	5.8	4.7	87.9	0.3	0.0	90.5	85.4
Colombia	697	40.3	6.9	22.7	28.1	40.3	1.6	0.4	39.3	41.5
Cyprus	620	74.9	4.0	8.8	11.5	74.9	0.7	0.0	79.1	70.6
Czech Republic	687	64.7	1.8	11.9	20.8	64.7	0.7	0.1	69.7	59.9
Egypt	943	47.7	7.4	23.4	19.5	47.7	1.8	0.1	51.0	44.4
El Salvador	589	33.4	6.9	14.7	42.1	33.4	2.3	0.4	35.9	30.6
England	584	72.8	5.5	7.5	13.6	72.8	0.6	0.1	73.0	72.5
Georgia	585	65.9	6.6	14.7	10.1	65.9	2.4	0.2	68.8	62.7
Ghana	762	31.8	13.1	24.7	28.1	31.8	2.2	0.2	30.9	32.5
Hong Kong SAR	494	89.6	2.1	5.1	3.0	89.6	0.2	0.0	91.6	87.6
Hungary	593	72.7	1.8	6.1	18.6	72.7	0.8	0.0	79.3	67.0
Indonesia	593	52.3	8.6	14.3	24.0	52.3	0.8	0.0	58.0	45.2
Iran, Islamic Rep. of	578	53.4	10.1	18.5	16.5	53.4	1.4	0.2	61.8	46.3
Israel	459	59.1	7.0	14.9	14.6	59.1	2.9	1.6	61.7	56.5
Italy	625	53.4	3.6	20.0	20.5	53.4	2.0	0.5	56.2	50.8
Japan	612	85.3	2.1	5.9	6.6	85.3	0.0	0.0	89.5	81.1
Jordan	768	71.1	5.1	7.2	16.3	71.1	0.3	0.0	77.2	65.5
Korea, Rep. of	603	88.9	0.8	4.8	5.4	88.9	0.2	0.0	91.0	86.9
Kuwait	570	50.9	12.3	15.7	16.5	50.9	3.5	1.2	56.9	43.9
Lebanon	538	57.6	2.9	19.5	17.7	57.6	1.4	0.8	57.2	58.2
Lithuania	573	83.0	2.3	7.7	6.7	83.0	0.3	0.0	86.2	80.0
Malaysia	638	58.2	3.7	15.6	21.7	58.2	0.6	0.2	63.1	52.6
Malta	666	72.5	4.7	11.1	7.9	72.5	3.4	0.3	78.0	66.6
Morocco	456	47.6	8.5	18.4	22.9	47.6	1.9	0.6	50.7	43.8
Norway	663	40.2	8.3	17.2	29.9	40.2	4.5	0.0	43.4	37.2
Oman	687	46.7	7.9	23.9	20.3	46.7	1.1	0.1	58.4	34.2
Palestinian Nat'l Auth.	633	47.8	7.2	18.0	25.9	47.8	1.1	0.0	58.4	37.1
Qatar	1013	26.7	15.6	29.3	27.3	26.7	0.8	0.3	29.1	24.5
Romania	602	71.6	3.3	14.2	9.6	71.6	1.1	0.1	80.3	62.1
Russian Federation	626	86.7	2.0	4.5	5.5	86.7	1.3	0.0	91.8	80.9
Saudi Arabia	620	30.4	9.3	27.2	30.9	30.4	2.1	0.1	35.5	25.8
Scotland	571	60.6	5.5	11.3	20.9	60.6	1.6	0.1	63.0	58.4
Serbia	574	81.6	2.3	9.5	5.4	81.6	1.1	0.1	83.2	80.0
Singapore	654	85.3	1.6	6.0	6.5	85.3	0.6	0.0	87.7	83.0
Slovenia	575	74.4	1.3	8.0	16.2	74.4	0.1	0.0	78.0	70.8
Sweden	715	55.2	4.4	15.8	21.5	55.2	2.6	0.4	62.4	49.0
Syrian Arab Republic	663	47.2	8.3	24.0	16.5	47.2	3.2	0.8	46.4	47.9
Thailand	768	64.8	5.1	7.1	22.2	64.8	0.7	0.2	71.9	57.3
Tunisia	583	65.6	5.3	11.6	15.2	65.6	2.0	0.2	68.6	62.0
Turkey	648	55.3	10.3	12.0	21.8	55.3	0.7	0.0	61.4	49.3
Ukraine	629	76.5	4.8	9.4	9.3	76.5	0.0	0.0	79.7	72.7
United States	1050	81.4	3.5	7.5	7.0	81.4	0.6	0.0	84.1	78.7
International Avg.	642	62.1	5.9	13.6	16.6	62.1	1.5	0.2	66.3	58.0
Basque Country, Spain	332	82.1	1.9	5.4	9.8	82.1	0.8	0.0	87.5	76.9
British Columbia, Canada	603	82.4	4.4	4.7	7.1	82.4	1.1	0.2	85.6	79.1
Dubai, UAE	470	71.5	4.3	9.7	12.7	71.5	1.3	0.5	73.2	69.8
Massachusetts, US	281	91.3	2.0	1.5	4.4	91.3	0.8	0.0	90.7	91.9
Minnesota, US	243	86.0	4.7	4.5	4.8	86.0	0.0	0.0	87.7	84.5
Ontario, Canada	486	83.6	3.9	5.6	6.0	83.6	0.7	0.3	84.3	82.8
Quebec, Canada	543	73.9	2.4	7.9	15.2	73.9	0.5	0.1	78.0	70.0

DIFF = Percent correct

Because of missing gender information, some totals may appear inconsistent.

Mathematics: Algebra / Knowing (M032295 - M11_05)
 Label: m boys and n girls in a parade
 Type: MC Key: A

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	773	50.3	50.3	27.2	12.3	5.3	4.7	0.3	55.1	46.0
Armenia	674	80.1	80.1	8.3	6.0	1.8	3.5	0.4	85.5	74.0
Australia	582	69.3	69.3	23.0	4.7	2.1	0.6	0.4	69.7	69.0
Bahrain	596	67.4	67.4	16.7	8.8	5.4	1.7	0.0	81.7	53.4
Bosnia and Herzegovina	599	80.5	80.5	11.8	3.3	1.6	2.8	0.1	82.4	78.6
Botswana	604	61.9	61.9	26.9	7.1	3.0	0.8	0.2	64.5	58.9
Bulgaria	569	74.8	74.8	11.8	5.1	3.4	2.9	2.0	76.3	73.2
Chinese Taipei	574	88.7	88.7	8.0	1.3	1.5	0.5	0.0	90.4	87.1
Colombia	697	57.9	57.9	27.8	8.3	4.2	1.5	0.4	54.3	62.1
Cyprus	620	86.8	86.8	7.7	3.4	1.8	0.3	0.0	91.0	82.3
Czech Republic	687	86.1	86.1	10.3	1.3	1.0	1.1	0.1	90.8	81.5
Egypt	941	56.9	56.9	19.7	12.7	8.8	1.6	0.2	56.8	57.0
El Salvador	589	46.8	46.8	30.1	14.7	5.4	2.5	0.4	45.6	48.2
England	584	75.6	75.6	16.0	6.7	0.7	0.9	0.1	75.5	75.8
Georgia	585	68.2	68.2	17.3	6.2	4.0	4.0	0.2	71.7	64.5
Ghana	762	57.6	57.6	21.4	12.2	7.0	1.5	0.3	50.6	63.3
Hong Kong SAR	494	93.6	93.6	3.8	1.1	1.5	0.0	0.0	96.6	90.7
Hungary	593	79.1	79.1	15.2	4.0	0.7	0.9	0.0	81.2	77.3
Indonesia	593	67.6	67.6	20.8	7.6	3.1	0.9	0.0	71.7	62.4
Iran, Islamic Rep. of	578	58.0	58.0	28.9	8.5	3.5	0.9	0.2	61.9	54.7
Israel	459	79.2	79.2	10.9	4.4	2.8	1.2	1.6	81.2	77.3
Italy	625	78.5	78.5	13.5	4.2	2.0	1.3	0.5	80.0	77.1
Japan	612	90.8	90.8	6.7	2.0	0.5	0.0	0.0	93.9	87.6
Jordan	768	72.1	72.1	14.5	8.1	4.6	0.7	0.0	78.2	66.6
Korea, Rep. of	603	91.3	91.3	5.8	1.7	1.0	0.2	0.0	93.5	89.3
Kuwait	570	46.5	46.5	29.1	11.5	7.0	4.8	1.2	54.5	37.2
Lebanon	537	84.0	84.0	5.3	6.1	2.7	1.2	0.8	82.5	85.9
Lithuania	573	86.2	86.2	11.9	0.4	1.2	0.3	0.0	87.8	84.7
Malaysia	638	78.5	78.5	14.9	4.2	1.5	0.6	0.2	83.6	72.6
Malta	666	78.5	78.5	12.5	5.1	1.3	2.3	0.3	81.8	75.0
Morocco	463	54.9	54.9	23.5	13.1	7.1	0.8	0.6	54.5	55.6
Norway	663	53.8	53.8	32.7	8.2	1.7	3.5	0.1	55.5	52.2
Oman	687	60.6	60.6	21.2	9.0	8.0	1.2	0.1	71.2	49.1
Palestinian Nat'l Auth.	633	55.3	55.3	26.7	10.2	6.7	1.1	0.0	65.0	45.5
Qatar	1013	39.6	39.6	30.6	18.1	10.4	1.1	0.3	47.9	31.5
Romania	602	80.3	80.3	11.8	3.5	2.8	1.4	0.1	88.9	70.8
Russian Federation	626	89.6	89.6	5.7	3.4	0.2	1.1	0.0	95.6	82.7
Saudi Arabia	620	45.6	45.6	28.1	15.2	8.9	2.1	0.1	53.8	38.0
Scotland	571	66.0	66.0	24.9	5.8	1.4	1.8	0.1	64.6	67.3
Serbia	575	81.0	81.0	11.9	3.2	0.9	2.9	0.1	87.0	74.8
Singapore	654	92.5	92.5	3.7	1.8	1.2	0.8	0.0	94.0	91.1
Slovenia	575	86.2	86.2	11.2	1.9	0.1	0.5	0.0	89.1	83.4
Sweden	715	67.1	67.1	20.9	6.5	1.9	3.1	0.4	69.7	64.9
Syrian Arab Republic	663	52.1	52.1	22.9	13.5	8.5	2.2	0.8	53.0	51.3
Thailand	768	59.1	59.1	27.9	6.9	4.7	1.0	0.2	63.2	54.9
Tunisia	583	71.2	71.2	20.6	4.2	2.0	1.9	0.2	72.0	70.2
Turkey	648	64.7	64.7	24.8	5.3	4.3	0.8	0.0	70.3	59.2
Ukraine	629	77.5	77.5	14.0	5.1	2.5	0.9	0.0	82.2	71.9
United States	1050	86.1	86.1	8.5	4.0	0.8	0.6	0.0	90.0	82.3
International Avg.	643	70.9	70.9	17.3	6.6	3.4	1.5	0.3	74.2	67.6
Basque Country, Spain	332	90.3	90.3	7.4	0.4	0.9	1.0	0.0	91.4	89.2
British Columbia, Canada	603	79.7	79.7	12.4	5.5	1.0	1.0	0.4	81.2	78.2
Dubai, UAE	470	78.0	78.0	11.9	5.2	3.4	1.0	0.5	78.6	77.3
Massachusetts, US	281	92.8	92.8	3.5	3.0	0.3	0.4	0.0	95.1	90.5
Minnesota, US	243	88.8	88.8	6.4	4.3	0.5	0.0	0.0	86.7	90.7
Ontario, Canada	486	77.0	77.0	15.1	5.1	1.1	1.3	0.3	81.2	72.7
Quebec, Canada	543	87.7	87.7	8.5	2.4	0.9	0.4	0.1	92.2	83.4

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Geometry / Applying (M032331 - M11_06)
 Label: Degrees minute hand of clock turns
 Type: MC Key: B

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	761	25.7	21.9	25.7	14.6	27.2	10.2	0.4	23.8	27.5
Armenia	675	29.4	13.4	29.4	17.9	21.9	17.1	0.4	28.7	30.1
Australia	582	26.0	17.8	26.0	27.7	27.0	1.1	0.4	21.7	30.0
Bahrain	596	23.0	20.7	23.0	23.0	26.5	6.9	0.0	23.6	22.4
Bosnia and Herzegovina	599	24.6	18.5	24.6	17.5	27.9	11.4	0.1	20.7	28.4
Botswana	604	15.7	26.6	15.7	13.3	39.1	5.1	0.2	15.6	16.0
Bulgaria	569	24.5	17.2	24.5	24.0	27.7	4.6	2.0	20.9	28.0
Chinese Taipei	574	50.1	12.9	50.1	19.1	16.8	1.1	0.0	48.3	51.9
Colombia	697	18.7	20.2	18.7	16.6	39.0	5.0	0.4	17.6	20.0
Cyprus	620	21.7	17.7	21.7	23.9	33.8	2.8	0.0	21.6	21.8
Czech Republic	687	29.4	13.3	29.4	25.7	27.7	3.8	0.1	26.6	32.2
Egypt	939	29.8	19.6	29.8	18.1	26.7	5.6	0.2	29.2	30.4
El Salvador	589	23.0	24.6	23.0	18.2	28.7	5.0	0.5	24.8	21.0
England	584	31.5	15.5	31.5	25.7	26.4	0.9	0.1	27.0	36.5
Georgia	583	21.4	23.8	21.4	19.3	25.0	10.1	0.5	17.3	25.8
Ghana	762	21.5	28.3	21.5	13.1	30.5	6.4	0.3	22.5	20.6
Hong Kong SAR	494	53.2	10.4	53.2	18.7	17.0	0.6	0.0	54.0	52.5
Hungary	593	32.8	11.1	32.8	24.4	29.8	1.9	0.0	30.9	34.5
Indonesia	593	18.6	27.5	18.6	20.7	30.0	3.0	0.1	16.7	20.9
Iran, Islamic Rep. of	578	24.5	18.9	24.5	20.5	30.8	5.0	0.2	23.9	25.1
Israel	459	24.4	15.0	24.4	22.8	25.9	10.3	1.6	19.2	30.4
Italy	625	28.5	11.5	28.5	26.4	29.4	3.7	0.5	28.1	29.0
Japan	612	55.7	9.2	55.7	19.6	14.8	0.7	0.0	52.7	58.7
Jordan	768	31.4	17.1	31.4	17.1	28.5	5.9	0.0	27.3	35.2
Korea, Rep. of	603	61.0	5.7	61.0	18.4	14.7	0.2	0.0	61.2	60.8
Kuwait	570	18.2	22.6	18.2	22.1	29.7	6.0	1.4	16.7	20.0
Lebanon	533	25.6	14.3	25.6	21.3	27.5	10.5	0.8	23.1	28.6
Lithuania	573	22.1	13.9	22.1	21.7	35.1	7.2	0.0	19.1	24.8
Malaysia	638	30.3	10.9	30.3	27.0	29.4	2.1	0.4	29.4	31.3
Malta	666	33.7	12.3	33.7	21.9	30.2	1.6	0.3	34.3	32.9
Morocco	463	26.0	22.7	26.0	23.5	21.1	5.7	0.9	32.2	18.4
Norway	663	24.0	16.3	24.0	28.2	28.1	3.2	0.1	22.0	26.0
Oman	687	18.2	20.7	18.2	22.0	33.5	5.4	0.1	19.5	16.9
Palestinian Nat'l Auth.	633	30.6	21.8	30.6	18.1	26.5	3.1	0.0	31.3	29.9
Qatar	1013	24.9	20.4	24.9	22.5	30.3	1.5	0.4	23.0	26.7
Romania	602	30.0	23.2	30.0	14.5	28.1	3.9	0.1	25.2	35.3
Russian Federation	626	23.8	13.4	23.8	22.5	34.4	5.9	0.0	20.2	27.9
Saudi Arabia	619	25.9	21.9	25.9	19.5	30.7	1.8	0.2	24.6	27.1
Scotland	571	24.4	16.4	24.4	28.2	28.7	2.2	0.1	20.6	27.9
Serbia	576	24.8	16.3	24.8	25.6	26.9	6.3	0.1	25.5	24.0
Singapore	654	53.7	8.4	53.7	18.2	19.4	0.4	0.0	53.5	53.9
Slovenia	575	29.3	14.8	29.3	24.5	30.4	1.1	0.0	28.8	29.7
Sweden	715	33.6	13.6	33.6	25.4	24.9	2.0	0.6	30.2	36.4
Syrian Arab Republic	663	32.9	19.1	32.9	17.3	26.2	3.6	0.8	29.5	36.4
Thailand	768	21.5	24.1	21.5	26.1	24.7	3.3	0.2	21.0	22.1
Tunisia	581	20.8	17.2	20.8	21.1	31.9	8.7	0.2	20.1	21.7
Turkey	648	23.1	21.7	23.1	21.7	28.6	4.8	0.0	22.3	23.9
Ukraine	629	19.5	19.1	19.5	20.6	37.8	3.0	0.0	19.1	19.9
United States	1050	23.3	14.4	23.3	27.5	34.3	0.4	0.1	22.5	24.1
International Avg.	642	28.3	17.5	28.3	21.4	28.0	4.5	0.3	26.9	29.7
Basque Country, Spain	332	26.3	16.5	26.3	27.2	26.8	3.2	0.0	23.3	29.1
British Columbia, Canada	603	25.7	13.3	25.7	26.4	31.6	2.6	0.4	23.0	28.4
Dubai, UAE	469	28.3	18.3	28.3	21.8	27.3	3.8	0.5	24.8	31.8
Massachusetts, US	281	29.9	18.0	29.9	23.5	26.5	2.1	0.0	27.1	32.7
Minnesota, US	243	26.4	14.0	26.4	24.9	34.0	0.8	0.0	20.5	31.8
Ontario, Canada	486	23.9	20.3	23.9	21.0	32.0	2.5	0.3	23.7	24.1
Quebec, Canada	543	33.5	16.1	33.5	19.7	27.7	2.9	0.1	31.3	35.5

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Geometry / Applying (M032623 - M11_07)
 Label: Area of the shaded region in figure
 Type: MC Key: D

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	759	30.7	18.5	8.6	37.1	30.7	4.5	0.5	31.8	29.7
Armenia	675	44.9	16.1	6.4	24.4	44.9	7.8	0.4	44.1	45.8
Australia	582	37.0	22.7	16.7	22.5	37.0	0.7	0.4	38.8	35.4
Bahrain	596	20.3	30.9	16.1	29.6	20.3	3.1	0.0	20.4	20.3
Bosnia and Herzegovina	599	22.4	27.7	9.0	31.9	22.4	9.0	0.1	20.9	23.9
Botswana	604	19.3	35.9	13.1	29.0	19.3	2.4	0.2	22.0	16.2
Bulgaria	569	29.2	25.9	16.8	23.1	29.2	2.8	2.1	28.4	30.1
Chinese Taipei	574	76.7	6.6	3.5	12.1	76.7	1.1	0.0	77.4	76.0
Colombia	697	13.1	36.9	16.4	28.0	13.1	4.9	0.7	14.5	11.4
Cyprus	620	44.2	16.2	11.0	26.2	44.2	2.4	0.0	48.9	39.1
Czech Republic	687	32.8	20.4	16.6	23.2	32.8	7.0	0.1	31.7	33.9
Egypt	942	26.8	26.0	13.8	31.6	26.8	1.6	0.2	27.8	25.8
El Salvador	589	16.3	33.2	14.1	32.2	16.3	3.6	0.7	13.1	19.9
England	584	46.9	15.5	12.6	24.4	46.9	0.6	0.1	44.0	50.1
Georgia	583	26.6	30.0	13.3	22.1	26.6	7.5	0.5	20.5	33.3
Ghana	762	18.0	40.7	16.6	21.6	18.0	2.3	0.7	17.6	18.3
Hong Kong SAR	494	80.2	3.8	5.2	10.2	80.2	0.7	0.0	83.7	76.9
Hungary	593	36.3	22.4	11.9	24.7	36.3	4.6	0.0	35.5	37.0
Indonesia	593	22.7	33.1	11.6	29.4	22.7	2.9	0.3	22.7	22.8
Iran, Islamic Rep. of	578	21.5	30.7	15.1	29.0	21.5	3.4	0.4	22.9	20.4
Israel	459	25.0	24.1	15.7	28.3	25.0	5.1	1.9	22.5	28.0
Italy	624	47.2	13.9	9.9	25.4	47.2	3.0	0.5	48.1	46.4
Japan	612	75.4	5.4	4.3	14.8	75.4	0.1	0.0	76.3	74.6
Jordan	768	34.1	25.7	11.9	27.5	34.1	0.8	0.0	35.9	32.4
Korea, Rep. of	603	71.4	6.8	8.2	13.7	71.4	0.0	0.0	72.0	70.8
Kuwait	570	15.3	36.2	17.3	26.0	15.3	3.8	1.4	15.1	15.5
Lebanon	536	24.7	20.3	14.7	36.9	24.7	2.6	0.8	24.1	25.5
Lithuania	573	41.5	19.0	15.5	21.4	41.5	2.6	0.0	46.2	37.2
Malaysia	638	41.1	18.1	20.2	18.7	41.1	1.3	0.5	45.2	36.6
Malta	666	43.3	13.9	8.4	32.1	43.3	2.0	0.3	41.3	45.4
Morocco	461	18.5	33.4	13.4	30.4	18.5	2.7	1.5	15.2	22.7
Norway	663	33.6	20.4	20.0	23.7	33.6	2.1	0.3	37.5	29.8
Oman	687	15.4	36.9	15.3	29.5	15.4	2.7	0.1	19.8	10.7
Palestinian Nat'l Auth.	633	18.6	32.2	19.1	28.5	18.6	1.5	0.0	18.2	19.1
Qatar	1013	15.1	33.8	25.1	25.0	15.1	0.5	0.5	14.0	16.1
Romania	602	38.2	24.4	10.8	25.0	38.2	1.5	0.1	41.2	34.8
Russian Federation	626	34.3	19.8	11.6	30.6	34.3	3.6	0.2	34.9	33.6
Saudi Arabia	620	12.5	41.4	15.9	27.3	12.5	2.7	0.2	11.3	13.5
Scotland	571	29.5	25.3	14.9	27.5	29.5	2.7	0.1	30.1	29.0
Serbia	567	40.1	19.7	9.5	25.5	40.1	5.1	0.1	40.6	39.6
Singapore	654	79.9	6.6	4.2	8.8	79.9	0.5	0.0	82.2	77.7
Slovenia	575	33.6	22.2	15.5	27.5	33.6	1.2	0.0	33.2	34.1
Sweden	715	43.3	13.0	16.4	24.4	43.3	2.4	0.6	44.8	42.1
Syrian Arab Republic	663	25.4	28.4	14.7	29.1	25.4	1.6	0.8	22.8	27.9
Thailand	767	27.2	27.8	18.7	24.4	27.2	1.7	0.2	28.0	26.4
Tunisia	581	23.4	24.6	14.4	34.3	23.4	2.8	0.3	21.7	25.6
Turkey	648	24.6	33.4	12.6	26.0	24.6	3.4	0.0	26.0	23.2
Ukraine	629	23.7	25.4	16.0	31.8	23.7	3.0	0.0	21.9	25.9
United States	1050	35.2	19.8	14.9	29.5	35.2	0.6	0.1	34.9	35.4
International Avg.	642	33.8	23.8	13.4	25.8	33.8	2.8	0.4	34.1	33.6
Basque Country, Spain	332	38.8	15.7	16.4	25.7	38.8	3.4	0.0	37.8	39.8
British Columbia, Canada	603	41.6	16.9	14.1	24.8	41.6	2.2	0.4	44.0	39.1
Dubai, UAE	470	31.2	18.4	14.1	34.5	31.2	1.2	0.5	30.1	32.3
Massachusetts, US	281	51.8	12.6	7.3	26.9	51.8	1.4	0.0	48.0	55.8
Minnesota, US	243	43.4	14.3	16.2	24.8	43.4	1.3	0.0	42.4	44.2
Ontario, Canada	486	48.8	12.5	11.5	25.8	48.8	1.1	0.3	49.6	47.9
Quebec, Canada	543	55.3	9.7	10.2	23.0	55.3	1.6	0.1	55.8	54.9

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Geometry / Knowing (M032679 - M11_08)
 Label: Shape of cutout figure
 Type: MC Key: A

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	773	36.0	36.0	13.8	40.6	5.7	3.2	0.7	37.4	34.6
Armenia	674	50.6	50.6	9.3	21.1	10.6	8.0	0.4	53.2	47.6
Australia	582	62.4	62.4	12.7	11.1	12.9	0.5	0.4	61.4	63.3
Bahrain	596	37.5	37.5	16.1	31.7	13.1	1.4	0.2	41.0	34.1
Bosnia and Herzegovina	599	49.2	49.2	10.2	31.8	7.1	1.6	0.1	51.4	47.1
Botswana	604	30.7	30.7	19.4	28.3	20.4	1.0	0.2	32.0	29.3
Bulgaria	569	61.0	61.0	10.6	17.8	5.7	2.3	2.5	63.3	58.7
Chinese Taipei	574	82.6	82.6	5.5	7.6	3.3	0.9	0.0	83.6	81.8
Colombia	697	29.8	29.8	20.3	20.2	26.1	2.5	1.1	29.6	30.2
Cyprus	620	53.8	53.8	11.4	25.2	9.4	0.3	0.0	59.0	48.2
Czech Republic	687	76.0	76.0	6.5	7.6	9.0	0.9	0.1	75.3	76.7
Egypt	940	30.3	30.3	18.8	34.8	14.6	1.1	0.4	28.9	31.7
El Salvador	589	28.8	28.8	19.0	23.3	26.0	1.7	1.1	26.7	31.2
England	584	67.3	67.3	8.8	14.1	9.4	0.4	0.1	65.3	69.6
Georgia	587	44.8	44.8	12.8	22.7	15.0	4.2	0.5	45.9	43.5
Ghana	762	26.9	26.9	22.1	27.8	20.8	1.4	0.9	24.7	28.8
Hong Kong SAR	494	79.7	79.7	5.8	8.4	5.3	0.8	0.0	82.1	77.6
Hungary	593	57.7	57.7	14.3	18.0	9.0	1.1	0.0	58.6	56.9
Indonesia	593	45.0	45.0	15.6	24.4	14.6	0.2	0.3	44.9	45.1
Iran, Islamic Rep. of	578	37.1	37.1	20.2	25.4	15.8	1.0	0.5	42.0	32.9
Israel	459	60.2	60.2	11.5	15.1	8.5	2.6	2.1	62.3	58.1
Italy	623	62.3	62.3	5.6	22.6	8.5	0.5	0.5	62.9	61.8
Japan	612	87.1	87.1	7.0	5.4	0.5	0.0	0.0	88.0	86.2
Jordan	768	41.2	41.2	14.5	34.1	9.0	1.2	0.0	40.9	41.5
Korea, Rep. of	603	82.5	82.5	8.3	7.5	1.7	0.0	0.0	82.1	82.9
Kuwait	570	48.7	48.7	11.2	27.9	7.5	2.9	1.7	55.9	40.4
Lebanon	535	36.3	36.3	12.5	38.2	11.1	1.1	0.8	37.5	34.8
Lithuania	572	50.7	50.7	7.8	25.5	15.0	1.1	0.0	54.4	47.3
Malaysia	638	40.9	40.9	10.7	25.1	22.2	0.4	0.7	42.1	39.5
Malta	666	58.5	58.5	11.5	19.4	9.3	1.1	0.3	60.3	56.5
Morocco	461	35.2	35.2	16.0	37.9	8.3	1.1	1.5	41.2	27.8
Norway	663	50.2	50.2	13.2	22.0	13.0	1.3	0.3	58.5	42.3
Oman	687	23.5	23.5	23.9	37.3	14.2	1.0	0.1	25.2	21.7
Palestinian Nat'l Auth.	633	31.3	31.3	16.3	39.2	12.2	0.9	0.0	33.5	29.1
Qatar	1013	29.1	29.1	29.1	22.5	18.1	0.7	0.5	30.7	27.6
Romania	602	47.9	47.9	9.3	31.9	9.8	1.0	0.1	55.5	39.4
Russian Federation	626	65.3	65.3	7.8	16.1	10.0	0.7	0.2	68.6	61.5
Saudi Arabia	618	22.9	22.9	17.9	39.5	18.1	1.0	0.5	26.6	19.5
Scotland	571	64.7	64.7	8.5	13.8	12.6	0.3	0.1	68.7	61.1
Serbia	573	54.0	54.0	10.7	25.1	7.5	2.3	0.4	61.7	45.9
Singapore	654	70.7	70.7	9.5	10.8	8.4	0.7	0.0	75.2	66.3
Slovenia	575	58.4	58.4	7.4	15.1	18.7	0.5	0.0	63.4	53.4
Sweden	715	58.7	58.7	10.6	16.4	11.9	1.6	0.7	61.4	56.5
Syrian Arab Republic	663	53.9	53.9	23.2	11.0	10.3	0.8	0.8	53.5	54.4
Thailand	768	51.1	51.1	19.2	13.4	15.2	0.9	0.2	54.6	47.4
Tunisia	581	42.9	42.9	20.6	25.9	7.1	3.1	0.3	42.7	43.2
Turkey	648	37.0	37.0	15.4	33.8	13.0	0.8	0.0	41.9	32.1
Ukraine	629	56.8	56.8	9.9	19.2	13.0	1.2	0.0	57.4	55.9
United States	1050	56.7	56.7	12.2	18.2	12.7	0.2	0.1	62.4	51.0
International Avg.	642	50.3	50.3	13.4	22.7	11.9	1.3	0.4	52.6	48.0
Basque Country, Spain	332	57.0	57.0	13.8	15.3	10.8	3.2	0.0	61.1	53.0
British Columbia, Canada	603	56.6	56.6	10.1	17.4	13.9	1.5	0.4	59.5	53.6
Dubai, UAE	470	44.3	44.3	16.4	25.1	12.2	1.5	0.5	48.7	39.9
Massachusetts, US	281	68.4	68.4	7.3	15.6	7.8	0.8	0.0	71.5	65.4
Minnesota, US	243	64.0	64.0	10.4	9.6	14.5	1.5	0.0	65.4	62.7
Ontario, Canada	486	64.2	64.2	5.5	16.5	11.6	1.8	0.3	73.0	55.0
Quebec, Canada	543	66.5	66.5	6.5	13.3	12.5	1.2	0.1	65.3	67.5

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Algebra / Applying (M032047 - M11_09)
 Label: Sum of 3 consecutive whole numbers
 Type: MC Key: B

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	772	47.6	17.7	47.6	10.2	15.8	7.8	0.9	47.9	47.3
Armenia	675	56.5	19.9	56.5	6.7	6.1	10.4	0.4	53.1	60.4
Australia	582	46.5	22.1	46.5	12.5	15.4	3.2	0.4	44.5	48.3
Bahrain	596	49.2	20.8	49.2	12.9	13.2	3.7	0.2	46.8	51.4
Bosnia and Herzegovina	599	57.6	19.8	57.6	6.6	8.0	8.0	0.1	56.1	59.0
Botswana	604	46.7	31.4	46.7	7.2	11.5	2.9	0.2	44.4	49.4
Bulgaria	569	59.1	18.6	59.1	6.6	8.4	4.6	2.7	57.9	60.4
Chinese Taipei	574	75.6	11.1	75.6	7.6	4.5	1.2	0.0	76.8	74.4
Colombia	697	51.8	23.7	51.8	10.9	7.7	3.4	2.6	54.1	49.0
Cyprus	620	51.0	20.5	51.0	12.7	13.7	2.2	0.0	52.6	49.3
Czech Republic	687	64.8	15.3	64.8	7.8	7.6	4.5	0.1	65.7	63.9
Egypt	939	43.4	21.1	43.4	14.2	18.8	2.0	0.5	43.1	43.6
El Salvador	589	50.2	27.2	50.2	8.4	8.6	4.3	1.3	50.2	50.3
England	584	49.6	22.4	49.6	10.1	14.0	3.9	0.1	49.6	49.6
Georgia	587	54.9	25.0	54.9	6.1	6.5	7.0	0.5	57.3	52.3
Ghana	762	51.0	21.9	51.0	11.9	11.8	2.5	0.9	48.9	52.8
Hong Kong SAR	494	67.1	18.9	67.1	6.3	6.7	0.6	0.4	67.4	66.9
Hungary	593	60.5	12.8	60.5	10.0	10.6	6.2	0.0	57.0	63.6
Indonesia	593	48.8	22.5	48.8	8.1	18.5	1.8	0.3	49.9	47.3
Iran, Islamic Rep. of	578	46.6	24.9	46.6	12.4	10.4	5.0	0.7	51.6	42.3
Israel	459	53.9	19.8	53.9	7.8	11.8	4.3	2.4	57.1	50.6
Italy	625	56.1	16.0	56.1	8.0	11.6	7.7	0.5	54.3	57.7
Japan	612	64.8	18.0	64.8	8.3	7.8	1.1	0.0	64.5	65.1
Jordan	768	54.6	25.7	54.6	7.6	10.3	1.8	0.0	51.5	57.6
Korea, Rep. of	603	77.2	11.6	77.2	5.7	5.5	0.0	0.0	76.4	77.9
Kuwait	570	34.1	21.0	34.1	13.8	21.2	8.3	1.7	34.7	33.4
Lebanon	533	60.0	17.6	60.0	7.6	9.9	4.1	0.8	59.3	61.0
Lithuania	573	67.2	12.7	67.2	4.7	10.6	4.9	0.0	69.1	65.4
Malaysia	638	47.5	20.4	47.5	12.2	17.7	1.6	0.7	48.1	46.7
Malta	666	46.6	23.2	46.6	11.1	12.2	6.6	0.3	44.2	49.2
Morocco	462	56.3	16.1	56.3	11.7	10.2	3.6	2.1	59.3	52.6
Norway	663	46.8	19.8	46.8	14.8	12.2	6.1	0.3	46.9	46.8
Oman	687	39.1	30.3	39.1	10.5	17.2	2.8	0.2	36.6	41.8
Palestinian Nat'l Auth.	633	50.1	23.5	50.1	11.1	12.7	2.7	0.0	52.8	47.4
Qatar	1013	38.6	23.7	38.6	18.3	17.3	1.6	0.5	40.0	37.1
Romania	602	65.6	21.6	65.6	5.6	6.1	0.8	0.3	64.2	67.1
Russian Federation	626	53.1	25.6	53.1	7.6	6.3	7.2	0.2	52.5	53.7
Saudi Arabia	619	47.3	26.0	47.3	13.0	12.0	1.3	0.5	49.1	45.6
Scotland	571	44.2	25.1	44.2	10.7	12.2	7.7	0.1	45.8	42.8
Serbia	576	65.4	13.3	65.4	8.0	7.0	5.8	0.4	66.3	64.5
Singapore	654	62.1	21.5	62.1	7.1	7.9	1.3	0.0	65.7	58.5
Slovenia	575	46.6	25.0	46.6	7.4	18.0	3.0	0.0	43.4	49.7
Sweden	715	41.8	19.1	41.8	13.0	16.6	8.7	0.8	41.4	42.1
Syrian Arab Republic	663	49.6	22.9	49.6	12.5	11.4	2.7	0.9	44.0	55.1
Thailand	768	54.4	23.6	54.4	6.8	11.1	3.7	0.4	55.2	53.6
Tunisia	581	51.2	17.0	51.2	10.3	16.6	4.4	0.5	53.0	48.9
Turkey	648	57.5	28.1	57.5	6.1	6.1	2.2	0.0	59.2	55.7
Ukraine	629	46.6	33.5	46.6	6.6	9.3	3.6	0.3	47.5	45.5
United States	1050	43.1	31.5	43.1	11.4	12.3	1.6	0.1	43.3	42.9
International Avg.	642	53.1	21.4	53.1	9.6	11.4	4.0	0.5	53.1	53.0
Basque Country, Spain	332	49.8	28.2	49.8	7.0	9.0	5.8	0.1	51.4	48.3
British Columbia, Canada	603	51.3	22.4	51.3	12.0	7.4	6.4	0.4	52.4	50.1
Dubai, UAE	470	47.2	31.8	47.2	9.3	7.7	3.6	0.5	41.5	52.9
Massachusetts, US	281	48.7	30.3	48.7	7.6	9.8	3.6	0.0	43.0	54.5
Minnesota, US	243	51.6	29.4	51.6	8.8	7.3	2.9	0.0	48.3	54.5
Ontario, Canada	486	44.0	28.2	44.0	9.6	11.4	6.5	0.3	52.3	35.2
Quebec, Canada	543	59.6	19.7	59.6	8.0	6.6	5.9	0.1	64.5	55.0

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Geometry / Reasoning (M032398 - M11_10)
 Label: Value of angle x in figure
 Type: MC Key: B

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	767	29.3	25.4	29.3	14.0	26.1	3.9	1.2	29.5	29.2
Armenia	674	50.5	19.4	50.5	10.5	13.3	5.7	0.6	49.2	52.0
Australia	582	37.0	28.2	37.0	21.6	11.4	1.4	0.4	38.4	35.7
Bahrain	596	30.0	32.3	30.0	16.6	19.1	1.8	0.2	30.2	29.7
Bosnia and Herzegovina	599	36.1	29.3	36.1	11.5	18.8	4.2	0.1	31.6	40.5
Botswana	604	37.7	23.0	37.7	19.2	18.5	1.4	0.2	38.0	37.3
Bulgaria	569	47.0	21.3	47.0	13.4	13.4	2.3	2.7	45.2	48.7
Chinese Taipei	574	77.2	10.1	77.2	8.5	3.4	0.7	0.0	79.4	75.2
Colombia	697	32.7	21.0	32.7	10.3	31.8	1.3	2.9	34.1	31.0
Cyprus	620	39.2	32.0	39.2	16.2	9.6	3.0	0.0	39.7	38.6
Czech Republic	687	44.3	29.2	44.3	13.1	9.3	4.1	0.1	45.3	43.2
Egypt	942	40.3	21.3	40.3	15.6	20.3	1.8	0.7	42.0	38.5
El Salvador	589	20.8	14.3	20.8	7.8	54.3	1.4	1.4	18.9	23.0
England	584	45.4	30.8	45.4	16.6	5.7	1.4	0.1	44.8	46.1
Georgia	587	32.1	25.1	32.1	18.1	19.1	4.9	0.5	29.8	34.7
Ghana	762	37.9	22.3	37.9	11.4	26.0	1.5	0.9	34.2	40.9
Hong Kong SAR	494	76.6	9.0	76.6	9.0	4.2	0.7	0.4	78.0	75.3
Hungary	593	50.0	25.0	50.0	13.3	10.0	1.3	0.3	49.1	50.8
Indonesia	593	37.4	23.8	37.4	12.5	23.3	2.4	0.5	39.5	34.9
Iran, Islamic Rep. of	578	33.0	26.8	33.0	15.8	21.3	2.5	0.7	32.4	33.4
Israel	459	42.8	26.3	42.8	11.1	13.7	3.7	2.4	42.9	42.9
Italy	625	44.3	26.1	44.3	16.6	10.1	2.6	0.5	46.0	42.7
Japan	612	80.3	12.1	80.3	5.6	2.0	0.1	0.0	82.3	78.2
Jordan	768	45.9	23.6	45.9	11.6	17.3	1.6	0.0	47.4	44.5
Korea, Rep. of	603	72.4	18.1	72.4	7.1	2.0	0.3	0.0	74.2	70.8
Kuwait	570	23.3	28.9	23.3	17.0	25.9	3.1	1.8	19.5	27.7
Lebanon	536	57.9	18.2	57.9	6.0	15.3	1.7	0.9	54.3	62.3
Lithuania	572	45.8	33.2	45.8	10.9	6.5	3.7	0.0	46.8	44.8
Malaysia	638	55.9	19.9	55.9	17.1	5.2	1.1	0.7	55.6	56.4
Malta	666	41.4	36.0	41.4	13.0	8.0	1.2	0.3	43.0	39.7
Morocco	462	31.5	17.7	31.5	15.7	30.3	2.6	2.2	28.5	35.2
Norway	663	41.3	23.6	41.3	19.5	13.6	1.7	0.3	43.8	38.9
Oman	687	36.1	23.3	36.1	17.1	20.7	2.3	0.5	38.5	33.4
Palestinian Nat'l Auth.	631	29.9	29.8	29.9	16.8	22.8	0.5	0.1	28.7	31.0
Qatar	1013	24.6	24.7	24.6	16.6	32.8	0.7	0.6	22.3	26.9
Romania	602	40.8	27.5	40.8	18.5	12.3	0.5	0.3	42.4	39.0
Russian Federation	626	51.4	29.6	51.4	12.3	4.8	1.7	0.2	53.1	49.5
Saudi Arabia	619	27.1	22.4	27.1	13.3	35.2	1.5	0.5	28.7	25.7
Scotland	571	33.5	30.7	33.5	20.5	12.8	2.3	0.1	29.8	37.0
Serbia	570	40.8	34.5	40.8	10.1	12.6	1.6	0.4	41.5	40.2
Singapore	654	75.5	11.1	75.5	10.2	2.5	0.6	0.0	77.8	73.2
Slovenia	575	43.6	36.4	43.6	13.4	5.6	1.1	0.0	44.4	42.8
Sweden	715	48.9	23.2	48.9	15.5	9.1	2.4	0.8	47.0	50.5
Syrian Arab Republic	663	31.0	25.9	31.0	13.4	26.3	2.5	0.9	31.0	30.9
Thailand	768	43.8	22.6	43.8	14.5	17.1	1.4	0.6	45.3	42.2
Tunisia	583	31.0	32.2	31.0	14.8	19.4	1.9	0.7	27.3	35.5
Turkey	648	54.0	18.6	54.0	14.1	11.6	1.8	0.0	56.1	51.9
Ukraine	629	37.6	31.2	37.6	16.8	11.9	2.3	0.3	39.0	35.9
United States	1050	41.6	28.4	41.6	21.2	8.2	0.6	0.1	41.1	42.0
International Avg.	642	43.0	24.6	43.0	14.0	15.8	2.0	0.6	43.0	43.1
Basque Country, Spain	332	38.9	37.6	38.9	13.4	7.5	2.4	0.1	38.9	39.0
British Columbia, Canada	603	48.8	27.2	48.8	12.9	7.9	2.9	0.4	47.4	50.1
Dubai, UAE	469	41.0	25.7	41.0	14.4	16.6	1.7	0.7	35.2	46.8
Massachusetts, US	281	45.8	31.9	45.8	14.5	5.7	1.9	0.3	43.1	48.5
Minnesota, US	243	41.0	31.9	41.0	18.5	7.9	0.8	0.0	39.0	42.8
Ontario, Canada	486	47.3	27.9	47.3	15.3	8.3	0.8	0.4	47.8	46.9
Quebec, Canada	543	59.9	24.3	59.9	11.6	2.5	1.5	0.1	61.0	58.9

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Data and Chance / Applying (M032507 - M11_11)
 Label: Number of times spinner in red area
 Type: MC Key: C

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	767	16.0	25.0	18.7	16.0	32.0	7.0	1.3	15.2	16.7
Armenia	675	20.9	17.2	12.2	20.9	31.3	17.8	0.6	19.8	22.1
Australia	582	43.9	24.6	19.6	43.9	10.7	0.7	0.4	40.4	47.2
Bahrain	596	17.5	36.8	21.9	17.5	21.5	1.9	0.4	15.3	19.6
Bosnia and Herzegovina	599	16.8	27.2	14.6	16.8	32.1	8.9	0.5	13.5	20.1
Botswana	604	23.1	32.1	16.4	23.1	26.0	2.2	0.2	24.5	21.5
Bulgaria	569	24.4	28.7	19.1	24.4	20.8	4.4	2.7	20.7	28.2
Chinese Taipei	574	55.0	14.3	10.3	55.0	19.3	1.1	0.0	55.5	54.6
Colombia	697	18.0	26.8	20.4	18.0	28.5	2.8	3.5	16.5	19.8
Cyprus	620	30.1	25.4	16.2	30.1	26.3	1.9	0.2	28.2	32.1
Czech Republic	687	28.5	27.2	19.2	28.5	21.1	4.0	0.1	25.7	31.2
Egypt	940	22.1	23.1	18.4	22.1	33.9	1.8	0.7	22.2	22.0
El Salvador	589	13.2	25.8	12.7	13.2	44.0	2.7	1.7	11.4	15.2
England	584	52.4	23.2	13.8	52.4	9.7	0.8	0.1	49.4	55.7
Georgia	587	18.6	19.8	10.6	18.6	41.6	8.8	0.5	20.1	17.0
Ghana	762	15.7	41.1	13.7	15.7	25.3	3.0	1.1	13.1	18.0
Hong Kong SAR	494	52.2	18.4	14.1	52.2	14.1	0.7	0.4	52.5	51.8
Hungary	593	33.2	20.7	21.3	33.2	22.6	1.9	0.3	28.7	37.1
Indonesia	593	14.1	30.9	13.6	14.1	36.9	3.5	0.9	14.6	13.4
Iran, Islamic Rep. of	578	20.3	25.0	18.1	20.3	32.2	3.1	1.3	15.1	24.7
Israel	459	30.6	22.9	19.3	30.6	20.3	4.3	2.6	24.0	38.0
Italy	625	23.4	24.8	22.5	23.4	23.2	5.7	0.5	19.5	26.9
Japan	612	60.4	14.6	11.5	60.4	13.3	0.2	0.0	54.9	66.0
Jordan	768	29.6	27.2	14.9	29.6	25.1	2.9	0.4	27.1	31.8
Korea, Rep. of	603	66.4	10.5	9.1	66.4	13.5	0.5	0.0	63.7	68.8
Kuwait	570	19.4	25.8	16.3	19.4	32.0	4.3	2.1	16.2	23.1
Lebanon	530	20.7	27.6	18.1	20.7	28.3	4.4	1.0	24.5	16.0
Lithuania	572	31.4	27.5	11.8	31.4	26.2	3.0	0.1	33.7	29.3
Malaysia	638	30.2	23.8	16.6	30.2	27.1	1.4	0.8	26.4	34.6
Malta	666	32.7	27.2	19.1	32.7	19.0	1.7	0.3	31.5	33.9
Morocco	463	18.6	23.1	18.7	18.6	33.1	4.2	2.3	16.0	21.9
Norway	663	31.1	23.1	19.6	31.1	24.8	1.1	0.3	33.0	29.3
Oman	687	21.2	32.9	14.9	21.2	27.7	2.5	0.8	22.7	19.5
Palestinian Nat'l Auth.	631	21.0	27.9	20.2	21.0	29.6	1.1	0.1	18.8	23.2
Qatar	1013	24.1	26.7	24.3	24.1	23.0	1.3	0.7	22.5	25.6
Romania	602	23.1	23.4	15.7	23.1	34.5	2.9	0.3	20.8	25.8
Russian Federation	626	24.6	23.9	15.8	24.6	31.3	4.0	0.4	21.4	28.3
Saudi Arabia	620	22.7	24.0	20.6	22.7	30.4	1.8	0.5	20.0	25.1
Scotland	571	34.7	27.1	16.2	34.7	19.7	2.2	0.1	36.0	33.5
Serbia	577	24.4	17.7	16.3	24.4	34.9	6.3	0.4	20.6	28.4
Singapore	654	66.4	15.2	9.7	66.4	8.0	0.8	0.0	66.2	66.6
Slovenia	575	28.7	28.0	17.5	28.7	25.1	0.7	0.0	26.8	30.5
Sweden	715	41.0	16.8	17.5	41.0	22.1	1.5	1.1	38.8	42.9
Syrian Arab Republic	663	26.0	21.4	14.8	26.0	34.2	2.6	1.0	22.7	29.3
Thailand	768	20.6	20.6	14.5	20.6	41.1	2.4	0.6	19.0	22.4
Tunisia	583	23.6	21.0	19.6	23.6	29.3	5.6	1.0	23.5	23.7
Turkey	648	25.8	23.6	11.2	25.8	36.5	2.9	0.0	25.0	26.6
Ukraine	629	19.2	22.3	19.8	19.2	36.2	2.1	0.4	13.7	25.7
United States	1050	38.9	27.5	17.5	38.9	15.5	0.3	0.2	34.6	43.3
International Avg.	642	28.9	24.3	16.5	28.9	26.4	3.1	0.7	27.1	30.8
Basque Country, Spain	332	25.6	21.1	15.6	25.6	31.4	6.2	0.1	23.9	27.2
British Columbia, Canada	603	45.1	24.8	15.4	45.1	12.2	2.0	0.4	42.7	47.5
Dubai, UAE	470	24.7	29.2	15.9	24.7	24.7	4.5	0.9	21.1	28.4
Massachusetts, US	281	48.9	21.9	14.2	48.9	14.4	0.4	0.3	42.3	55.7
Minnesota, US	243	49.8	19.3	15.2	49.8	15.7	0.0	0.0	50.1	49.5
Ontario, Canada	486	44.1	29.6	15.9	44.1	9.3	0.6	0.5	39.2	49.3
Quebec, Canada	543	47.8	19.5	16.8	47.8	11.8	3.8	0.2	48.9	46.7

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Algebra / Reasoning (M032424 - M11_12)
 Label: Jo has 3 metal blocks to weigh
 Type: MC Key: C

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	771	18.4	19.0	10.3	18.4	44.8	5.6	1.9	16.2	20.5
Armenia	672	40.3	15.0	11.4	40.3	19.1	12.0	2.3	37.5	43.5
Australia	582	55.5	13.0	18.0	55.5	12.4	0.4	0.6	46.3	63.9
Bahrain	596	28.0	26.2	18.0	28.0	25.5	1.9	0.4	24.4	31.5
Bosnia and Herzegovina	599	50.2	18.2	9.9	50.2	16.9	4.1	0.7	43.2	57.1
Botswana	604	15.1	38.4	9.8	15.1	33.7	2.8	0.2	11.5	19.1
Bulgaria	569	48.8	15.3	13.4	48.8	16.7	3.0	2.8	44.0	53.6
Chinese Taipei	574	72.7	6.5	10.9	72.7	9.4	0.5	0.0	70.4	74.9
Colombia	697	30.5	19.3	14.0	30.5	30.9	1.8	3.5	22.6	39.6
Cyprus	620	50.5	11.2	16.8	50.5	20.0	1.3	0.2	52.1	48.9
Czech Republic	687	52.1	12.2	20.1	52.1	11.3	4.2	0.1	45.8	58.4
Egypt	940	31.3	25.3	14.6	31.3	26.8	1.1	1.0	27.5	35.0
El Salvador	589	19.6	19.0	13.4	19.6	44.8	1.3	1.9	17.5	22.1
England	584	60.2	13.2	11.6	60.2	13.2	1.4	0.5	52.8	68.4
Georgia	587	33.4	18.8	13.1	33.4	28.2	4.6	2.0	26.4	41.1
Ghana	762	11.2	36.5	12.3	11.2	36.4	2.3	1.3	12.3	10.4
Hong Kong SAR	494	64.8	9.2	14.7	64.8	10.9	0.0	0.4	65.0	64.6
Hungary	593	60.5	13.3	12.9	60.5	11.4	1.5	0.4	55.9	64.4
Indonesia	593	18.2	38.3	11.0	18.2	30.1	1.5	0.9	16.7	20.2
Iran, Islamic Rep. of	578	32.5	22.9	18.4	32.5	22.6	1.9	1.7	26.6	37.4
Israel	459	50.0	16.0	11.4	50.0	16.7	2.6	3.2	48.1	52.4
Italy	624	44.8	16.1	13.6	44.8	21.1	3.5	0.9	42.0	47.4
Japan	612	74.9	5.4	13.1	74.9	6.5	0.1	0.0	72.6	77.2
Jordan	768	38.4	24.1	12.1	38.4	23.9	0.7	0.7	31.1	45.1
Korea, Rep. of	603	79.3	6.7	7.9	79.3	6.0	0.2	0.0	76.2	82.2
Kuwait	570	22.1	24.3	13.5	22.1	33.1	4.5	2.5	18.2	26.8
Lebanon	528	38.3	19.1	13.2	38.3	24.1	3.6	1.7	29.3	49.6
Lithuania	567	66.4	12.0	9.9	66.4	10.8	0.6	0.2	61.7	70.9
Malaysia	638	48.6	13.5	12.1	48.6	24.0	1.0	0.8	41.4	56.7
Malta	666	52.3	14.7	15.3	52.3	16.3	0.8	0.6	50.2	54.6
Morocco	457	22.3	22.3	17.4	22.3	33.2	2.1	2.6	20.4	24.7
Norway	663	52.7	10.0	18.9	52.7	16.8	1.3	0.3	49.2	56.1
Oman	686	16.8	33.2	14.7	16.8	32.1	2.3	0.8	12.7	21.2
Palestinian Nat'l Auth.	632	25.4	25.3	17.8	25.4	30.2	0.9	0.5	18.3	32.5
Qatar	1013	24.6	24.6	19.6	24.6	29.3	1.0	0.9	23.1	26.1
Romania	602	37.2	16.8	14.1	37.2	29.6	2.0	0.3	36.1	38.4
Russian Federation	626	68.2	8.9	11.5	68.2	9.2	1.3	0.8	68.6	67.8
Saudi Arabia	619	15.9	25.5	13.8	15.9	43.2	0.9	0.6	14.7	17.0
Scotland	571	51.2	15.6	17.8	51.2	14.5	0.8	0.1	48.8	53.4
Serbia	571	51.0	14.1	11.9	51.0	18.2	4.3	0.5	46.3	56.0
Singapore	654	69.1	9.1	13.6	69.1	7.1	0.7	0.3	66.1	72.1
Slovenia	575	53.4	16.0	14.5	53.4	13.9	2.2	0.0	49.1	57.6
Sweden	715	68.0	9.6	11.2	68.0	8.7	1.3	1.2	64.5	70.9
Syrian Arab Republic	663	23.0	15.1	13.8	23.0	44.4	2.6	1.1	19.2	26.8
Thailand	767	44.5	14.5	14.7	44.5	24.2	1.4	0.6	43.2	45.7
Tunisia	584	31.7	19.3	15.1	31.7	28.9	3.5	1.5	25.9	38.8
Turkey	648	42.5	16.8	12.2	42.5	26.3	2.2	0.0	41.1	43.9
Ukraine	629	58.0	16.4	12.4	58.0	10.7	1.8	0.6	53.3	63.6
United States	1050	56.7	13.4	16.5	56.7	12.6	0.5	0.3	52.3	61.0
International Avg.	642	43.3	17.7	13.8	43.3	22.1	2.1	1.0	39.6	47.2
Basque Country, Spain	332	56.9	16.4	11.4	56.9	13.3	1.7	0.3	54.5	59.2
British Columbia, Canada	603	61.0	11.0	15.5	61.0	9.9	2.1	0.4	58.8	63.2
Dubai, UAE	470	40.5	23.7	12.2	40.5	20.1	2.1	1.3	35.2	46.0
Massachusetts, US	281	62.5	14.8	13.5	62.5	7.8	1.1	0.3	50.0	75.1
Minnesota, US	243	59.9	12.9	17.1	59.9	9.2	0.9	0.0	48.2	70.6
Ontario, Canada	486	57.6	13.7	17.2	57.6	10.5	0.5	0.5	54.4	60.9
Quebec, Canada	543	62.7	8.2	15.7	62.7	10.6	2.1	0.7	52.7	72.1

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Data and Chance / Knowing (M032681A - M11_13A)
 Label: Car production graph/time cars made
 Type: CR Key: -

COUNTRY	N	10	70	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	765	36.8	10.6	32.3	17.3	3.0	36.8	38.7	35.0
Armenia	670	43.4	5.5	20.0	28.0	3.1	43.4	45.3	41.3
Australia	582	67.2	20.1	9.9	2.1	0.8	67.2	62.1	71.9
Bahrain	596	49.1	24.7	18.1	7.4	0.7	49.1	50.9	47.4
Bosnia and Herzegovina	599	56.9	13.2	13.5	15.4	1.1	56.9	58.1	55.7
Botswana	604	49.7	35.4	12.6	1.6	0.7	49.7	48.7	51.0
Bulgaria	569	51.3	6.5	18.9	20.1	3.3	51.3	52.1	50.5
Chinese Taipei	574	76.4	10.5	10.3	2.9	0.0	76.4	80.7	72.3
Colombia	.	.	.	.	.	.	.	.	.
Cyprus	620	54.4	24.6	9.6	11.2	0.2	54.4	51.6	57.3
Czech Republic	687	72.8	14.0	8.6	4.2	0.4	72.8	70.1	75.3
Egypt	942	39.1	13.8	35.5	10.2	1.4	39.1	42.4	35.9
El Salvador	589	33.8	19.2	30.1	14.8	2.2	33.8	29.7	38.3
England	584	69.7	21.0	7.3	1.5	0.5	69.7	65.2	74.7
Georgia	587	23.2	11.9	18.0	43.8	3.0	23.2	27.2	18.8
Ghana	762	33.0	12.3	33.4	18.7	2.6	33.0	28.9	36.4
Hong Kong SAR	494	76.3	14.1	6.6	2.5	0.4	76.3	75.8	76.8
Hungary	593	79.0	9.9	7.2	3.3	0.6	79.0	78.8	79.3
Indonesia	593	46.9	8.6	35.7	7.4	1.3	46.9	49.4	43.9
Iran, Islamic Rep. of	578	39.0	21.5	26.8	10.4	2.4	39.0	41.7	36.6
Israel	459	59.5	7.9	18.1	10.6	4.0	59.5	61.9	57.0
Italy	625	72.4	3.6	12.4	10.4	1.3	72.4	72.8	72.1
Japan	612	87.9	4.9	5.8	1.3	0.0	87.9	85.2	90.6
Jordan	768	55.2	8.1	30.7	5.2	0.8	55.2	60.7	50.2
Korea, Rep. of	603	86.8	7.8	3.9	1.6	0.0	86.8	88.2	85.4
Kuwait	570	36.4	16.2	25.9	18.0	3.5	36.4	42.1	29.8
Lebanon	538	50.5	24.2	8.4	14.0	2.9	50.5	47.0	54.8
Lithuania	573	68.0	15.6	12.9	3.2	0.2	68.0	71.0	65.3
Malaysia	638	70.8	17.9	8.2	2.3	0.8	70.8	72.5	68.7
Malta	666	65.3	18.9	9.5	5.6	0.8	65.3	65.1	65.5
Morocco	463	40.2	8.7	20.9	27.7	2.5	40.2	40.8	39.4
Norway	663	57.7	28.3	9.5	4.2	0.3	57.7	57.1	58.3
Oman	686	38.9	20.8	31.2	7.8	1.3	38.9	43.8	33.6
Palestinian Nat'l Auth.	633	43.7	8.2	39.7	7.8	0.6	43.7	51.2	36.1
Qatar	1013	25.2	11.1	44.4	18.0	1.2	25.2	30.4	20.1
Romania	602	49.2	17.8	21.1	10.9	1.1	49.2	52.7	45.3
Russian Federation	626	75.9	8.6	7.5	6.9	1.2	75.9	80.3	70.9
Saudi Arabia	620	25.1	15.1	48.8	10.3	0.7	25.1	32.9	18.0
Scotland	571	70.4	21.4	5.7	2.2	0.3	70.4	71.5	69.4
Serbia	578	62.8	13.9	8.9	12.6	1.8	62.8	64.2	61.3
Singapore	654	78.6	14.9	4.1	1.7	0.7	78.6	80.7	76.4
Slovenia	575	70.8	14.2	13.7	1.1	0.2	70.8	72.3	69.3
Sweden	715	69.5	18.9	6.5	3.4	1.6	69.5	69.6	69.5
Syrian Arab Republic	663	26.1	8.4	43.4	20.2	1.9	26.1	23.2	29.0
Thailand	768	71.1	14.6	9.4	3.6	1.2	71.1	76.8	65.2
Tunisia	583	59.3	17.1	16.4	5.3	1.9	59.3	58.9	59.7
Turkey	648	46.9	20.0	22.4	10.6	0.2	46.9	54.4	39.4
Ukraine	629	56.4	15.5	12.5	14.5	1.0	56.4	57.9	54.7
United States	1050	67.5	21.7	8.6	1.8	0.3	67.5	66.4	68.6
International Avg.	641	56.0	15.0	18.0	9.7	1.3	56.0	57.3	54.6
Basque Country, Spain	332	56.2	28.6	8.3	6.6	0.3	56.2	52.3	60.0
British Columbia, Canada	603	71.0	16.3	8.3	3.5	0.8	71.0	69.4	72.7
Dubai, UAE	470	59.8	20.6	12.5	5.8	1.4	59.8	54.7	64.8
Massachusetts, US	281	79.7	14.4	4.9	0.6	0.3	79.7	79.8	79.7
Minnesota, US	243	75.7	17.1	6.8	0.0	0.5	75.7	69.9	81.0
Ontario, Canada	486	65.1	24.0	8.1	2.3	0.5	65.1	68.5	61.4
Quebec, Canada	543	74.9	14.5	7.2	2.0	1.5	74.9	73.5	76.2

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Data and Chance / Applying (M032681B - M11_13B)
 Label: Car production graph/average by hour
 Type: CR Key: -

COUNTRY	N	10	70	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	767	4.4	9.6	57.8	18.9	9.4	4.4	3.8	4.9
Armenia	672	26.9	3.7	28.4	32.0	9.1	26.9	28.7	24.8
Australia	582	45.3	4.6	43.8	3.8	2.5	45.3	41.6	48.7
Bahrain	596	18.8	6.1	58.3	11.4	5.4	18.8	16.6	20.9
Bosnia and Herzegovina	599	27.0	3.9	38.8	20.5	9.8	27.0	21.8	32.0
Botswana	604	26.1	18.3	50.1	3.8	1.6	26.1	23.1	29.5
Bulgaria	569	36.6	4.3	30.3	16.5	12.4	36.6	33.9	39.2
Chinese Taipei	574	62.7	1.5	27.6	6.7	1.5	62.7	59.4	65.9
Colombia	696	19.1	15.7	43.8	16.6	4.8	19.1	14.6	24.3
Cyprus	620	21.2	1.9	52.7	16.9	7.3	21.2	18.7	23.9
Czech Republic	687	41.6	3.5	39.9	12.7	2.3	41.6	41.2	42.0
Egypt	942	16.1	3.1	63.0	11.4	6.3	16.1	12.3	19.9
El Salvador	589	9.4	7.3	62.0	11.8	9.5	9.4	8.6	10.3
England	584	55.3	4.0	36.5	3.0	1.2	55.3	52.9	58.1
Georgia	587	9.9	0.9	30.6	35.2	23.4	9.9	11.6	8.0
Ghana	762	9.4	15.5	48.7	15.7	10.7	9.4	7.1	11.4
Hong Kong SAR	494	54.3	1.7	37.8	3.5	2.7	54.3	52.3	56.2
Hungary	593	46.5	5.7	35.5	10.1	2.3	46.5	43.4	49.2
Indonesia	593	25.8	7.7	52.6	8.9	5.1	25.8	23.4	28.8
Iran, Islamic Rep. of	578	21.3	4.3	50.8	14.8	8.8	21.3	14.9	26.7
Israel	459	30.2	1.7	43.1	15.2	9.8	30.2	27.2	33.7
Italy	625	31.5	1.2	49.8	9.8	7.7	31.5	28.6	34.2
Japan	612	53.1	2.9	38.7	4.5	0.9	53.1	50.3	55.9
Jordan	768	16.9	3.3	66.5	10.2	3.1	16.9	13.8	19.8
Korea, Rep. of	603	44.3	5.6	44.7	4.0	1.5	44.3	34.1	53.6
Kuwait	570	8.6	3.3	60.5	14.3	13.3	8.6	10.0	7.0
Lebanon	538	17.5	7.5	46.9	17.9	10.1	17.5	12.8	23.4
Lithuania	573	25.8	3.5	58.2	10.3	2.1	25.8	23.9	27.6
Malaysia	638	30.1	2.3	57.6	7.7	2.3	30.1	27.2	33.4
Malta	666	31.2	6.2	51.0	8.1	3.5	31.2	28.4	34.2
Morocco	463	5.6	8.8	47.0	21.5	17.2	5.6	6.2	4.7
Norway	663	29.4	4.9	52.3	10.9	2.5	29.4	24.1	34.4
Oman	686	8.0	6.2	72.3	8.2	5.3	8.0	6.1	10.1
Palestinian Nat'l Auth.	633	6.6	7.2	72.9	8.8	4.6	6.6	6.1	7.0
Qatar	1013	5.6	6.7	65.9	10.7	11.1	5.6	6.4	4.9
Romania	602	29.7	8.5	44.4	10.1	7.3	29.7	28.9	30.6
Russian Federation	626	25.3	0.5	55.1	14.7	4.3	25.3	27.0	23.5
Saudi Arabia	620	10.3	2.6	71.6	9.8	5.7	10.3	9.3	11.3
Scotland	571	46.3	5.0	41.7	4.8	2.3	46.3	45.4	47.0
Serbia	578	32.5	3.8	35.6	20.2	7.9	32.5	33.1	31.8
Singapore	654	54.6	0.7	40.1	3.2	1.4	54.6	53.1	56.0
Slovenia	575	42.1	1.6	49.8	5.6	0.9	42.1	37.9	46.3
Sweden	715	39.2	1.8	43.3	11.6	4.1	39.2	35.2	42.7
Syrian Arab Republic	663	8.0	1.9	64.4	15.3	10.4	8.0	6.7	9.3
Thailand	768	35.5	10.5	39.7	10.1	4.2	35.5	36.7	34.3
Tunisia	583	36.0	16.9	33.9	8.8	4.3	36.0	27.5	46.5
Turkey	648	44.8	2.2	37.5	9.2	6.4	44.8	45.0	44.5
Ukraine	629	13.9	0.1	58.0	19.4	8.5	13.9	11.5	16.9
United States	1050	46.6	7.4	42.2	2.9	1.0	46.6	42.5	50.7
International Avg.	642	28.3	5.3	48.4	11.9	6.1	28.3	26.0	30.6
Basque Country, Spain	332	26.8	2.9	52.5	14.1	3.8	26.8	25.2	28.3
British Columbia, Canada	603	42.3	4.2	44.9	5.5	3.0	42.3	39.1	45.5
Dubai, UAE	470	31.4	8.5	46.8	9.6	3.7	31.4	31.5	31.4
Massachusetts, US	281	51.7	2.1	42.0	3.3	0.9	51.7	50.7	52.7
Minnesota, US	243	46.6	3.8	46.5	2.6	0.5	46.6	42.5	50.3
Ontario, Canada	486	35.9	7.6	48.6	5.5	2.4	35.9	30.3	41.6
Quebec, Canada	543	33.1	5.6	51.9	7.2	2.3	33.1	27.8	38.0

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Data and Chance / Applying (M032681C - M11_13C)
 Label: Car production graph/identify time
 Type: CR Key: -

COUNTRY	N	10	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	767	2.6	71.6	15.4	10.5	2.6	1.5	3.6
Armenia	670	27.7	30.5	27.6	14.2	27.7	28.2	27.2
Australia	582	63.6	33.2	0.6	2.6	63.6	54.8	71.6
Bahrain	596	5.6	85.6	2.9	5.9	5.6	5.4	5.7
Bosnia and Herzegovina	599	22.7	54.4	10.7	12.2	22.7	20.3	25.1
Botswana	604	10.3	85.5	2.0	2.2	10.3	8.6	12.2
Bulgaria	569	27.6	45.6	13.5	13.2	27.6	23.2	32.1
Chinese Taipei	574	65.2	30.6	2.0	2.1	65.2	61.6	68.7
Colombia	697	13.7	68.1	5.6	12.6	13.7	9.7	18.3
Cyprus	620	22.2	64.3	5.3	8.3	22.2	23.6	20.7
Czech Republic	687	40.7	52.3	3.9	3.1	40.7	32.4	48.7
Egypt	942	3.9	81.9	6.4	7.8	3.9	1.6	6.1
El Salvador	589	7.2	72.2	10.7	9.8	7.2	4.9	9.9
England	584	71.6	26.2	0.9	1.4	71.6	67.0	76.7
Georgia	587	6.8	38.6	29.7	24.8	6.8	6.6	7.2
Ghana	762	2.3	72.3	12.8	12.6	2.3	2.7	1.9
Hong Kong SAR	494	68.7	28.1	0.5	2.7	68.7	68.0	69.4
Hungary	593	49.2	46.7	1.7	2.4	49.2	45.2	52.7
Indonesia	593	7.7	82.8	3.8	5.7	7.7	7.2	8.4
Iran, Islamic Rep. of	578	8.1	77.1	5.1	9.7	8.1	6.4	9.6
Israel	459	33.0	49.4	6.3	11.3	33.0	29.4	37.1
Italy	625	23.0	64.4	4.6	8.0	23.0	20.3	25.5
Japan	612	77.9	19.9	1.1	1.1	77.9	75.1	80.7
Jordan	768	13.0	79.8	3.7	3.5	13.0	10.4	15.4
Korea, Rep. of	603	77.1	21.3	0.2	1.5	77.1	74.4	79.5
Kuwait	570	1.6	74.8	9.6	14.0	1.6	0.3	3.1
Lebanon	538	14.5	62.6	11.5	11.4	14.5	11.6	18.1
Lithuania	573	38.5	57.3	1.8	2.4	38.5	33.5	43.1
Malaysia	638	23.6	72.7	1.2	2.5	23.6	20.8	26.8
Malta	666	32.2	60.1	3.3	4.4	32.2	27.4	37.4
Morocco	463	4.1	62.1	15.8	18.0	4.1	4.2	4.0
Norway	663	45.9	48.3	2.3	3.6	45.9	40.6	51.0
Oman	686	3.2	85.1	5.9	5.8	3.2	2.8	3.6
Palestinian Nat'l Auth.	633	3.3	86.5	4.6	5.5	3.3	2.2	4.5
Qatar	1013	3.0	76.0	8.5	12.5	3.0	3.1	2.9
Romania	602	15.3	68.7	7.5	8.5	15.3	14.9	15.8
Russian Federation	626	36.6	43.1	12.9	7.3	36.6	33.9	39.7
Saudi Arabia	620	1.7	87.4	4.7	6.2	1.7	0.8	2.6
Scotland	571	59.7	36.6	0.9	2.8	59.7	55.6	63.4
Serbia	578	32.5	50.1	7.7	9.6	32.5	25.1	40.3
Singapore	654	67.9	29.2	1.4	1.4	67.9	68.1	67.6
Slovenia	575	51.4	46.7	0.7	1.2	51.4	46.1	56.7
Sweden	715	68.8	25.4	1.2	4.6	68.8	63.9	72.9
Syrian Arab Republic	663	2.8	71.5	13.9	11.7	2.8	1.7	4.0
Thailand	768	28.6	63.1	2.4	5.9	28.6	28.0	29.3
Tunisia	583	12.2	77.6	4.5	5.7	12.2	8.7	16.6
Turkey	648	25.9	61.8	5.3	7.0	25.9	26.6	25.3
Ukraine	629	22.6	47.3	17.0	13.1	22.6	17.5	28.5
United States	1050	56.7	41.0	1.1	1.1	56.7	50.0	63.3
International Avg.	642	28.7	57.5	6.6	7.3	28.7	26.0	31.3
Basque Country, Spain	332	45.2	46.4	4.0	4.3	45.2	39.8	50.4
British Columbia, Canada	603	57.3	37.0	2.0	3.7	57.3	52.6	62.0
Dubai, UAE	470	29.8	62.0	3.4	4.7	29.8	24.0	35.7
Massachusetts, US	281	70.3	28.4	0.4	0.9	70.3	61.3	79.4
Minnesota, US	243	68.5	31.0	0.1	0.5	68.5	60.2	76.0
Ontario, Canada	486	46.1	51.0	0.5	2.4	46.1	40.7	51.6
Quebec, Canada	543	57.5	38.5	1.4	2.6	57.5	49.7	64.7

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Number / Knowing (M042015 - M12_01)
 Label: What is the value of cube of 3
 Type: MC Key: C

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	776	21.7	9.2	62.6	21.7	4.2	2.1	0.2	21.3	22.1
Armenia	658	80.0	1.1	13.8	80.0	0.4	4.4	0.2	82.3	77.4
Australia	575	58.7	4.0	35.9	58.7	0.6	0.6	0.2	56.5	60.7
Bahrain	603	46.3	8.7	41.8	46.3	2.8	0.5	0.0	56.0	36.8
Bosnia and Herzegovina	605	79.1	1.4	18.3	79.1	1.2	0.0	0.0	80.5	78.0
Botswana	605	23.1	11.3	59.6	23.1	5.7	0.3	0.0	23.7	22.5
Bulgaria	562	76.1	2.6	17.2	76.1	1.2	2.1	0.8	75.8	76.4
Chinese Taipei	582	83.7	1.1	14.7	83.7	0.5	0.0	0.0	84.3	83.1
Colombia	695	62.8	6.5	27.7	62.8	1.5	1.4	0.1	59.1	66.9
Cyprus	631	79.8	1.0	17.7	79.8	1.1	0.4	0.0	81.9	77.7
Czech Republic	696	77.6	0.4	21.5	77.6	0.5	0.0	0.0	78.5	76.7
Egypt	941	61.5	7.9	28.4	61.5	1.7	0.5	0.0	66.2	56.7
El Salvador	590	43.7	12.2	36.3	43.7	5.4	2.4	0.1	39.4	48.5
England	589	67.0	3.5	27.2	67.0	1.9	0.1	0.4	63.4	70.3
Georgia	597	55.9	4.6	34.4	55.9	2.6	2.5	0.0	59.5	52.9
Ghana	765	47.4	8.6	40.1	47.4	3.5	0.3	0.0	40.9	52.4
Hong Kong SAR	495	90.8	1.6	7.2	90.8	0.0	0.2	0.2	89.3	92.2
Hungary	586	82.1	0.8	15.3	82.1	1.7	0.0	0.1	81.9	82.2
Indonesia	584	62.3	3.9	32.0	62.3	1.5	0.2	0.2	68.6	55.0
Iran, Islamic Rep. of	561	53.2	6.4	39.8	53.2	0.6	0.0	0.0	59.2	48.1
Israel	455	73.3	2.9	22.0	73.3	1.1	0.7	0.0	73.1	73.6
Italy	629	88.2	0.7	11.0	88.2	0.1	0.0	0.0	88.7	87.8
Japan	617	81.3	1.0	17.4	81.3	0.0	0.3	0.0	81.3	81.3
Jordan	758	62.2	5.5	30.1	62.2	1.8	0.3	0.0	71.9	53.0
Korea, Rep. of	606	92.0	1.2	6.5	92.0	0.2	0.2	0.0	93.8	90.2
Kuwait	575	31.9	11.9	53.6	31.9	1.5	1.1	0.0	34.1	29.2
Lebanon	543	85.9	0.0	12.6	85.9	1.0	0.5	0.0	82.7	89.5
Lithuania	579	82.4	0.8	15.6	82.4	0.7	0.4	0.1	84.6	80.3
Malaysia	643	75.0	1.9	20.2	75.0	2.3	0.5	0.2	82.5	66.7
Malta	665	74.2	3.7	20.9	74.2	1.3	0.0	0.0	75.8	72.5
Morocco	343	40.2	4.8	50.7	40.2	3.5	0.7	0.0	38.3	42.3
Norway	663	12.1	13.3	66.3	12.1	6.4	1.9	0.0	12.2	12.0
Oman	679	49.7	15.1	31.7	49.7	1.8	1.4	0.4	60.0	38.4
Palestinian Nat'l Auth.	629	48.8	7.8	35.7	48.8	7.2	0.5	0.0	55.3	42.1
Qatar	1023	44.0	15.9	33.4	44.0	5.4	1.2	0.1	45.0	43.1
Romania	602	82.3	1.6	14.2	82.3	1.5	0.3	0.0	86.6	77.8
Russian Federation	633	86.9	0.7	12.3	86.9	0.0	0.0	0.0	91.2	81.4
Saudi Arabia	610	34.5	22.8	40.4	34.5	1.4	0.9	0.0	38.1	31.2
Scotland	573	46.8	6.1	42.3	46.8	4.0	0.8	0.0	49.5	44.2
Serbia	582	84.0	0.1	15.2	84.0	0.5	0.0	0.1	88.3	79.8
Singapore	655	84.3	0.7	14.4	84.3	0.4	0.2	0.0	88.4	80.4
Slovenia	570	93.2	0.0	6.5	93.2	0.2	0.1	0.0	95.1	91.4
Sweden	724	43.0	5.2	46.7	43.0	4.2	0.7	0.2	44.5	41.6
Syrian Arab Republic	647	48.1	6.7	41.0	48.1	3.1	1.0	0.0	46.8	49.6
Thailand	775	60.9	3.8	32.9	60.9	2.2	0.2	0.0	68.3	53.3
Tunisia	589	75.4	1.8	21.7	75.4	0.8	0.2	0.0	73.1	78.0
Turkey	647	63.4	6.3	27.8	63.4	2.4	0.1	0.0	66.6	60.5
Ukraine	635	70.3	4.0	22.6	70.3	2.6	0.5	0.0	75.5	65.4
United States	1040	83.9	1.5	13.5	83.9	0.3	0.8	0.0	85.2	82.6
International Avg.	641	64.3	5.0	28.0	64.3	2.0	0.7	0.1	66.2	62.4
Basque Country, Spain	327	88.2	0.8	10.7	88.2	0.3	0.0	0.0	88.9	87.7
British Columbia, Canada	607	72.4	3.2	22.9	72.4	0.4	1.1	0.0	74.7	70.1
Dubai, UAE	455	73.6	3.1	21.5	73.6	0.5	0.9	0.4	76.9	70.2
Massachusetts, US	280	89.3	1.2	7.9	89.3	0.5	0.8	0.3	88.5	90.2
Minnesota, US	242	91.3	1.8	6.9	91.3	0.0	0.0	0.0	89.0	93.6
Ontario, Canada	482	72.8	1.7	23.7	72.8	0.9	0.8	0.0	72.8	72.9
Quebec, Canada	538	80.8	0.8	18.0	80.8	0.1	0.2	0.0	80.6	81.1

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Number / Knowing (M042196 - M12_02)
 Label: Speed on the speedometer
 Type: MC Key: C

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	776	19.2	38.1	30.8	19.2	10.1	1.7	0.2	13.8	24.3
Armenia	656	38.1	28.8	26.2	38.1	3.7	3.0	0.2	35.2	41.1
Australia	575	63.9	14.6	16.3	63.9	4.6	0.5	0.2	59.9	67.4
Bahrain	603	33.1	30.6	28.6	33.1	7.3	0.4	0.0	26.7	39.4
Bosnia and Herzegovina	605	40.2	24.2	31.1	40.2	4.3	0.2	0.0	31.8	47.2
Botswana	605	30.5	42.7	22.8	30.5	3.5	0.4	0.1	26.5	34.9
Bulgaria	562	49.6	14.4	30.3	49.6	2.3	2.6	0.8	46.8	52.7
Chinese Taipei	582	67.6	16.4	14.7	67.6	1.3	0.0	0.0	64.9	70.0
Colombia	695	25.5	35.1	32.5	25.5	5.8	0.8	0.2	19.1	32.8
Cyprus	631	51.0	15.9	26.4	51.0	6.1	0.7	0.0	49.4	52.6
Czech Republic	696	65.3	11.8	20.7	65.3	1.7	0.4	0.0	60.7	70.2
Egypt	943	22.1	33.8	39.5	22.1	3.9	0.7	0.0	15.7	28.5
El Salvador	590	24.1	39.9	25.1	24.1	9.7	1.1	0.1	20.4	28.2
England	589	80.9	8.3	8.3	80.9	2.0	0.1	0.4	80.5	81.3
Georgia	597	29.8	25.6	31.3	29.8	11.7	1.7	0.0	26.9	32.2
Ghana	765	16.5	49.8	27.5	16.5	5.6	0.4	0.1	16.4	16.6
Hong Kong SAR	495	82.1	7.3	7.3	82.1	3.1	0.0	0.2	82.2	82.0
Hungary	586	62.6	9.4	25.1	62.6	2.6	0.2	0.1	56.3	69.0
Indonesia	584	25.6	42.8	25.2	25.6	6.0	0.2	0.2	26.3	24.8
Iran, Islamic Rep. of	561	23.0	40.2	33.7	23.0	2.9	0.2	0.0	16.2	28.8
Israel	455	52.3	9.7	28.0	52.3	9.3	0.8	0.0	41.0	65.0
Italy	629	47.2	23.6	25.7	47.2	3.4	0.2	0.0	41.9	52.3
Japan	617	82.9	7.1	9.2	82.9	0.6	0.1	0.0	83.6	82.2
Jordan	758	29.8	31.5	30.5	29.8	8.1	0.1	0.0	22.6	36.7
Korea, Rep. of	606	79.4	11.4	7.6	79.4	1.5	0.2	0.0	77.6	81.2
Kuwait	575	32.7	22.6	34.0	32.7	9.8	0.8	0.0	29.5	36.6
Lebanon	540	43.6	25.6	23.5	43.6	6.1	1.1	0.0	36.3	52.0
Lithuania	579	66.1	10.5	21.6	66.1	1.4	0.4	0.1	59.3	72.6
Malaysia	643	62.5	19.4	15.9	62.5	2.1	0.0	0.2	65.5	59.2
Malta	665	68.3	13.8	13.3	68.3	4.6	0.0	0.0	69.2	67.4
Morocco	345	31.1	41.3	18.2	31.1	9.1	0.2	0.0	22.3	40.3
Norway	663	60.6	10.9	22.4	60.6	6.1	0.0	0.0	54.8	66.5
Oman	679	21.7	32.9	37.0	21.7	7.3	0.6	0.5	17.6	26.2
Palestinian Nat'l Auth.	629	19.1	36.3	30.7	19.1	13.3	0.4	0.2	14.6	23.7
Qatar	1023	24.5	27.0	35.4	24.5	12.4	0.6	0.1	20.5	28.5
Romania	602	34.5	24.9	33.1	34.5	7.2	0.2	0.0	29.6	39.7
Russian Federation	633	61.9	12.5	23.4	61.9	2.2	0.0	0.0	58.6	66.1
Saudi Arabia	611	21.9	34.4	32.5	21.9	11.1	0.1	0.0	16.1	27.3
Scotland	573	76.1	11.7	10.2	76.1	2.0	0.0	0.0	77.3	74.8
Serbia	581	47.7	21.1	28.0	47.7	3.1	0.0	0.1	46.0	49.3
Singapore	655	87.1	7.1	4.4	87.1	1.2	0.2	0.0	88.9	85.3
Slovenia	570	76.3	7.8	14.6	76.3	1.3	0.0	0.0	73.9	78.8
Sweden	724	64.9	11.0	19.8	64.9	3.7	0.3	0.2	63.4	66.2
Syrian Arab Republic	647	23.1	29.0	38.7	23.1	7.7	1.5	0.0	17.1	29.7
Thailand	775	51.5	25.8	20.8	51.5	1.7	0.1	0.0	51.2	51.8
Tunisia	589	21.8	38.3	31.6	21.8	7.4	1.0	0.0	15.0	29.3
Turkey	647	36.6	28.7	27.9	36.6	6.5	0.3	0.0	29.0	43.7
Ukraine	635	48.8	20.5	25.5	48.8	4.9	0.4	0.0	44.4	52.9
United States	1040	67.5	12.2	16.1	67.5	3.7	0.5	0.0	63.1	71.9
International Avg.	640	46.8	23.2	24.1	46.8	5.2	0.5	0.1	43.0	50.6
Basque Country, Spain	327	51.9	26.7	20.5	51.9	0.9	0.0	0.0	48.0	55.0
British Columbia, Canada	607	65.7	8.6	21.2	65.7	3.5	1.0	0.0	60.4	71.0
Dubai, UAE	455	49.5	24.1	20.7	49.5	4.2	1.2	0.4	47.4	51.6
Massachusetts, US	280	77.6	5.2	13.8	77.6	2.1	1.0	0.3	73.5	82.5
Minnesota, US	242	78.0	7.6	10.5	78.0	3.9	0.0	0.0	73.4	82.6
Ontario, Canada	482	63.8	10.5	19.4	63.8	5.4	0.8	0.0	60.2	67.7
Quebec, Canada	538	67.9	5.8	17.5	67.9	8.3	0.4	0.0	65.7	70.0

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Number / Knowing (M042194 - M12_03)
 Label: Present of games the team lose
 Type: CR Key: -

COUNTRY	N	10	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	764	36.2	56.8	6.7	0.2	36.2	24.1	48.0
Armenia	655	73.5	14.5	11.8	0.2	73.5	74.5	72.5
Australia	575	80.3	18.6	1.0	0.2	80.3	73.2	86.5
Bahrain	603	45.2	50.5	4.4	0.0	45.2	31.2	58.8
Bosnia and Herzegovina	605	62.3	27.9	9.7	0.0	62.3	49.5	73.0
Botswana	605	25.9	72.5	1.6	0.1	25.9	25.4	26.4
Bulgaria	562	57.1	26.7	15.3	0.9	57.1	46.4	69.0
Chinese Taipei	582	84.4	13.1	2.5	0.0	84.4	79.6	88.5
Colombia	695	44.7	48.7	6.4	0.2	44.7	28.8	62.4
Cyprus	631	60.3	31.5	8.2	0.0	60.3	55.8	64.9
Czech Republic	696	81.7	16.3	2.0	0.0	81.7	74.9	89.0
Egypt	944	32.7	59.2	8.1	0.0	32.7	22.6	42.7
El Salvador	590	40.7	50.8	8.4	0.1	40.7	31.5	51.0
England	589	88.7	10.1	0.8	0.4	88.7	85.0	92.3
Georgia	597	53.5	29.1	17.5	0.0	53.5	47.5	58.5
Ghana	765	9.7	82.4	7.7	0.1	9.7	6.5	12.2
Hong Kong SAR	495	79.7	17.3	2.8	0.2	79.7	78.0	81.5
Hungary	586	83.5	14.3	2.1	0.1	83.5	79.8	87.2
Indonesia	584	28.4	65.1	6.3	0.2	28.4	23.5	34.0
Iran, Islamic Rep. of	561	42.7	51.2	6.1	0.0	42.7	31.5	52.3
Israel	456	71.0	20.5	8.1	0.4	71.0	61.8	81.3
Italy	628	74.1	21.6	4.3	0.0	74.1	67.3	80.7
Japan	617	84.7	13.9	1.4	0.0	84.7	81.4	88.2
Jordan	758	47.0	49.4	3.6	0.0	47.0	32.7	60.5
Korea, Rep. of	606	87.3	12.0	0.7	0.0	87.3	84.0	90.4
Kuwait	575	39.6	54.0	6.4	0.0	39.6	28.8	52.6
Lebanon	543	38.2	53.3	8.5	0.1	38.2	26.8	51.0
Lithuania	579	79.4	18.6	2.0	0.1	79.4	73.9	84.8
Malaysia	643	53.2	43.2	3.4	0.2	53.2	47.4	59.5
Malta	665	66.7	30.8	2.4	0.0	66.7	59.9	73.9
Morocco	345	40.2	53.1	6.7	0.0	40.2	23.5	57.4
Norway	663	84.0	14.8	1.2	0.0	84.0	81.0	87.1
Oman	679	25.2	68.9	5.4	0.5	25.2	18.6	32.5
Palestinian Nat'l Auth.	629	26.0	70.3	3.5	0.2	26.0	16.7	35.6
Qatar	1023	26.1	65.5	8.3	0.1	26.1	18.7	33.5
Romania	602	58.3	34.6	7.2	0.0	58.3	52.1	64.7
Russian Federation	633	70.0	27.7	2.4	0.0	70.0	65.3	76.0
Saudi Arabia	611	27.1	67.2	5.7	0.0	27.1	19.2	34.4
Scotland	573	83.4	14.2	2.3	0.0	83.4	78.7	88.2
Serbia	582	69.1	24.1	6.6	0.1	69.1	60.1	77.9
Singapore	655	88.7	10.7	0.6	0.0	88.7	89.3	88.2
Slovenia	570	79.2	18.2	2.6	0.0	79.2	74.5	84.1
Sweden	724	88.9	9.7	1.1	0.2	88.9	87.9	89.8
Syrian Arab Republic	647	47.0	45.9	7.0	0.0	47.0	35.1	59.9
Thailand	775	57.1	39.8	3.0	0.0	57.1	58.1	56.1
Tunisia	590	51.4	44.7	3.9	0.0	51.4	42.4	61.4
Turkey	647	60.5	36.1	3.4	0.0	60.5	51.1	69.3
Ukraine	635	66.8	30.1	3.1	0.0	66.8	59.2	73.9
United States	1040	77.6	21.6	0.9	0.0	77.6	73.0	82.2
International Avg.	640	58.8	36.1	5.0	0.1	58.8	51.8	65.8
Basque Country, Spain	327	82.1	13.4	4.5	0.0	82.1	73.8	88.6
British Columbia, Canada	607	83.0	15.7	1.4	0.0	83.0	77.7	88.2
Dubai, UAE	455	61.8	33.3	4.5	0.4	61.8	56.5	67.0
Massachusetts, US	280	89.1	10.2	0.4	0.3	89.1	84.8	94.3
Minnesota, US	242	86.6	13.0	0.3	0.0	86.6	83.2	90.0
Ontario, Canada	482	82.3	16.9	0.8	0.0	82.3	76.7	88.4
Quebec, Canada	538	87.0	9.8	3.2	0.0	87.0	82.8	90.9

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Number / Knowing (M042114A - M12_04A)

Label: Complete the table

Type: CR Key: -

COUNTRY	N	10	70	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	766	54.6	2.9	28.6	13.4	0.6	54.6	49.5	59.5
Armenia	655	47.5	2.2	17.1	32.8	0.4	47.5	47.7	47.2
Australia	575	67.3	3.7	22.0	6.8	0.2	67.3	57.5	75.9
Bahrain	603	24.9	5.2	48.1	21.5	0.3	24.9	18.0	31.7
Bosnia and Herzegovina	605	48.5	5.2	15.8	30.2	0.2	48.5	42.7	53.4
Botswana	605	16.2	3.8	43.0	37.0	0.1	16.2	11.6	21.2
Bulgaria	562	56.8	7.0	9.8	25.4	1.0	56.8	54.1	59.8
Chinese Taipei	582	74.0	2.6	14.6	8.7	0.0	74.0	70.3	77.3
Colombia	695	29.9	5.2	42.8	21.8	0.4	29.9	21.7	39.0
Cyprus	631	57.6	4.1	21.5	16.8	0.0	57.6	51.8	63.7
Czech Republic	696	67.9	4.2	15.1	12.8	0.0	67.9	62.1	74.1
Egypt	944	34.0	5.5	42.0	18.5	0.0	34.0	26.2	41.7
El Salvador	590	23.9	5.9	32.8	37.0	0.4	23.9	18.8	29.6
England	589	74.6	2.9	15.1	7.1	0.4	74.6	67.2	81.6
Georgia	597	36.1	3.3	16.8	43.7	0.0	36.1	31.9	39.6
Ghana	765	11.8	6.2	36.7	45.2	0.1	11.8	7.2	15.3
Hong Kong SAR	495	80.1	2.6	7.8	9.4	0.2	80.1	81.6	78.5
Hungary	586	70.1	4.0	16.5	9.3	0.1	70.1	63.3	77.2
Indonesia	583	29.7	5.2	42.6	22.4	0.2	29.7	25.9	34.0
Iran, Islamic Rep. of	561	30.4	5.4	45.0	19.2	0.0	30.4	21.8	37.7
Israel	456	61.8	3.1	17.0	17.4	0.7	61.8	56.9	67.3
Italy	629	49.2	2.3	20.0	28.5	0.0	49.2	43.2	55.0
Japan	617	75.8	2.1	17.2	4.9	0.0	75.8	70.4	81.6
Jordan	758	44.4	3.4	36.7	15.5	0.0	44.4	40.3	48.2
Korea, Rep. of	606	80.4	2.9	14.0	2.7	0.0	80.4	75.1	85.5
Kuwait	575	26.4	5.0	42.6	26.0	0.0	26.4	23.0	30.5
Lebanon	543	54.8	2.0	25.5	17.6	0.1	54.8	48.5	61.9
Lithuania	579	76.0	5.2	10.1	8.7	0.1	76.0	72.3	79.6
Malaysia	643	44.4	3.4	36.9	14.8	0.4	44.4	38.7	50.6
Malta	665	53.2	3.5	28.6	14.7	0.0	53.2	52.5	53.9
Morocco	345	49.5	2.5	30.3	17.7	0.0	49.5	36.2	63.3
Norway	663	67.7	6.4	16.8	9.1	0.0	67.7	63.9	71.6
Oman	679	16.6	4.9	57.5	20.3	0.7	16.6	13.7	19.8
Palestinian Nat'l Auth.	629	23.3	6.0	53.1	17.4	0.2	23.3	20.3	26.4
Qatar	1023	10.4	3.0	40.9	45.6	0.1	10.4	8.4	12.3
Romania	602	59.6	2.5	18.9	19.0	0.0	59.6	53.5	65.9
Russian Federation	633	68.7	3.0	17.8	10.4	0.1	68.7	64.1	74.7
Saudi Arabia	611	21.3	8.9	51.7	18.1	0.0	21.3	21.3	21.3
Scotland	573	61.1	2.8	24.7	11.4	0.0	61.1	55.3	67.0
Serbia	582	57.2	3.9	12.9	25.7	0.3	57.2	49.7	64.5
Singapore	655	82.0	2.8	12.2	3.0	0.0	82.0	81.7	82.3
Slovenia	570	74.1	4.9	16.9	4.0	0.0	74.1	67.2	81.2
Sweden	724	75.5	2.8	11.1	10.4	0.2	75.5	72.7	78.1
Syrian Arab Republic	647	40.9	8.5	33.4	17.2	0.0	40.9	34.5	47.9
Thailand	775	42.9	6.5	33.4	17.2	0.0	42.9	43.1	42.6
Tunisia	590	52.5	8.0	24.7	14.6	0.2	52.5	43.8	62.2
Turkey	647	39.3	5.5	32.5	22.4	0.2	39.3	32.5	45.6
Ukraine	635	55.3	9.9	19.6	15.2	0.0	55.3	50.0	60.3
United States	1040	55.2	2.8	31.7	10.3	0.0	55.2	49.7	60.6
International Avg.	640	50.1	4.4	27.0	18.3	0.2	50.1	45.2	55.1
Basque Country, Spain	327	71.9	3.7	11.3	12.7	0.3	71.9	68.8	74.4
British Columbia, Canada	607	64.8	2.6	24.7	7.9	0.0	64.8	56.8	72.7
Dubai, UAE	455	43.5	4.7	30.6	20.8	0.4	43.5	36.8	50.2
Massachusetts, US	280	70.8	1.8	22.3	4.8	0.3	70.8	62.5	80.7
Minnesota, US	242	70.4	1.8	21.9	6.0	0.0	70.4	67.5	73.2
Ontario, Canada	482	65.6	1.7	24.1	8.5	0.0	65.6	58.0	73.9
Quebec, Canada	538	79.3	1.5	12.3	7.0	0.0	79.3	75.0	83.3

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Number / Applying (M042114B - M12_04B)

Label: Number of papers in a 28mm stack

Type: CR Key: -

COUNTRY	N	10	79	OMIT TED	NOT	V1	1.GIRL %Right	2.BOY %Right
					REACH ED			
Algeria	766	31.0	44.6	23.7	0.7	31.0	28.1	33.8
Armenia	655	38.7	28.5	32.2	0.6	38.7	38.5	38.9
Australia	575	54.5	37.8	7.5	0.2	54.5	41.9	65.6
Bahrain	603	16.0	62.8	20.9	0.3	16.0	10.6	21.3
Bosnia and Herzegovina	605	38.3	25.8	35.7	0.2	38.3	34.2	41.8
Botswana	605	13.3	78.3	8.1	0.2	13.3	9.5	17.4
Bulgaria	562	47.4	23.8	27.5	1.2	47.4	45.7	49.4
Chinese Taipei	582	69.3	22.5	8.2	0.0	69.3	66.2	72.0
Colombia	695	21.7	54.6	23.0	0.6	21.7	15.3	28.9
Cyprus	631	46.5	29.4	24.1	0.0	46.5	42.7	50.4
Czech Republic	696	51.7	29.1	19.2	0.0	51.7	46.3	57.4
Egypt	944	27.2	56.0	16.8	0.0	27.2	19.9	34.6
El Salvador	590	16.9	54.3	27.9	0.8	16.9	12.7	21.6
England	589	65.1	28.1	6.4	0.4	65.1	56.5	73.3
Georgia	597	27.8	30.6	41.6	0.0	27.8	26.7	28.7
Ghana	765	8.1	65.7	25.9	0.3	8.1	4.2	11.0
Hong Kong SAR	495	74.9	18.4	6.5	0.2	74.9	75.4	74.4
Hungary	586	56.2	25.8	17.9	0.1	56.2	50.4	62.1
Indonesia	584	22.4	60.6	16.9	0.2	22.4	16.8	28.7
Iran, Islamic Rep. of	561	20.8	47.5	31.7	0.0	20.8	16.9	24.2
Israel	456	49.6	28.1	21.6	0.7	49.6	47.2	52.3
Italy	629	40.9	28.7	30.4	0.0	40.9	34.8	46.9
Japan	617	69.1	24.4	6.6	0.0	69.1	64.0	74.6
Jordan	758	35.7	52.0	12.3	0.0	35.7	32.8	38.6
Korea, Rep. of	606	75.3	22.7	2.0	0.0	75.3	68.6	81.7
Kuwait	575	15.0	59.2	25.8	0.0	15.0	13.0	17.4
Lebanon	542	43.4	31.8	24.7	0.1	43.4	37.8	49.7
Lithuania	579	66.2	22.4	11.4	0.1	66.2	60.6	71.6
Malaysia	643	40.7	49.6	9.0	0.6	40.7	36.5	45.3
Malta	665	45.7	39.3	15.0	0.0	45.7	44.6	46.8
Morocco	345	31.2	40.6	28.0	0.3	31.2	20.1	42.7
Norway	663	51.7	36.1	12.2	0.0	51.7	47.3	56.2
Oman	679	13.2	70.1	15.8	0.9	13.2	12.2	14.3
Palestinian Nat'l Auth.	629	15.1	72.3	12.4	0.2	15.1	14.6	15.6
Qatar	1023	6.8	75.3	17.8	0.1	6.8	5.1	8.4
Romania	602	50.8	31.7	17.5	0.0	50.8	47.8	54.0
Russian Federation	633	55.7	30.2	14.1	0.1	55.7	52.9	59.2
Saudi Arabia	611	11.9	70.4	17.5	0.2	11.9	13.4	10.5
Scotland	573	49.8	38.0	12.2	0.0	49.8	44.5	55.1
Serbia	582	46.4	21.9	31.5	0.3	46.4	37.5	55.0
Singapore	655	76.8	20.9	2.3	0.0	76.8	77.8	75.9
Slovenia	570	60.6	30.5	8.8	0.0	60.6	52.3	69.1
Sweden	724	58.1	29.0	12.7	0.2	58.1	56.3	59.7
Syrian Arab Republic	647	25.1	55.6	19.3	0.0	25.1	18.6	32.1
Thailand	775	40.3	50.8	8.8	0.0	40.3	38.8	41.9
Tunisia	590	34.9	43.3	21.4	0.3	34.9	25.8	45.1
Turkey	647	34.2	51.9	13.7	0.2	34.2	29.9	38.2
Ukraine	635	46.9	35.8	17.3	0.0	46.9	40.1	53.2
United States	1040	48.4	45.5	6.2	0.0	48.4	42.5	54.2
International Avg.	640	40.6	41.5	17.8	0.2	40.6	36.2	44.9
Basque Country, Spain	327	62.5	22.0	15.2	0.3	62.5	57.0	66.7
British Columbia, Canada	607	52.9	39.8	7.4	0.0	52.9	47.0	58.7
Dubai, UAE	455	37.7	41.0	20.6	0.7	37.7	32.1	43.4
Massachusetts, US	280	62.8	31.6	5.3	0.3	62.8	55.7	71.3
Minnesota, US	242	59.1	37.5	3.3	0.0	59.1	54.4	63.7
Ontario, Canada	482	58.2	32.2	9.6	0.0	58.2	53.0	63.8
Quebec, Canada	538	73.0	20.0	7.0	0.0	73.0	73.5	72.5

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Algebra / Applying (M042112 - M12_05)
 Label: Relationship between x and y
 Type: MC Key: D

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	776	41.7	11.2	15.8	21.8	41.7	8.8	0.7	43.4	40.0
Armenia	657	54.2	7.3	10.3	12.8	54.2	14.9	0.6	59.2	48.7
Australia	575	49.3	12.5	17.0	17.2	49.3	3.8	0.2	48.4	50.1
Bahrain	603	52.9	11.8	18.2	13.5	52.9	3.3	0.3	55.1	50.7
Bosnia and Herzegovina	605	58.1	8.1	6.9	16.8	58.1	9.9	0.2	58.6	57.8
Botswana	605	54.5	11.9	12.9	18.5	54.5	1.7	0.4	54.8	54.3
Bulgaria	562	50.3	12.3	12.5	13.1	50.3	10.6	1.2	51.3	49.2
Chinese Taipei	582	68.9	10.1	9.4	11.2	68.9	0.5	0.0	70.2	67.7
Colombia	695	53.6	10.8	11.8	18.9	53.6	4.1	0.8	51.8	55.7
Cyprus	631	51.4	12.7	14.6	16.6	51.4	4.7	0.0	53.7	49.1
Czech Republic	696	58.0	8.1	10.2	12.8	58.0	10.9	0.0	62.2	53.7
Egypt	940	49.2	10.6	19.8	17.2	49.2	3.1	0.0	56.2	42.2
El Salvador	590	39.0	18.6	15.6	20.5	39.0	5.0	1.2	35.0	43.4
England	589	59.1	14.3	11.2	14.2	59.1	0.9	0.4	56.9	61.1
Georgia	597	43.0	9.1	11.9	24.9	43.0	11.1	0.0	46.7	39.9
Ghana	765	47.5	14.4	10.3	25.2	47.5	2.2	0.3	48.0	47.1
Hong Kong SAR	495	63.9	4.8	12.9	16.0	63.9	2.1	0.2	63.3	64.6
Hungary	586	54.0	9.4	12.6	16.7	54.0	7.2	0.1	51.3	56.8
Indonesia	584	52.1	13.2	12.7	19.3	52.1	2.5	0.2	52.4	51.7
Iran, Islamic Rep. of	561	40.4	13.5	12.0	30.4	40.4	3.7	0.0	40.2	40.6
Israel	456	53.8	10.1	10.6	13.5	53.8	10.9	1.0	52.3	55.5
Italy	629	54.2	11.0	14.7	14.5	54.2	5.6	0.0	55.7	52.7
Japan	617	54.6	20.6	11.6	12.0	54.6	1.1	0.0	52.4	57.0
Jordan	758	56.9	11.9	13.0	14.4	56.9	3.8	0.0	58.9	55.0
Korea, Rep. of	606	62.7	14.1	11.1	10.4	62.7	1.7	0.0	65.2	60.3
Kuwait	575	43.4	12.1	22.3	16.9	43.4	5.4	0.0	49.7	35.8
Lebanon	538	60.5	6.4	10.1	13.1	60.5	9.8	0.1	63.5	57.2
Lithuania	579	57.9	7.6	11.9	14.8	57.9	7.7	0.1	57.6	58.2
Malaysia	642	57.8	8.9	13.8	16.4	57.8	2.5	0.6	61.5	53.7
Malta	666	51.2	13.7	11.5	18.1	51.2	5.5	0.0	54.4	47.9
Morocco	345	59.1	6.5	9.7	14.9	59.1	9.4	0.3	63.1	55.0
Norway	663	41.9	11.1	15.1	23.6	41.9	8.2	0.0	40.9	43.0
Oman	680	49.3	12.6	18.0	16.5	49.3	2.3	1.3	54.0	44.2
Palestinian Nat'l Auth.	629	48.2	11.6	20.0	17.5	48.2	2.6	0.2	53.6	42.6
Qatar	1023	33.2	14.0	25.9	25.2	33.2	1.5	0.2	41.4	25.0
Romania	602	56.1	7.5	9.8	21.1	56.1	5.4	0.0	61.0	51.0
Russian Federation	633	57.0	12.8	9.9	13.4	57.0	6.8	0.1	58.7	54.8
Saudi Arabia	611	47.7	7.6	23.5	19.0	47.7	2.0	0.2	53.3	42.5
Scotland	573	56.9	9.5	13.0	15.7	56.9	5.0	0.0	55.4	58.3
Serbia	580	54.7	11.6	8.8	16.1	54.7	8.5	0.3	56.6	52.9
Singapore	655	58.3	14.6	13.4	12.7	58.3	0.9	0.0	60.2	56.5
Slovenia	570	57.9	8.8	11.4	17.9	57.9	4.0	0.0	57.1	58.8
Sweden	724	47.9	8.2	17.1	17.5	47.9	9.1	0.2	46.8	48.8
Syrian Arab Republic	647	46.5	9.5	18.8	20.3	46.5	4.7	0.1	51.0	41.8
Thailand	774	64.8	8.9	9.3	15.0	64.8	2.0	0.0	70.4	59.1
Tunisia	590	56.6	8.9	10.3	16.4	56.6	7.4	0.4	56.9	56.1
Turkey	647	55.2	10.3	11.2	20.0	55.2	3.1	0.2	58.3	52.3
Ukraine	635	44.5	15.1	14.0	22.2	44.5	4.1	0.0	49.2	40.2
United States	1040	47.7	19.0	14.6	16.9	47.7	1.8	0.0	49.3	46.2
International Avg.	640	52.6	11.2	13.5	17.2	52.6	5.2	0.2	54.4	50.8
Basque Country, Spain	327	52.1	13.5	14.6	13.1	52.1	6.4	0.3	42.4	59.7
British Columbia, Canada	607	51.3	12.7	15.7	16.5	51.3	3.9	0.0	49.8	52.7
Dubai, UAE	455	59.2	9.1	12.4	13.2	59.2	5.5	0.7	57.4	61.0
Massachusetts, US	280	56.3	16.1	13.2	13.3	56.3	0.8	0.3	52.1	61.2
Minnesota, US	242	46.8	19.9	20.4	11.4	46.8	1.4	0.0	48.0	45.7
Ontario, Canada	482	53.2	10.5	13.0	19.9	53.2	3.3	0.0	48.7	58.0
Quebec, Canada	538	55.8	10.5	12.4	14.5	55.8	6.9	0.0	54.1	57.3

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Algebra / Applying (M042109 - M12_06)
 Label: Formula for the distance car travels
 Type: MC Key: D

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	775	39.1	7.1	16.1	28.9	39.1	7.7	1.0	37.9	40.3
Armenia	657	53.5	6.2	13.0	14.0	53.5	12.3	0.9	56.9	49.9
Australia	575	35.4	8.2	23.8	30.0	35.4	2.3	0.2	33.1	37.5
Bahrain	603	29.7	9.0	25.7	32.8	29.7	2.4	0.3	29.5	29.9
Bosnia and Herzegovina	605	33.2	5.8	18.2	34.5	33.2	8.2	0.2	27.8	37.7
Botswana	605	16.9	10.2	34.9	35.9	16.9	1.7	0.4	13.4	20.7
Bulgaria	562	46.1	6.2	15.5	24.7	46.1	6.2	1.2	52.4	39.2
Chinese Taipei	582	57.4	4.6	18.3	19.3	57.4	0.3	0.0	57.5	57.4
Colombia	695	29.5	7.4	25.9	32.5	29.5	3.6	1.0	29.2	29.9
Cyprus	631	34.7	8.5	22.5	31.7	34.7	2.5	0.1	36.6	32.7
Czech Republic	696	28.2	2.9	24.5	41.0	28.2	3.4	0.0	28.0	28.5
Egypt	943	25.8	9.1	23.9	38.8	25.8	2.3	0.2	24.5	27.1
El Salvador	590	25.2	11.9	24.0	31.6	25.2	5.8	1.5	22.3	28.4
England	589	33.9	5.1	27.4	31.1	33.9	2.1	0.4	33.9	33.8
Georgia	597	42.4	12.7	21.1	16.5	42.4	7.5	0.0	42.1	42.6
Ghana	765	24.2	16.7	24.9	32.0	24.2	1.9	0.3	20.3	27.1
Hong Kong SAR	495	60.5	3.8	13.4	21.4	60.5	0.7	0.2	58.3	62.7
Hungary	586	27.9	3.8	20.7	42.0	27.9	5.4	0.1	26.4	29.3
Indonesia	584	14.8	6.8	27.5	49.4	14.8	1.3	0.2	13.7	15.9
Iran, Islamic Rep. of	561	44.2	10.0	14.0	27.9	44.2	3.9	0.0	48.8	40.3
Israel	456	43.3	8.6	17.0	22.1	43.3	7.9	1.2	43.0	43.5
Italy	628	30.5	4.9	24.9	35.9	30.5	3.8	0.0	29.0	31.8
Japan	617	67.5	2.6	17.0	12.2	67.5	0.8	0.0	67.3	67.6
Jordan	757	40.2	5.9	18.5	32.5	40.2	2.8	0.0	46.6	34.2
Korea, Rep. of	606	60.6	1.3	17.2	20.1	60.6	0.8	0.0	62.0	59.3
Kuwait	575	21.4	13.0	22.6	37.2	21.4	5.8	0.0	21.8	21.0
Lebanon	542	34.1	4.0	18.8	40.4	34.1	2.6	0.1	36.8	30.9
Lithuania	578	37.8	6.0	22.4	31.3	37.8	2.4	0.1	36.4	39.2
Malaysia	642	19.8	4.8	31.9	40.6	19.8	2.3	0.6	20.1	19.6
Malta	665	30.4	4.8	23.3	37.5	30.4	4.0	0.0	32.8	28.0
Morocco	344	30.9	11.3	18.4	35.4	30.9	3.6	0.5	36.1	25.5
Norway	663	26.4	6.3	26.3	35.6	26.4	5.2	0.1	23.7	29.2
Oman	680	29.2	11.8	22.2	32.2	29.2	3.3	1.3	26.3	32.3
Palestinian Nat'l Auth.	629	27.6	10.4	21.5	38.8	27.6	1.6	0.2	27.5	27.6
Qatar	1023	23.9	12.6	29.4	32.5	23.9	1.4	0.2	26.8	21.1
Romania	602	37.2	6.2	20.9	32.9	37.2	2.7	0.0	39.0	35.4
Russian Federation	633	64.4	4.9	10.4	17.8	64.4	2.4	0.1	65.3	63.2
Saudi Arabia	611	26.9	7.0	23.4	40.3	26.9	2.1	0.2	32.6	21.7
Scotland	573	40.2	8.3	23.4	23.6	40.2	4.6	0.0	45.3	35.0
Serbia	582	36.6	5.2	13.9	38.0	36.6	6.1	0.3	34.2	38.9
Singapore	655	71.8	2.0	8.8	16.6	71.8	0.9	0.0	77.1	66.7
Slovenia	570	25.9	5.6	25.7	38.0	25.9	4.8	0.0	24.2	27.7
Sweden	724	27.5	5.2	23.9	37.9	27.5	5.2	0.2	26.1	28.8
Syrian Arab Republic	647	33.1	5.6	22.2	36.0	33.1	3.0	0.1	34.6	31.5
Thailand	775	25.9	9.8	23.7	38.9	25.9	1.7	0.0	22.2	29.8
Tunisia	590	38.1	5.9	16.0	31.3	38.1	7.9	0.9	39.7	36.4
Turkey	647	31.7	9.4	27.5	28.4	31.7	2.7	0.2	25.5	37.5
Ukraine	635	41.6	7.5	19.4	28.9	41.6	2.7	0.0	38.7	44.3
United States	1040	44.5	4.7	26.6	22.8	44.5	1.5	0.0	45.5	43.6
International Avg.	641	36.2	7.2	21.5	31.3	36.2	3.6	0.3	36.3	36.0
Basque Country, Spain	327	31.1	4.0	19.7	41.7	31.1	3.2	0.3	34.5	28.4
British Columbia, Canada	607	48.3	4.6	21.7	22.9	48.3	2.5	0.0	46.3	50.2
Dubai, UAE	455	38.5	4.6	16.6	36.8	38.5	2.9	0.7	38.0	39.1
Massachusetts, US	280	64.1	2.6	13.7	18.6	64.1	0.8	0.3	61.4	67.1
Minnesota, US	242	54.1	3.9	18.1	23.2	54.1	0.7	0.0	54.6	53.5
Ontario, Canada	482	45.3	7.2	21.0	23.4	45.3	3.1	0.0	43.7	47.1
Quebec, Canada	538	40.3	6.7	17.4	31.1	40.3	4.5	0.0	44.6	36.2

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Algebra / Knowing (M042050 - M12_07)
 Label: What is the value of the expression
 Type: CR Key: -

COUNTRY	N	NOT REACH			V1	1.GIRL 2.BOY		
		10	79	OMIT TED		%Right	%Right	
Algeria	747	2.7	61.9	33.9	1.6	2.7	3.3	2.1
Armenia	651	52.6	27.4	18.9	1.1	52.6	58.7	46.2
Australia	575	20.2	68.8	10.9	0.2	20.2	21.5	19.0
Bahrain	603	8.0	79.7	11.9	0.4	8.0	12.0	4.1
Bosnia and Herzegovina	605	42.3	40.3	17.2	0.2	42.3	48.6	37.1
Botswana	605	2.1	92.5	4.3	1.1	2.1	2.3	1.9
Bulgaria	562	46.8	30.0	22.1	1.2	46.8	47.8	45.6
Chinese Taipei	582	68.9	22.4	8.8	0.0	68.9	74.2	64.2
Colombia	695	4.8	65.9	28.3	1.0	4.8	3.9	5.8
Cyprus	631	46.4	39.1	14.4	0.1	46.4	55.6	37.0
Czech Republic	696	38.3	50.1	11.6	0.0	38.3	38.4	38.2
Egypt	944	13.6	77.0	9.3	0.2	13.6	15.1	12.0
El Salvador	590	3.8	60.8	33.9	1.5	3.8	3.5	4.1
England	589	22.6	70.5	6.4	0.4	22.6	15.4	29.5
Georgia	597	22.6	38.6	38.7	0.1	22.6	27.6	18.4
Ghana	765	6.7	78.0	15.0	0.3	6.7	4.9	8.0
Hong Kong SAR	495	67.0	27.5	5.3	0.2	67.0	72.0	61.9
Hungary	586	39.1	54.0	6.8	0.1	39.1	44.1	34.1
Indonesia	583	12.9	75.1	11.7	0.3	12.9	15.0	10.5
Iran, Islamic Rep. of	561	6.3	69.5	24.0	0.3	6.3	8.2	4.6
Israel	456	33.5	43.0	22.3	1.2	33.5	33.7	33.2
Italy	629	28.8	51.3	20.0	0.0	28.8	33.3	24.4
Japan	617	50.7	40.6	8.7	0.0	50.7	51.2	50.2
Jordan	757	22.4	67.1	10.4	0.0	22.4	24.2	20.8
Korea, Rep. of	606	63.0	34.5	2.5	0.0	63.0	61.8	64.1
Kuwait	575	2.7	75.3	22.0	0.0	2.7	2.6	2.8
Lebanon	543	41.4	48.2	10.3	0.1	41.4	40.4	42.4
Lithuania	579	39.4	47.8	12.8	0.1	39.4	41.4	37.5
Malaysia	642	24.7	66.5	8.0	0.8	24.7	27.9	21.2
Malta	666	36.0	51.3	12.7	0.0	36.0	38.8	33.1
Morocco	344	5.3	62.9	31.4	0.5	5.3	5.5	5.0
Norway	663	0.5	74.4	24.9	0.1	0.5	0.6	0.4
Oman	680	11.3	77.7	9.5	1.5	11.3	15.8	6.3
Palestinian Nat'l Auth.	629	11.5	80.3	8.0	0.2	11.5	14.2	8.7
Qatar	1023	4.2	77.9	17.7	0.2	4.2	5.0	3.3
Romania	602	48.3	39.8	11.9	0.0	48.3	52.7	43.7
Russian Federation	633	53.5	35.2	11.1	0.2	53.5	60.2	44.8
Saudi Arabia	611	0.8	84.0	14.7	0.5	0.8	0.9	0.8
Scotland	573	17.0	70.9	12.0	0.0	17.0	19.4	14.7
Serbia	582	55.0	34.8	9.9	0.3	55.0	57.0	53.2
Singapore	655	66.5	32.6	0.9	0.0	66.5	72.8	60.4
Slovenia	570	46.9	44.6	8.5	0.0	46.9	48.6	45.1
Sweden	724	6.3	68.6	24.9	0.2	6.3	8.6	4.2
Syrian Arab Republic	647	16.7	63.0	20.2	0.1	16.7	16.3	17.1
Thailand	775	9.9	79.6	10.4	0.0	9.9	12.5	7.2
Tunisia	590	15.4	67.9	15.8	0.9	15.4	17.4	13.1
Turkey	646	25.8	53.5	20.5	0.2	25.8	30.2	21.7
Ukraine	635	36.6	43.8	19.4	0.3	36.6	38.0	35.2
United States	1040	39.3	57.1	3.5	0.1	39.3	42.5	36.1
International Avg.	640	27.4	57.2	15.1	0.4	27.4	29.5	25.2
Basque Country, Spain	327	35.4	45.9	18.4	0.3	35.4	40.5	31.5
British Columbia, Canada	607	31.6	61.0	7.4	0.0	31.6	31.7	31.5
Dubai, UAE	455	38.3	51.5	9.6	0.7	38.3	41.5	35.0
Massachusetts, US	280	53.5	43.7	2.6	0.3	53.5	52.3	54.8
Minnesota, US	242	35.9	60.5	3.6	0.0	35.9	40.0	31.9
Ontario, Canada	482	34.5	57.0	8.5	0.0	34.5	34.6	34.4
Quebec, Canada	538	36.8	54.3	8.8	0.0	36.8	46.0	28.3

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Algebra / Reasoning (M042074A - M12_08A)
 Label: Number of circles for pattern 4 & 30
 Type: CR Key: -

COUNTRY	N	10	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	765	8.5	69.5	20.0	2.0	8.5	8.9	8.1
Armenia	656	29.8	32.3	36.4	1.5	29.8	33.6	25.8
Australia	575	41.0	54.2	4.6	0.2	41.0	42.7	39.5
Bahrain	603	17.8	67.0	14.7	0.4	17.8	18.1	17.6
Bosnia and Herzegovina	605	42.4	40.8	16.6	0.2	42.4	46.7	38.8
Botswana	605	9.7	71.6	17.5	1.3	9.7	10.2	9.1
Bulgaria	562	32.2	45.2	21.4	1.2	32.2	31.9	32.6
Chinese Taipei	582	67.4	26.4	6.2	0.0	67.4	69.6	65.5
Colombia	695	27.9	59.4	11.4	1.3	27.9	27.4	28.4
Cyprus	631	25.6	67.2	7.2	0.1	25.6	28.5	22.5
Czech Republic	696	35.5	59.0	5.3	0.2	35.5	38.5	32.3
Egypt	945	13.6	69.7	16.6	0.2	13.6	13.9	13.3
El Salvador	590	11.4	53.6	33.4	1.5	11.4	9.0	14.2
England	589	42.0	55.6	2.0	0.4	42.0	41.5	42.5
Georgia	597	14.2	34.0	51.4	0.4	14.2	18.4	10.7
Ghana	765	5.9	64.9	28.8	0.4	5.9	3.4	7.8
Hong Kong SAR	495	55.3	36.0	8.4	0.2	55.3	50.0	60.7
Hungary	586	35.9	58.8	5.1	0.1	35.9	40.2	31.6
Indonesia	584	17.1	60.2	22.4	0.3	17.1	19.5	14.3
Iran, Islamic Rep. of	561	15.5	68.8	14.9	0.8	15.5	16.7	14.5
Israel	456	35.7	47.3	15.6	1.4	35.7	39.4	31.5
Italy	629	35.9	49.4	14.6	0.1	35.9	35.4	36.4
Japan	617	49.3	48.5	2.2	0.0	49.3	49.4	49.3
Jordan	757	34.3	55.5	10.0	0.2	34.3	37.8	31.0
Korea, Rep. of	606	65.2	32.8	2.0	0.0	65.2	64.6	65.8
Kuwait	575	8.8	71.7	19.1	0.4	8.8	8.7	9.0
Lebanon	543	22.3	64.5	13.1	0.1	22.3	19.3	25.5
Lithuania	579	33.2	59.9	6.9	0.1	33.2	35.9	30.6
Malaysia	643	21.8	65.1	12.0	1.1	21.8	23.0	20.5
Malta	666	35.1	57.7	7.1	0.0	35.1	36.5	33.8
Morocco	345	12.4	66.4	20.7	0.5	12.4	15.6	9.2
Norway	663	25.4	65.7	8.8	0.1	25.4	26.5	24.3
Oman	680	15.1	72.0	11.1	1.8	15.1	19.8	10.0
Palestinian Nat'l Auth.	629	13.4	73.3	12.9	0.3	13.4	15.7	11.0
Qatar	1023	6.1	53.6	39.8	0.5	6.1	7.2	4.9
Romania	602	34.9	50.9	14.2	0.0	34.9	35.8	33.9
Russian Federation	633	45.5	45.5	8.5	0.6	45.5	47.3	43.1
Saudi Arabia	611	5.2	79.0	15.3	0.5	5.2	5.5	4.9
Scotland	573	39.6	56.9	3.4	0.0	39.6	45.2	34.1
Serbia	582	45.9	40.2	13.7	0.3	45.9	48.0	43.9
Singapore	655	67.7	29.8	2.5	0.0	67.7	71.3	64.3
Slovenia	570	34.7	61.3	4.0	0.0	34.7	39.4	29.9
Sweden	724	36.6	56.4	6.8	0.2	36.6	41.7	31.9
Syrian Arab Republic	647	14.3	66.0	19.5	0.1	14.3	12.9	15.9
Thailand	775	30.1	54.4	15.5	0.0	30.1	32.5	27.6
Tunisia	590	17.1	67.4	14.6	0.9	17.1	17.0	17.1
Turkey	647	22.5	53.3	24.0	0.2	22.5	23.8	21.2
Ukraine	635	24.6	62.1	13.1	0.3	24.6	24.2	24.9
United States	1040	41.3	52.3	6.4	0.1	41.3	42.2	40.4
International Avg.	640	29.0	56.2	14.3	0.5	29.0	30.4	27.7
Basque Country, Spain	327	34.3	62.0	3.3	0.3	34.3	37.9	31.6
British Columbia, Canada	607	43.7	51.0	5.4	0.0	43.7	43.8	43.5
Dubai, UAE	455	31.4	54.7	13.3	0.7	31.4	30.4	32.3
Massachusetts, US	280	62.2	35.1	2.1	0.6	62.2	60.1	64.7
Minnesota, US	242	52.3	43.8	3.9	0.0	52.3	55.1	49.5
Ontario, Canada	482	55.6	41.4	3.0	0.0	55.6	56.2	54.9
Quebec, Canada	538	49.0	48.5	2.4	0.2	49.0	51.3	46.8

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Algebra / Reasoning (M042074B - M12_08B)
 Label: Procedure for finding the number
 Type: CR Key: -

COUNTRY	N	10	11	12	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	765	0.8	0.3	0.0	56.8	39.4	2.8	1.0	0.9	1.2
Armenia	656	19.1	3.0	4.5	15.3	56.6	1.5	26.6	29.4	23.5
Australia	575	23.7	4.3	10.3	48.1	13.1	0.6	38.2	37.8	38.6
Bahrain	603	9.2	0.1	14.0	50.5	25.2	1.0	23.3	25.2	21.4
Bosnia and Herzegovina	605	12.0	1.1	10.1	29.7	46.8	0.3	23.2	26.2	20.6
Botswana	605	2.3	0.1	1.7	82.2	11.5	2.2	4.1	4.0	4.1
Bulgaria	562	13.4	3.2	4.4	33.5	44.3	1.2	21.0	23.4	18.3
Chinese Taipei	582	18.8	24.6	18.9	25.8	11.9	0.0	62.4	64.5	60.6
Colombia	695	13.5	0.3	13.7	49.4	21.1	2.0	27.6	27.2	27.9
Cyprus	631	14.9	0.0	2.3	55.5	27.3	0.1	17.2	20.6	13.6
Czech Republic	696	24.5	1.2	9.7	42.3	22.3	0.2	35.3	37.7	32.8
Egypt	945	3.3	0.7	14.8	53.4	27.6	0.2	18.8	20.7	16.8
El Salvador	590	2.7	0.0	8.0	45.9	41.6	1.9	10.6	10.7	10.6
England	589	21.5	9.4	6.9	54.3	7.5	0.4	37.8	39.2	36.6
Georgia	597	6.1	0.3	3.1	17.3	72.8	0.4	9.5	11.3	8.0
Ghana	765	3.0	0.2	0.5	54.3	41.2	0.8	3.7	3.5	3.9
Hong Kong SAR	495	34.6	5.5	4.1	38.6	17.0	0.2	44.2	43.2	45.2
Hungary	586	17.1	4.9	11.2	46.2	20.5	0.1	33.2	34.8	31.5
Indonesia	584	6.4	0.6	2.5	66.7	23.2	0.7	9.5	12.0	6.5
Iran, Islamic Rep. of	561	7.6	0.3	19.6	38.7	32.8	0.9	27.5	29.2	26.1
Israel	456	25.7	2.3	3.6	38.4	28.6	1.4	31.6	36.5	26.2
Italy	629	21.9	0.5	8.5	33.9	35.1	0.1	30.9	29.5	32.2
Japan	617	21.8	14.9	8.7	36.5	18.0	0.0	45.5	43.8	47.3
Jordan	757	22.7	2.9	5.8	52.3	16.0	0.2	31.4	33.0	29.8
Korea, Rep. of	606	40.3	5.7	23.2	24.9	5.9	0.0	69.2	65.1	73.1
Kuwait	575	4.0	0.0	2.1	56.6	36.4	0.8	6.1	7.1	5.0
Lebanon	543	7.7	0.2	4.3	57.0	30.7	0.1	12.2	9.7	15.0
Lithuania	579	16.9	0.0	15.7	42.0	25.0	0.4	32.6	38.3	27.1
Malaysia	643	7.8	0.2	4.5	68.3	17.8	1.3	12.6	13.9	11.1
Malta	666	13.5	1.4	4.2	60.3	20.6	0.0	19.1	17.9	20.5
Morocco	345	6.3	0.0	1.3	49.6	42.3	0.5	7.7	9.1	6.2
Norway	663	12.6	0.7	13.9	51.6	21.0	0.1	27.2	30.8	23.6
Oman	680	6.6	2.0	10.3	63.5	15.4	2.2	18.9	23.9	13.3
Palestinian Nat'l Auth.	629	6.0	0.2	4.0	71.7	17.8	0.3	10.2	11.6	8.7
Qatar	1023	1.3	0.4	1.6	68.2	27.9	0.7	3.2	3.5	2.9
Romania	602	21.2	1.9	5.2	43.6	28.1	0.0	28.3	31.6	24.9
Russian Federation	633	16.7	10.4	7.8	38.4	26.0	0.6	35.0	35.1	34.8
Saudi Arabia	611	3.1	0.0	3.9	69.4	22.8	0.8	7.0	6.9	7.1
Scotland	573	24.1	3.6	12.4	46.5	13.3	0.0	40.2	44.1	36.2
Serbia	582	26.3	1.5	3.2	28.0	40.7	0.3	31.0	30.0	32.0
Singapore	655	40.6	6.7	9.1	37.4	5.9	0.1	56.5	59.8	53.3
Slovenia	569	19.6	5.1	4.4	56.6	14.4	0.0	29.1	31.3	26.7
Sweden	724	23.7	1.0	7.5	45.1	22.3	0.5	32.1	37.0	27.7
Syrian Arab Republic	647	6.1	0.5	3.8	56.1	33.4	0.1	10.4	8.1	12.8
Thailand	775	11.5	1.5	8.4	57.7	20.8	0.0	21.5	23.7	19.2
Tunisia	590	5.8	0.4	5.3	63.9	23.1	1.4	11.6	11.9	11.2
Turkey	647	14.2	2.2	10.1	42.3	31.0	0.2	26.5	25.4	27.4
Ukraine	635	10.2	2.1	11.0	43.6	32.9	0.3	23.3	27.1	19.8
United States	1040	19.5	3.4	12.7	56.6	7.5	0.3	35.6	37.2	33.9
International Avg.	640	14.5	2.7	7.7	48.3	26.2	0.6	24.9	26.2	23.6
Basque Country, Spain	327	17.8	5.5	9.9	46.6	19.8	0.3	33.2	35.9	31.2
British Columbia, Canada	607	24.3	4.0	13.5	45.1	13.1	0.0	41.8	42.8	40.8
Dubai, UAE	455	10.6	2.1	6.6	54.3	25.4	0.9	19.4	16.7	22.1
Massachusetts, US	280	33.5	5.7	15.5	39.7	5.0	0.6	54.6	52.4	57.3
Minnesota, US	242	22.8	5.5	15.8	50.8	5.1	0.0	44.1	48.1	40.2
Ontario, Canada	482	29.4	9.0	14.9	38.4	8.3	0.0	53.3	52.8	53.8
Quebec, Canada	538	25.1	8.7	10.0	44.4	11.7	0.2	43.8	45.6	42.1

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Algebra / Reasoning (M042074C - M12_08C)
 Label: Rule for finding number of circles
 Type: CR Key: -

COUNTRY	N	10	11	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	765	0.4	0.0	41.3	54.6	3.6	0.4	0.4	0.5
Armenia	656	16.6	2.6	19.1	60.2	1.5	19.2	20.1	18.3
Australia	575	21.4	5.1	43.6	29.4	0.6	26.5	28.3	24.9
Bahrain	603	4.9	4.3	56.3	33.2	1.3	9.2	8.7	9.7
Bosnia and Herzegovina	605	15.5	0.4	20.9	62.9	0.3	15.9	15.1	16.6
Botswana	605	0.1	0.3	80.4	16.5	2.7	0.5	0.9	0.0
Bulgaria	562	12.8	1.1	23.8	61.1	1.2	13.9	12.4	15.5
Chinese Taipei	582	54.5	0.5	26.5	18.5	0.0	55.0	56.7	53.5
Colombia	695	4.7	2.2	50.3	40.5	2.3	6.8	4.4	9.5
Cyprus	631	11.8	0.1	38.1	49.9	0.1	11.9	14.5	9.3
Czech Republic	696	12.9	2.6	37.9	46.4	0.2	15.5	16.3	14.7
Egypt	945	3.8	2.0	60.8	33.2	0.2	5.8	6.3	5.4
El Salvador	590	0.7	0.2	40.0	57.1	2.1	0.8	1.0	0.6
England	589	30.5	2.4	48.6	18.1	0.4	32.9	31.3	34.5
Georgia	597	3.8	0.9	13.5	81.4	0.4	4.7	4.4	5.0
Ghana	765	3.5	0.4	47.6	47.3	1.2	3.9	1.7	5.6
Hong Kong SAR	495	43.0	0.8	33.3	22.6	0.2	43.8	40.6	47.0
Hungary	586	18.8	0.7	33.5	46.8	0.1	19.5	20.9	18.1
Indonesia	584	4.0	2.6	62.1	30.6	0.7	6.7	7.7	5.5
Iran, Islamic Rep. of	561	6.2	1.0	40.9	50.6	1.2	7.2	7.8	6.7
Israel	456	18.2	1.8	35.6	43.0	1.4	20.0	20.5	19.4
Italy	629	14.9	0.7	24.7	59.6	0.1	15.6	16.8	14.4
Japan	617	39.8	0.6	37.8	21.8	0.1	40.3	39.9	40.8
Jordan	757	24.2	0.0	57.2	17.9	0.7	24.2	29.0	19.7
Korea, Rep. of	606	38.0	7.8	40.9	13.2	0.0	45.8	44.1	47.5
Kuwait	575	1.7	0.5	47.1	49.3	1.4	2.2	2.5	1.9
Lebanon	543	4.5	0.3	42.2	52.9	0.1	4.8	4.4	5.3
Lithuania	579	13.7	2.0	34.3	49.7	0.4	15.6	15.5	15.8
Malaysia	643	4.6	0.3	64.1	29.5	1.4	4.9	5.6	4.2
Malta	666	9.1	1.8	51.3	37.7	0.2	10.9	10.8	10.9
Morocco	344	3.3	0.6	31.6	64.0	0.5	3.9	1.7	6.1
Norway	663	5.2	4.4	49.4	40.7	0.2	9.6	11.1	8.2
Oman	680	7.6	0.4	68.4	21.2	2.4	8.0	13.4	2.0
Palestinian Nat'l Auth.	629	3.6	0.6	70.8	24.6	0.3	4.3	3.2	5.4
Qatar	1023	1.8	0.5	63.9	33.2	0.7	2.2	2.9	1.6
Romania	602	16.9	0.7	35.2	47.3	0.0	17.6	17.4	17.8
Russian Federation	633	19.9	0.7	31.9	46.9	0.6	20.6	19.3	22.2
Saudi Arabia	611	1.0	0.6	65.1	32.5	0.8	1.6	1.8	1.3
Scotland	573	22.1	4.4	45.1	28.4	0.0	26.5	30.1	22.9
Serbia	582	18.9	3.3	21.3	56.2	0.3	22.2	22.7	21.7
Singapore	655	48.3	1.2	38.5	11.8	0.1	49.6	50.5	48.7
Slovenia	570	19.6	0.9	50.9	28.7	0.0	20.4	23.1	17.7
Sweden	724	14.4	2.4	37.1	45.1	0.9	16.9	16.7	17.1
Syrian Arab Republic	647	4.0	1.4	43.0	51.5	0.1	5.4	3.3	7.7
Thailand	775	7.8	0.9	57.7	33.5	0.1	8.7	10.8	6.5
Tunisia	590	4.5	0.6	51.6	41.7	1.6	5.0	5.2	4.9
Turkey	647	12.0	3.1	46.5	38.1	0.2	15.1	15.6	14.7
Ukraine	635	9.1	0.8	32.3	57.6	0.3	9.9	10.5	9.4
United States	1040	21.2	3.7	61.8	13.1	0.3	24.9	24.4	25.3
International Avg.	640	13.9	1.6	44.0	39.8	0.7	15.5	15.8	15.1
Basque Country, Spain	327	20.8	0.0	34.5	44.4	0.3	20.8	19.8	21.6
British Columbia, Canada	607	21.7	6.6	48.3	23.5	0.0	28.2	26.2	30.3
Dubai, UAE	455	15.8	2.0	45.5	35.7	0.9	17.9	15.1	20.6
Massachusetts, US	280	42.2	5.1	45.3	6.8	0.6	47.3	42.2	53.2
Minnesota, US	242	25.8	3.3	58.7	12.2	0.0	29.1	29.4	28.8
Ontario, Canada	482	34.2	5.5	41.6	18.7	0.1	39.6	38.7	40.6
Quebec, Canada	538	32.8	2.1	44.6	20.3	0.2	34.9	36.8	33.2

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Geometry / Applying (M042151 - M12_09)
 Label: Shape with AB as line of symmetry
 Type: CR Key: -

COUNTRY	N	10	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	766	50.3	30.7	15.2	3.8	50.3	47.4	53.1
Armenia	657	39.1	21.5	37.9	1.5	39.1	40.3	37.9
Australia	575	76.4	15.7	7.3	0.6	76.4	76.3	76.5
Bahrain	603	38.2	47.6	12.9	1.3	38.2	44.0	32.5
Bosnia and Herzegovina	605	32.5	25.1	42.1	0.3	32.5	30.3	34.4
Botswana	605	12.1	58.4	25.7	3.8	12.1	9.9	14.5
Bulgaria	562	40.7	16.3	41.8	1.2	40.7	40.8	40.6
Chinese Taipei	582	82.5	11.9	5.6	0.0	82.5	87.2	78.4
Colombia	695	29.6	30.0	37.0	3.5	29.6	26.6	32.9
Cyprus	631	48.1	31.2	20.7	0.1	48.1	50.0	46.1
Czech Republic	696	66.9	15.6	17.2	0.3	66.9	69.8	63.9
Egypt	945	19.6	54.4	25.8	0.2	19.6	20.8	18.5
El Salvador	590	17.4	40.1	40.2	2.2	17.4	17.1	17.8
England	589	86.8	8.3	4.5	0.4	86.8	86.1	87.4
Georgia	597	31.4	21.6	46.7	0.4	31.4	30.8	31.9
Ghana	765	3.2	32.9	62.5	1.4	3.2	1.9	4.2
Hong Kong SAR	495	82.7	10.5	6.5	0.2	82.7	84.7	80.8
Hungary	586	72.9	13.5	13.5	0.1	72.9	75.1	70.6
Indonesia	584	26.0	40.7	32.6	0.7	26.0	27.9	23.7
Iran, Islamic Rep. of	562	55.3	28.3	15.2	1.2	55.3	58.5	52.6
Israel	456	20.8	38.5	38.9	1.7	20.8	19.5	22.3
Italy	629	68.3	11.1	20.4	0.3	68.3	71.7	65.0
Japan	617	87.7	7.8	4.5	0.1	87.7	88.2	87.1
Jordan	757	31.7	41.1	26.6	0.7	31.7	35.0	28.5
Korea, Rep. of	606	75.6	20.6	3.8	0.0	75.6	74.8	76.3
Kuwait	575	32.4	46.9	19.4	1.4	32.4	35.4	28.7
Lebanon	543	37.5	42.4	20.0	0.1	37.5	36.4	38.9
Lithuania	579	80.5	13.0	6.1	0.4	80.5	85.2	75.9
Malaysia	642	40.0	36.1	22.1	1.8	40.0	41.4	38.4
Malta	666	81.0	12.9	6.0	0.2	81.0	83.1	78.8
Morocco	343	47.4	15.4	36.5	0.8	47.4	43.4	51.6
Norway	663	38.9	35.5	25.2	0.4	38.9	48.4	29.3
Oman	680	30.1	46.0	21.4	2.5	30.1	37.6	22.0
Palestinian Nat'l Auth.	629	24.3	56.9	18.4	0.5	24.3	31.4	16.9
Qatar	1023	14.8	49.4	35.0	0.8	14.8	19.1	10.5
Romania	602	43.2	37.1	19.5	0.1	43.2	39.6	47.0
Russian Federation	633	61.3	17.1	21.0	0.6	61.3	65.7	55.6
Saudi Arabia	611	27.4	42.6	29.2	0.8	27.4	40.5	15.4
Scotland	573	87.4	8.5	4.0	0.1	87.4	90.4	84.5
Serbia	582	53.7	18.0	28.0	0.3	53.7	60.8	46.9
Singapore	655	86.5	9.6	3.7	0.1	86.5	90.4	82.8
Slovenia	570	75.2	18.2	6.6	0.0	75.2	77.1	73.3
Sweden	724	25.6	34.1	39.0	1.3	25.6	25.7	25.5
Syrian Arab Republic	647	30.2	50.3	19.2	0.3	30.2	28.2	32.3
Thailand	775	41.5	30.9	27.1	0.5	41.5	43.2	39.7
Tunisia	590	43.3	34.3	20.6	1.8	43.3	41.7	45.0
Turkey	647	26.2	47.5	26.1	0.2	26.2	25.8	26.5
Ukraine	635	44.3	29.7	25.5	0.4	44.3	45.9	42.9
United States	1040	58.3	31.4	9.9	0.4	58.3	56.9	59.6
International Avg.	640	47.5	29.3	22.3	0.8	47.5	49.1	45.8
Basque Country, Spain	327	70.2	15.5	14.0	0.3	70.2	69.8	70.5
British Columbia, Canada	607	61.5	19.8	18.6	0.2	61.5	58.9	64.0
Dubai, UAE	455	41.6	30.7	26.8	0.9	41.6	46.3	36.9
Massachusetts, US	280	72.8	20.2	6.4	0.6	72.8	65.7	81.1
Minnesota, US	242	65.2	23.2	11.6	0.0	65.2	65.8	64.6
Ontario, Canada	482	81.1	11.2	7.7	0.1	81.1	79.0	83.3
Quebec, Canada	538	75.6	14.0	10.2	0.3	75.6	78.3	73.0

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Geometry / Reasoning (M042132 - M12_10)
 Label: What is the perimeter of the figure
 Type: MC Key: A

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	775	21.4	21.4	24.1	14.6	29.2	6.6	4.0	19.0	23.8
Armenia	658	48.0	48.0	11.9	10.5	12.5	15.5	1.6	48.6	47.3
Australia	575	24.1	24.1	44.5	15.7	12.8	2.4	0.6	22.4	25.6
Bahrain	603	24.2	24.2	28.3	14.2	27.8	3.9	1.6	29.4	19.1
Bosnia and Herzegovina	605	27.7	27.7	19.0	15.8	23.8	13.4	0.3	31.0	24.9
Botswana	605	19.0	19.0	22.6	15.2	37.0	2.2	4.0	19.7	18.3
Bulgaria	562	27.4	27.4	27.4	14.0	22.3	7.7	1.2	27.1	27.7
Chinese Taipei	582	65.2	65.2	15.6	11.2	7.5	0.6	0.0	65.3	65.1
Colombia	695	18.7	18.7	23.2	16.4	32.3	5.7	3.7	19.3	18.0
Cyprus	631	39.5	39.5	31.8	15.8	9.6	3.1	0.2	40.3	38.6
Czech Republic	696	35.5	35.5	28.4	12.9	14.2	8.5	0.4	36.2	34.9
Egypt	940	26.2	26.2	21.4	24.2	26.0	1.9	0.2	24.0	28.4
El Salvador	590	22.5	22.5	19.8	18.3	30.5	6.5	2.4	24.9	19.7
England	589	33.2	33.2	36.3	18.1	10.3	1.6	0.4	31.9	34.4
Georgia	597	31.2	31.2	18.4	15.8	27.5	6.7	0.4	35.5	27.7
Ghana	765	23.1	23.1	11.8	14.6	46.2	2.7	1.6	22.6	23.5
Hong Kong SAR	495	52.8	52.8	23.2	17.4	5.2	1.3	0.2	51.8	53.7
Hungary	586	36.7	36.7	22.7	17.0	14.6	8.9	0.1	36.7	36.7
Indonesia	584	20.6	20.6	22.7	12.6	39.7	3.5	0.8	20.5	20.7
Iran, Islamic Rep. of	562	22.0	22.0	22.0	22.8	26.2	5.8	1.2	22.5	21.5
Israel	456	24.3	24.3	35.6	16.5	12.7	9.2	1.7	23.4	25.2
Italy	628	43.6	43.6	26.7	13.8	11.1	4.5	0.3	45.0	42.3
Japan	617	40.1	40.1	36.0	15.0	7.9	0.9	0.1	39.0	41.2
Jordan	758	28.6	28.6	25.3	14.1	26.5	4.4	1.0	38.2	19.5
Korea, Rep. of	606	42.5	42.5	33.6	14.2	9.7	0.0	0.0	39.9	45.0
Kuwait	575	22.3	22.3	26.0	15.8	27.1	7.5	1.4	20.6	24.3
Lebanon	539	23.0	23.0	18.7	21.0	29.2	8.2	0.1	20.4	25.9
Lithuania	579	41.0	41.0	30.0	10.4	14.6	3.6	0.4	40.3	41.7
Malaysia	642	33.9	33.9	38.5	11.0	12.6	2.1	2.0	35.4	32.2
Malta	666	27.0	27.0	40.3	14.4	15.8	2.4	0.2	25.4	28.7
Morocco	342	25.8	25.8	23.0	22.8	22.6	5.1	0.8	29.6	21.8
Norway	663	18.5	18.5	44.6	20.7	11.0	4.7	0.4	18.5	18.6
Oman	680	25.4	25.4	22.2	16.4	29.9	3.3	2.7	21.2	30.1
Palestinian Nat'l Auth.	629	22.7	22.7	22.0	17.8	34.6	2.4	0.5	24.2	21.1
Qatar	1023	16.3	16.3	34.3	24.3	21.2	3.1	0.9	16.0	16.6
Romania	602	44.9	44.9	19.0	12.1	19.3	4.5	0.1	45.5	44.3
Russian Federation	633	35.1	35.1	25.7	13.0	20.5	5.0	0.6	31.6	39.7
Saudi Arabia	611	24.8	24.8	21.0	19.7	31.7	1.9	0.9	24.6	24.9
Scotland	573	26.4	26.4	35.8	15.7	18.2	3.6	0.2	29.3	23.6
Serbia	577	39.9	39.9	19.6	14.8	14.7	10.6	0.3	40.5	39.4
Singapore	655	53.8	53.8	27.1	12.0	6.1	0.7	0.1	53.0	54.7
Slovenia	570	26.8	26.8	38.8	17.4	14.7	2.3	0.0	27.4	26.2
Sweden	724	18.1	18.1	44.7	19.5	9.9	6.4	1.4	16.8	19.3
Syrian Arab Republic	647	25.5	25.5	23.8	20.7	26.5	3.0	0.4	24.2	26.9
Thailand	775	28.4	28.4	27.2	15.0	26.4	2.5	0.5	30.1	26.7
Tunisia	590	18.3	18.3	26.2	21.1	25.2	7.2	2.0	16.6	20.1
Turkey	647	33.3	33.3	18.2	18.4	26.0	3.9	0.2	31.5	34.9
Ukraine	635	32.4	32.4	28.3	13.7	23.3	1.8	0.4	32.9	32.0
United States	1040	29.0	29.0	36.1	15.7	16.3	2.4	0.4	29.1	28.9
International Avg.	640	30.4	30.4	27.0	16.2	20.8	4.6	0.9	30.6	30.3
Basque Country, Spain	327	26.9	26.9	33.8	18.5	15.8	4.1	0.8	24.4	28.9
British Columbia, Canada	607	27.7	27.7	42.0	14.5	12.1	3.5	0.2	26.6	28.8
Dubai, UAE	455	22.8	22.8	31.3	17.3	23.0	4.6	0.9	21.5	24.1
Massachusetts, US	280	40.2	40.2	34.2	10.2	11.0	3.8	0.6	38.9	41.6
Minnesota, US	242	32.8	32.8	41.1	11.8	13.2	1.1	0.0	31.7	33.9
Ontario, Canada	482	31.2	31.2	38.4	14.6	13.5	2.2	0.1	29.7	32.9
Quebec, Canada	538	27.2	27.2	46.8	12.0	7.6	6.0	0.3	23.4	30.7

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Geometry / Reasoning (M042257 - M12_11)
 Label: Which 2 shapes fit together
 Type: MC Key: C

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	774	31.1	25.1	26.4	31.1	7.7	5.4	4.4	26.2	35.9
Armenia	656	40.1	26.0	24.9	40.1	4.5	2.7	1.8	37.3	43.1
Australia	575	46.4	20.3	29.1	46.4	3.2	0.5	0.6	40.8	51.3
Bahrain	603	24.1	33.2	25.3	24.1	14.1	1.4	2.0	22.4	25.8
Bosnia and Herzegovina	605	44.1	23.7	24.1	44.1	6.4	1.5	0.3	46.7	41.9
Botswana	605	25.2	29.1	24.4	25.2	14.8	2.2	4.3	25.3	25.1
Bulgaria	562	38.3	31.6	20.0	38.3	5.3	3.4	1.4	40.6	35.7
Chinese Taipei	582	57.2	17.9	21.6	57.2	3.1	0.2	0.0	58.5	56.0
Colombia	695	34.3	23.4	28.3	34.3	7.5	2.4	4.0	28.4	40.9
Cyprus	631	40.5	21.2	30.9	40.5	5.7	1.5	0.2	45.6	35.1
Czech Republic	696	47.7	20.1	23.4	47.7	5.9	2.5	0.4	48.3	47.1
Egypt	942	20.1	34.1	20.7	20.1	23.8	1.1	0.2	15.5	24.7
El Salvador	590	30.2	30.3	23.9	30.2	9.8	2.8	3.0	28.0	32.6
England	589	52.1	18.3	24.9	52.1	3.0	1.3	0.5	52.0	52.1
Georgia	597	33.5	23.2	32.7	33.5	8.0	2.2	0.4	30.0	36.5
Ghana	764	20.8	33.1	21.9	20.8	20.7	1.4	2.0	16.0	24.5
Hong Kong SAR	495	54.9	17.8	22.3	54.9	4.6	0.2	0.2	54.0	55.9
Hungary	586	46.1	21.5	25.6	46.1	4.2	2.5	0.1	44.2	48.0
Indonesia	583	34.7	25.9	31.4	34.7	6.9	0.3	0.8	36.2	33.1
Iran, Islamic Rep. of	562	31.3	26.5	27.7	31.3	12.2	0.5	1.8	28.3	33.8
Israel	456	35.8	26.3	24.7	35.8	7.5	3.7	2.0	40.1	30.9
Italy	622	50.9	18.5	26.7	50.9	3.2	0.5	0.3	53.1	48.8
Japan	617	66.0	14.2	15.3	66.0	3.9	0.6	0.1	67.2	64.6
Jordan	758	23.7	39.6	20.7	23.7	14.1	0.9	1.0	25.0	22.5
Korea, Rep. of	606	62.7	15.7	18.3	62.7	3.2	0.0	0.0	60.1	65.3
Kuwait	575	21.4	36.3	24.4	21.4	14.1	2.4	1.5	23.7	18.6
Lebanon	522	34.5	30.8	22.1	34.5	10.5	1.5	0.7	26.3	44.1
Lithuania	564	58.2	14.2	24.3	58.2	3.0	0.0	0.4	53.4	62.8
Malaysia	643	44.9	23.9	24.5	44.9	4.1	0.5	2.2	43.6	46.2
Malta	664	45.4	20.1	26.9	45.4	6.0	1.2	0.5	49.0	41.5
Morocco	342	36.8	25.0	28.8	36.8	7.0	1.5	0.8	36.8	36.8
Norway	663	40.6	24.7	27.8	40.6	2.8	3.7	0.5	42.1	39.1
Oman	680	18.7	37.6	19.5	18.7	18.9	2.3	2.9	18.5	19.0
Palestinian Nat'l Auth.	627	23.0	33.2	21.4	23.0	20.8	1.0	0.5	18.2	28.0
Qatar	1023	22.8	33.1	25.0	22.8	16.9	1.3	0.9	21.9	23.7
Romania	602	36.9	28.2	27.5	36.9	4.7	1.8	0.9	42.1	31.6
Russian Federation	633	55.8	19.0	20.2	55.8	2.2	2.1	0.7	56.4	54.9
Saudi Arabia	609	17.2	40.5	17.4	17.2	23.1	0.8	0.9	19.4	15.1
Scotland	573	46.8	23.6	22.7	46.8	6.2	0.5	0.3	49.6	43.9
Serbia	570	52.0	15.4	27.3	52.0	4.2	0.8	0.3	52.1	51.8
Singapore	655	59.0	17.0	19.7	59.0	4.1	0.0	0.1	57.8	60.2
Slovenia	570	45.5	21.3	27.0	45.5	2.5	3.7	0.0	47.6	43.3
Sweden	724	50.5	16.8	24.6	50.5	3.0	3.6	1.5	50.4	50.5
Syrian Arab Republic	647	22.3	32.5	24.3	22.3	18.1	2.1	0.7	20.2	24.7
Thailand	775	45.7	18.3	27.7	45.7	6.2	1.4	0.7	47.0	44.4
Tunisia	590	26.9	25.6	27.2	26.9	11.9	6.1	2.2	25.4	28.6
Turkey	647	27.4	35.1	27.7	27.4	9.2	0.3	0.2	27.0	27.8
Ukraine	635	47.5	19.0	25.5	47.5	5.2	2.3	0.5	46.9	48.1
United States	1040	40.2	28.7	26.1	40.2	3.6	0.8	0.6	41.9	38.4
International Avg.	639	39.0	25.2	24.6	39.0	8.4	1.7	1.1	38.5	39.5
Basque Country, Spain	327	48.2	20.1	25.6	48.2	3.5	1.9	0.8	49.4	47.2
British Columbia, Canada	607	48.7	23.5	22.4	48.7	3.6	1.6	0.2	50.8	46.5
Dubai, UAE	455	31.9	27.2	28.6	31.9	8.7	2.8	0.9	27.3	36.6
Massachusetts, US	280	47.4	22.0	24.3	47.4	3.9	1.4	1.0	40.2	55.9
Minnesota, US	242	38.8	27.9	29.8	38.8	2.6	1.0	0.0	47.0	30.7
Ontario, Canada	482	50.2	21.7	19.3	50.2	5.5	2.9	0.4	50.3	50.1
Quebec, Canada	538	49.8	18.2	25.2	49.8	3.0	2.7	1.1	52.7	47.1

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Data and Chance / Knowing (M042158 - M12_12)
 Label: Difference between high and low temp
 Type: MC Key: B

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	775	41.3	16.9	41.3	17.9	12.5	6.3	5.2	40.0	42.6
Armenia	656	45.3	11.2	45.3	14.6	8.9	17.8	2.1	43.1	47.6
Australia	575	63.9	13.0	63.9	11.4	9.3	1.8	0.6	60.0	67.4
Bahrain	603	50.0	16.8	50.0	15.2	13.5	2.2	2.3	53.3	46.8
Bosnia and Herzegovina	605	52.2	16.6	52.2	14.0	10.1	6.8	0.3	49.0	54.9
Botswana	605	51.8	13.3	51.8	16.8	10.7	1.8	5.7	53.5	49.9
Bulgaria	562	58.5	13.0	58.5	12.0	8.6	6.1	1.9	54.0	63.5
Chinese Taipei	582	80.8	6.2	80.8	6.1	6.8	0.0	0.0	82.0	79.8
Colombia	695	50.7	10.8	50.7	21.3	8.4	4.6	4.2	45.5	56.4
Cyprus	631	61.4	13.9	61.4	13.0	9.8	1.6	0.2	64.0	58.8
Czech Republic	696	61.5	13.1	61.5	9.6	13.4	2.0	0.4	59.3	63.8
Egypt	942	52.9	15.0	52.9	18.3	12.5	0.8	0.6	48.7	57.1
El Salvador	590	47.3	17.5	47.3	14.9	11.8	4.4	4.2	47.2	47.4
England	589	71.3	9.3	71.3	8.6	8.8	1.5	0.5	72.9	69.8
Georgia	597	39.4	15.9	39.4	18.5	18.5	7.2	0.5	37.4	41.0
Ghana	764	37.7	16.5	37.7	25.5	15.5	2.4	2.3	31.0	42.9
Hong Kong SAR	495	69.5	11.2	69.5	8.7	10.2	0.2	0.2	70.4	68.5
Hungary	586	63.3	11.3	63.3	9.3	14.0	1.9	0.3	69.8	56.6
Indonesia	584	48.8	17.3	48.8	21.2	10.3	1.6	0.8	50.9	46.4
Iran, Islamic Rep. of	562	47.9	13.9	47.9	18.3	14.5	3.2	2.3	48.3	47.5
Israel	456	53.0	12.9	53.0	11.3	16.6	4.2	2.0	55.1	50.6
Italy	629	67.2	15.1	67.2	9.3	6.2	2.0	0.3	67.9	66.4
Japan	617	81.7	8.4	81.7	3.9	5.6	0.3	0.1	81.3	82.2
Jordan	758	54.1	16.2	54.1	15.3	11.4	1.9	1.0	55.6	52.7
Korea, Rep. of	606	85.3	7.0	85.3	2.9	4.9	0.0	0.0	86.7	84.0
Kuwait	575	47.2	13.0	47.2	19.9	14.2	4.2	1.5	49.3	44.6
Lebanon	537	52.8	11.9	52.8	16.4	13.6	4.4	0.9	51.8	54.0
Lithuania	577	65.9	18.5	65.9	6.8	6.5	2.0	0.4	60.9	70.7
Malaysia	643	69.7	10.5	69.7	9.5	7.0	0.9	2.3	70.1	69.3
Malta	665	58.9	13.3	58.9	15.3	10.5	1.3	0.8	57.1	60.7
Morocco	344	48.2	14.4	48.2	18.0	16.4	2.3	0.7	46.2	50.3
Norway	663	56.4	15.2	56.4	13.1	11.7	2.7	0.8	54.7	58.1
Oman	680	43.5	15.3	43.5	20.3	15.7	2.0	3.3	48.0	38.6
Palestinian Nat'l Auth.	628	44.6	12.9	44.6	25.4	14.6	1.9	0.5	42.7	46.6
Qatar	1023	41.7	15.8	41.7	23.4	17.0	1.1	1.0	42.9	40.5
Romania	602	43.7	19.9	43.7	16.8	17.4	1.1	1.1	41.8	45.8
Russian Federation	632	61.8	17.0	61.8	9.1	8.6	2.5	1.1	65.1	57.5
Saudi Arabia	610	41.3	14.6	41.3	24.3	17.0	1.3	1.4	40.3	42.3
Scotland	573	63.1	16.0	63.1	9.9	9.3	1.3	0.3	63.3	63.0
Serbia	580	59.7	15.2	59.7	11.5	8.6	4.7	0.3	61.1	58.4
Singapore	655	74.1	8.5	74.1	9.0	7.9	0.3	0.1	74.5	73.8
Slovenia	570	63.3	17.4	63.3	8.4	9.9	1.0	0.0	64.8	61.7
Sweden	724	56.0	11.4	56.0	14.4	14.1	2.6	1.5	58.2	53.9
Syrian Arab Republic	647	39.3	18.4	39.3	23.5	15.5	2.3	0.9	38.9	39.6
Thailand	775	61.1	17.2	61.1	9.3	10.2	1.5	0.8	64.3	57.8
Tunisia	590	50.9	15.9	50.9	18.9	7.1	4.3	2.8	50.1	51.8
Turkey	647	59.9	11.9	59.9	13.9	13.4	0.7	0.2	61.7	58.3
Ukraine	635	62.5	15.3	62.5	13.3	5.9	2.4	0.6	58.6	66.1
United States	1040	65.1	9.6	65.1	12.3	11.2	1.1	0.7	65.9	64.3
International Avg.	640	56.5	13.9	56.5	14.3	11.4	2.7	1.3	56.3	56.6
Basque Country, Spain	327	66.8	14.5	66.8	9.7	6.3	1.8	0.8	68.3	65.7
British Columbia, Canada	607	66.3	10.1	66.3	9.7	11.7	2.1	0.2	67.5	65.1
Dubai, UAE	455	54.5	15.0	54.5	15.2	10.7	3.3	1.4	54.2	54.7
Massachusetts, US	280	72.8	8.4	72.8	5.6	10.9	1.2	1.0	71.8	73.9
Minnesota, US	242	66.3	12.6	66.3	11.2	8.9	1.0	0.0	65.0	67.6
Ontario, Canada	482	68.8	12.9	68.8	6.9	7.9	2.6	1.0	69.6	67.9
Quebec, Canada	538	72.7	13.4	72.7	6.2	5.5	0.9	1.3	69.6	75.5

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Data and Chance / Applying (M042252 - M12_13)
 Label: Speed time graph
 Type: MC Key: A

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	775	17.7	17.7	54.9	11.9	4.5	4.6	6.4	17.4	18.0
Armenia	659	21.4	21.4	41.3	8.0	9.6	16.0	3.7	21.6	21.1
Australia	575	56.6	56.6	30.7	8.6	2.1	1.2	0.7	49.2	63.2
Bahrain	603	24.6	24.6	51.5	11.9	6.5	3.0	2.5	19.2	29.9
Bosnia and Herzegovina	605	31.6	31.6	48.1	11.1	3.9	4.3	1.0	25.9	36.3
Botswana	605	17.0	17.0	48.1	16.0	10.1	2.4	6.3	14.8	19.3
Bulgaria	562	35.1	35.1	38.8	11.5	6.4	4.6	3.5	30.7	39.9
Chinese Taipei	582	55.8	55.8	33.4	7.4	3.1	0.4	0.0	54.3	57.1
Colombia	695	23.1	23.1	46.0	15.4	4.7	5.2	5.6	20.9	25.5
Cyprus	631	35.4	35.4	44.7	12.3	6.0	1.4	0.2	34.2	36.6
Czech Republic	696	56.3	56.3	30.9	7.7	2.4	2.0	0.7	52.9	60.0
Egypt	942	14.7	14.7	50.6	21.3	11.9	1.0	0.6	13.4	16.0
El Salvador	590	19.1	19.1	50.0	12.2	9.4	4.8	4.6	18.9	19.4
England	589	64.1	64.1	24.2	7.9	2.6	0.6	0.6	54.6	73.0
Georgia	.	.	.	.	.	.	.	.	.	.
Ghana	764	15.5	15.5	38.9	26.8	13.1	2.9	2.8	12.2	18.0
Hong Kong SAR	495	52.5	52.5	33.6	8.1	5.0	0.6	0.2	48.7	56.4
Hungary	586	43.5	43.5	39.4	11.7	4.3	0.8	0.4	35.9	51.2
Indonesia	583	17.5	17.5	62.7	11.3	5.6	1.9	0.9	12.6	23.2
Iran, Islamic Rep. of	562	18.8	18.8	50.2	15.5	9.9	1.5	4.1	16.8	20.5
Israel	456	35.1	35.1	38.2	15.3	4.6	4.3	2.6	29.4	41.4
Italy	629	51.3	51.3	30.7	9.5	4.7	3.2	0.7	46.7	55.7
Japan	617	59.8	59.8	27.1	6.4	5.6	1.1	0.1	57.1	62.7
Jordan	758	20.8	20.8	56.6	11.9	7.5	2.2	1.0	15.7	25.6
Korea, Rep. of	606	74.4	74.4	17.6	3.7	4.3	0.0	0.0	70.7	78.0
Kuwait	574	23.1	23.1	53.4	13.0	4.5	3.9	2.2	22.4	23.9
Lebanon	540	20.9	20.9	40.0	25.3	7.8	4.6	1.4	18.6	23.4
Lithuania	578	56.8	56.8	34.4	6.2	1.5	0.6	0.5	52.3	61.1
Malaysia	643	36.9	36.9	48.4	7.6	3.1	1.4	2.6	34.0	40.1
Malta	666	41.3	41.3	39.1	13.3	4.4	0.9	0.9	32.6	50.4
Morocco	342	21.7	21.7	51.3	19.5	5.3	1.5	0.8	20.7	22.7
Norway	663	53.6	53.6	26.5	12.4	4.1	2.3	1.1	53.1	54.2
Oman	680	20.5	20.5	51.2	16.5	6.0	2.5	3.3	20.0	21.1
Palestinian Nat'l Auth.	628	17.8	17.8	51.2	19.6	9.3	1.4	0.6	15.7	20.0
Qatar	1023	24.7	24.7	37.0	23.4	12.5	1.4	1.0	23.9	25.5
Romania	602	31.5	31.5	48.1	11.5	7.1	0.7	1.1	23.9	39.5
Russian Federation	633	37.6	37.6	48.9	7.6	2.4	2.1	1.3	33.3	43.2
Saudi Arabia	611	21.3	21.3	48.9	17.4	9.0	1.2	2.2	19.5	23.0
Scotland	573	51.0	51.0	33.0	10.9	3.8	0.6	0.7	45.7	56.3
Serbia	582	28.2	28.2	54.2	10.5	4.0	2.7	0.4	24.5	31.8
Singapore	655	67.4	67.4	21.1	8.1	2.6	0.6	0.1	66.1	68.6
Slovenia	570	52.9	52.9	35.1	9.7	1.8	0.5	0.0	44.6	61.3
Sweden	724	52.9	52.9	26.9	12.4	3.6	1.9	2.2	50.3	55.4
Syrian Arab Republic	647	16.8	16.8	61.8	12.6	6.4	1.5	0.9	17.2	16.4
Thailand	775	20.5	20.5	59.5	11.8	5.0	2.1	1.1	19.5	21.5
Tunisia	590	21.2	21.2	55.1	12.9	4.1	3.3	3.4	19.4	23.3
Turkey	647	29.4	29.4	45.1	8.0	16.1	1.2	0.4	25.7	32.8
Ukraine	635	35.3	35.3	51.7	7.6	2.8	1.5	1.0	35.3	35.4
United States	1040	53.4	53.4	30.9	10.3	3.8	0.6	1.0	47.4	59.4
International Avg.	641	35.4	35.4	42.5	12.3	5.8	2.3	1.7	32.1	38.7
Basque Country, Spain	327	50.0	50.0	34.7	10.1	2.6	1.5	1.1	42.9	55.6
British Columbia, Canada	607	58.0	58.0	27.1	9.7	3.5	1.0	0.7	55.1	61.0
Dubai, UAE	455	32.4	32.4	42.3	14.8	5.7	2.9	2.0	27.5	37.3
Massachusetts, US	280	63.1	63.1	26.4	7.9	0.4	0.3	1.9	54.5	73.3
Minnesota, US	242	58.8	58.8	29.5	9.3	2.1	0.3	0.0	55.0	62.4
Ontario, Canada	482	55.9	55.9	31.7	8.3	2.0	0.8	1.4	51.3	60.8
Quebec, Canada	538	52.7	52.7	26.2	13.9	4.4	1.4	1.4	45.5	59.5

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Data and Chance / Knowing (M042261 - M12_14)
 Label: How likely it will rain
 Type: MC Key: C

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	775	19.0	7.5	49.6	19.0	12.4	3.8	7.6	16.6	21.2
Armenia	659	48.9	3.2	27.8	48.9	11.6	4.6	3.9	54.5	43.0
Australia	575	79.5	0.6	16.6	79.5	1.4	0.5	1.4	75.0	83.5
Bahrain	603	49.9	13.6	14.7	49.9	17.8	0.6	3.4	50.0	49.9
Bosnia and Herzegovina	605	60.2	2.0	24.6	60.2	10.3	1.4	1.5	59.7	60.6
Botswana	605	22.4	11.6	33.9	22.4	21.7	2.2	8.1	24.8	19.9
Bulgaria	562	56.2	2.5	29.0	56.2	5.6	2.6	4.1	54.6	58.0
Chinese Taipei	582	67.2	0.8	26.8	67.2	4.0	0.8	0.4	70.0	64.8
Colombia	695	36.7	4.8	43.6	36.7	4.7	2.4	7.8	34.1	39.6
Cyprus	631	20.8	1.5	65.2	20.8	11.5	0.4	0.5	22.7	18.8
Czech Republic	696	77.5	0.5	17.6	77.5	3.2	0.6	0.7	74.8	80.4
Egypt	942	20.6	9.8	51.5	20.6	15.4	1.8	0.8	20.9	20.3
El Salvador	590	25.6	8.4	51.8	25.6	6.8	1.4	6.1	22.7	28.7
England	589	83.6	0.2	14.4	83.6	0.6	0.3	0.9	80.3	86.7
Georgia	597	55.9	4.9	21.3	55.9	12.1	2.7	3.1	55.6	56.1
Ghana	764	15.0	22.0	41.1	15.0	14.7	3.0	4.2	13.9	15.9
Hong Kong SAR	495	73.3	1.7	21.2	73.3	3.4	0.2	0.2	79.5	67.2
Hungary	586	78.1	0.0	17.2	78.1	2.7	1.3	0.8	78.8	77.3
Indonesia	584	39.0	15.5	28.4	39.0	14.0	1.3	1.8	38.2	40.0
Iran, Islamic Rep. of	562	71.4	3.5	11.2	71.4	7.9	1.4	4.5	72.4	70.5
Israel	456	54.5	1.7	35.0	54.5	5.1	0.6	3.1	47.3	62.5
Italy	629	44.5	1.3	49.0	44.5	2.9	1.1	1.2	44.1	44.9
Japan	617	75.9	1.1	19.3	75.9	2.7	0.3	0.7	76.3	75.5
Jordan	758	18.8	5.6	67.4	18.8	6.3	0.6	1.4	17.4	20.1
Korea, Rep. of	606	95.5	0.0	2.5	95.5	2.0	0.0	0.0	96.3	94.8
Kuwait	575	23.9	8.0	54.9	23.9	8.9	1.7	2.6	21.7	26.5
Lebanon	540	22.4	10.1	42.7	22.4	17.7	4.7	2.5	20.5	24.6
Lithuania	579	92.6	0.0	3.8	92.6	2.1	0.9	0.7	91.5	93.6
Malaysia	642	29.1	5.1	54.5	29.1	7.4	0.8	3.1	25.6	32.9
Malta	666	64.1	5.3	22.0	64.1	7.1	0.6	0.9	63.2	65.0
Morocco	344	16.0	15.4	58.3	16.0	6.7	2.9	0.8	15.3	16.8
Norway	663	67.9	0.9	23.7	67.9	5.1	0.9	1.5	70.3	65.5
Oman	680	17.3	6.6	57.1	17.3	13.0	2.3	3.6	12.7	22.4
Palestinian Nat'l Auth.	629	19.0	10.7	54.7	19.0	13.2	1.6	0.8	17.9	20.1
Qatar	1023	22.8	13.2	46.9	22.8	14.6	1.6	1.1	22.3	23.2
Romania	.	.	.	.	.	.	.	.	.	.
Russian Federation	633	74.6	0.4	16.7	74.6	4.7	2.0	1.6	74.0	75.2
Saudi Arabia	610	40.6	21.3	17.4	40.6	17.3	0.8	2.6	45.0	36.5
Scotland	573	79.0	1.8	17.2	79.0	1.2	0.1	0.7	76.6	81.4
Serbia	581	64.0	0.1	23.6	64.0	10.4	1.5	0.4	70.0	58.2
Singapore	655	77.9	4.3	14.6	77.9	2.6	0.0	0.7	79.7	76.1
Slovenia	570	81.9	0.9	11.4	81.9	5.5	0.3	0.0	82.1	81.8
Sweden	724	51.8	1.2	40.2	51.8	3.6	0.5	2.7	51.2	52.4
Syrian Arab Republic	647	17.4	4.7	70.3	17.4	4.2	2.3	1.1	18.8	15.9
Thailand	775	49.0	2.6	36.3	49.0	9.0	1.3	1.9	49.6	48.4
Tunisia	590	27.0	2.7	53.9	27.0	7.6	4.8	4.0	27.1	27.0
Turkey	647	72.4	4.2	12.3	72.4	10.6	0.1	0.4	71.2	73.4
Ukraine	635	71.4	1.6	18.4	71.4	6.7	0.6	1.3	71.5	71.3
United States	1040	74.9	1.7	19.6	74.9	1.7	1.2	1.0	71.5	78.3
International Avg.	641	51.0	5.1	32.3	51.0	8.0	1.4	2.2	50.6	51.4
Basque Country, Spain	327	60.5	0.5	33.0	60.5	3.7	0.4	1.9	57.0	63.2
British Columbia, Canada	607	82.0	1.7	12.8	82.0	1.8	1.1	0.7	78.4	85.5
Dubai, UAE	455	45.9	7.9	36.5	45.9	4.9	2.1	2.6	46.2	45.6
Massachusetts, US	280	83.6	1.3	12.4	83.6	0.3	0.5	1.9	80.1	87.8
Minnesota, US	242	81.5	1.0	15.4	81.5	1.1	0.8	0.3	79.6	83.3
Ontario, Canada	482	82.0	0.6	13.5	82.0	1.7	0.7	1.4	83.6	80.4
Quebec, Canada	538	85.7	0.3	8.2	85.7	2.3	1.4	2.1	86.9	84.5

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Number / Knowing (M032166 - M13_01)
 Label: Best estimate of (7.21x3.86)/10.09
 Type: MC Key: B

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	778	39.4	23.3	39.4	13.4	17.4	6.1	0.4	38.5	40.3
Armenia	665	52.7	12.1	52.7	6.6	16.9	10.6	1.0	53.9	51.6
Australia	575	63.6	13.8	63.6	7.6	12.6	2.4	0.0	60.2	67.0
Bahrain	603	31.3	32.3	31.3	17.5	14.7	4.0	0.2	28.7	33.8
Bosnia and Herzegovina	598	64.3	15.5	64.3	7.7	7.7	4.7	0.0	66.8	62.4
Botswana	607	32.3	36.1	32.3	12.0	16.0	3.5	0.0	33.2	31.4
Bulgaria	561	59.2	13.1	59.2	12.9	9.5	4.3	1.0	62.0	55.9
Chinese Taipei	579	72.9	9.6	72.9	7.5	10.0	0.0	0.0	69.2	76.2
Colombia	699	25.3	44.1	25.3	13.6	12.8	3.9	0.4	18.5	32.2
Cyprus	630	65.5	11.6	65.5	6.6	15.6	0.8	0.0	68.1	62.8
Czech Republic	700	70.4	7.7	70.4	5.7	14.4	1.8	0.0	68.9	72.0
Egypt	934	33.4	22.1	33.4	22.0	20.1	2.5	0.0	32.9	33.9
El Salvador	586	25.7	35.6	25.7	20.7	10.2	7.0	0.8	22.7	29.4
England	574	75.4	9.4	75.4	2.4	12.4	0.2	0.1	69.3	82.0
Georgia	597	44.1	23.7	44.1	10.8	16.0	5.3	0.0	41.4	46.6
Ghana	755	22.7	50.1	22.7	13.0	10.8	3.2	0.2	20.4	24.4
Hong Kong SAR	495	86.5	4.5	86.5	2.0	6.8	0.2	0.0	89.2	83.8
Hungary	593	66.5	9.0	66.5	6.5	16.1	1.9	0.0	65.6	67.5
Indonesia	585	39.2	41.6	39.2	8.8	8.5	1.7	0.1	38.4	39.9
Iran, Islamic Rep. of	562	36.9	25.3	36.9	16.9	17.7	3.3	0.0	34.2	39.2
Israel	460	58.3	11.2	58.3	9.8	17.4	3.1	0.1	55.3	61.7
Italy	621	54.8	19.4	54.8	7.7	13.5	4.3	0.3	56.5	53.2
Japan	628	78.1	7.3	78.1	4.7	9.7	0.2	0.0	77.8	78.4
Jordan	746	60.1	14.5	60.1	9.9	14.3	1.0	0.2	66.0	54.4
Korea, Rep. of	608	71.2	10.8	71.2	8.8	8.5	0.6	0.0	66.7	75.8
Kuwait	572	25.6	30.0	25.6	18.3	15.3	9.0	1.8	23.9	27.5
Lebanon	536	47.0	17.2	47.0	10.4	22.0	3.4	0.0	46.4	47.8
Lithuania	569	79.8	4.6	79.8	3.5	10.0	2.2	0.0	81.8	77.8
Malaysia	639	65.0	12.1	65.0	6.3	14.4	2.1	0.2	66.9	62.8
Malta	663	73.5	7.8	73.5	6.6	10.0	2.0	0.1	75.2	71.7
Morocco	344	23.3	38.4	23.3	16.1	13.1	8.9	0.3	21.2	25.4
Norway	642	69.7	8.1	69.7	5.6	14.9	1.7	0.0	69.6	69.9
Oman	673	32.7	30.3	32.7	17.0	16.4	3.7	0.0	32.9	32.4
Palestinian Nat'l Auth.	620	34.9	21.0	34.9	22.6	17.8	3.6	0.0	36.5	33.3
Qatar	1028	29.0	29.3	29.0	24.0	14.4	3.1	0.2	25.8	32.3
Romania	597	58.7	19.7	58.7	7.4	12.3	1.9	0.0	58.8	58.6
Russian Federation	636	67.9	12.6	67.9	5.7	10.4	3.4	0.0	68.2	67.5
Saudi Arabia	604	20.2	46.1	20.2	19.2	9.6	4.9	0.0	24.0	16.7
Scotland	581	61.7	12.9	61.7	9.7	14.4	1.2	0.1	63.3	59.9
Serbia	573	66.1	11.1	66.1	7.8	10.3	4.5	0.1	65.8	66.4
Singapore	651	90.8	1.8	90.8	2.2	4.6	0.6	0.0	91.4	90.3
Slovenia	562	66.6	9.5	66.6	6.4	16.6	0.9	0.0	60.7	72.6
Sweden	725	76.4	6.0	76.4	5.1	10.2	2.3	0.0	75.9	76.9
Syrian Arab Republic	663	30.6	33.1	30.6	19.0	14.5	2.6	0.2	30.3	30.9
Thailand	776	53.0	22.4	53.0	10.7	11.7	2.2	0.0	55.7	50.4
Tunisia	587	40.5	30.1	40.5	10.2	15.6	3.7	0.0	33.8	47.6
Turkey	647	36.3	32.3	36.3	14.5	12.8	4.1	0.0	31.5	40.9
Ukraine	623	62.4	14.8	62.4	6.7	14.2	1.9	0.0	63.5	61.2
United States	1050	83.7	6.6	83.7	3.1	5.8	0.4	0.4	84.2	83.2
International Avg.	639	53.6	19.6	53.6	10.5	13.1	3.1	0.2	52.9	54.3
Basque Country, Spain	330	77.3	8.2	77.3	3.4	8.2	2.9	0.0	76.8	77.7
British Columbia, Canada	610	76.0	7.6	76.0	3.8	11.0	1.6	0.0	73.5	78.5
Dubai, UAE	444	52.4	15.6	52.4	9.7	16.4	5.4	0.4	47.4	57.2
Massachusetts, US	273	85.3	5.9	85.3	1.8	5.6	1.4	0.0	85.5	85.0
Minnesota, US	252	87.1	4.6	87.1	2.9	5.5	0.0	0.0	89.1	85.0
Ontario, Canada	484	75.4	7.4	75.4	4.2	11.6	1.4	0.0	76.2	74.6
Quebec, Canada	576	81.8	4.2	81.8	3.0	9.9	1.2	0.0	81.3	82.3

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Data and Chance / Reasoning (M032721 - M13_02)
 Label: Sales of two types of soft drink
 Type: MC Key: B

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	777	32.2	23.2	32.2	17.9	17.2	9.1	0.5	31.2	33.1
Armenia	666	30.3	13.2	30.3	20.8	16.4	17.7	1.6	30.5	30.0
Australia	575	42.4	32.7	42.4	18.9	4.5	1.4	0.1	42.2	42.5
Bahrain	603	30.8	24.7	30.8	20.4	20.0	3.9	0.2	33.9	27.8
Bosnia and Herzegovina	598	32.6	22.9	32.6	21.3	17.7	5.6	0.0	32.1	32.9
Botswana	607	27.3	25.3	27.3	17.7	24.3	5.4	0.0	22.8	32.4
Bulgaria	561	38.6	23.5	38.6	17.4	14.6	4.9	1.0	42.2	34.3
Chinese Taipei	579	51.3	34.3	51.3	11.9	2.5	0.1	0.0	50.0	52.3
Colombia	699	30.2	22.6	30.2	17.2	25.7	3.9	0.4	22.8	37.9
Cyprus	630	39.0	23.5	39.0	20.8	14.7	2.0	0.0	38.1	39.9
Czech Republic	700	45.3	26.3	45.3	18.2	6.6	3.6	0.0	49.7	41.0
Egypt	939	30.5	19.6	30.5	23.7	23.4	2.8	0.0	28.2	32.8
El Salvador	586	24.3	16.6	24.3	19.4	34.2	4.2	1.2	21.0	28.4
England	574	46.9	28.8	46.9	12.8	9.5	1.8	0.1	41.8	52.4
Georgia	597	32.4	17.8	32.4	19.7	20.1	10.0	0.0	32.5	32.3
Ghana	755	27.6	19.2	27.6	16.8	30.5	5.7	0.2	29.6	26.2
Hong Kong SAR	495	46.2	31.8	46.2	14.1	7.1	0.8	0.0	44.7	47.6
Hungary	593	43.6	35.8	43.6	12.6	5.8	2.3	0.0	41.8	45.7
Indonesia	585	32.1	25.2	32.1	19.4	21.3	1.8	0.1	34.0	30.4
Iran, Islamic Rep. of	562	27.7	21.8	27.7	19.6	27.2	3.8	0.0	24.4	30.4
Israel	460	35.0	29.9	35.0	19.0	10.8	5.2	0.1	37.4	32.4
Italy	622	43.5	27.5	43.5	16.0	8.9	3.8	0.3	40.5	46.4
Japan	628	55.3	32.1	55.3	8.5	3.7	0.5	0.0	52.3	58.5
Jordan	746	33.6	21.2	33.6	19.3	20.3	5.5	0.2	32.3	34.9
Korea, Rep. of	608	66.4	22.4	66.4	6.9	4.2	0.1	0.0	63.7	69.1
Kuwait	572	34.7	20.4	34.7	21.1	15.6	6.4	1.8	34.9	34.5
Lebanon	538	32.1	17.5	32.1	24.8	15.7	9.9	0.0	28.9	36.1
Lithuania	569	41.6	31.5	41.6	13.5	11.0	2.4	0.0	41.3	41.9
Malaysia	639	40.0	34.0	40.0	14.5	10.0	1.2	0.2	40.0	40.0
Malta	664	40.6	27.5	40.6	18.2	11.8	1.7	0.1	36.4	44.9
Morocco	343	39.4	23.6	39.4	15.8	12.9	8.0	0.3	37.6	41.2
Norway	642	40.5	26.5	40.5	19.8	11.3	1.9	0.0	34.8	45.9
Oman	673	29.9	21.4	29.9	20.1	22.0	6.5	0.0	26.1	34.1
Palestinian Nat'l Auth.	620	32.9	16.8	32.9	23.5	24.5	2.3	0.0	37.0	28.7
Qatar	1028	28.5	21.0	28.5	21.3	26.7	2.4	0.2	26.8	30.1
Romania	597	38.0	21.7	38.0	15.9	21.6	2.7	0.1	38.4	37.7
Russian Federation	636	43.4	24.5	43.4	16.7	11.9	3.5	0.0	46.3	40.0
Saudi Arabia	602	31.8	20.1	31.8	21.8	23.6	2.7	0.0	35.6	28.3
Scotland	581	45.6	26.7	45.6	19.0	6.5	2.2	0.1	46.9	44.1
Serbia	575	45.7	23.8	45.7	15.2	10.8	4.2	0.3	42.5	48.7
Singapore	651	55.9	23.9	55.9	12.6	7.1	0.6	0.0	54.3	57.4
Slovenia	562	50.2	28.0	50.2	14.6	6.4	0.6	0.2	49.5	50.9
Sweden	725	48.4	29.5	48.4	13.5	6.6	2.0	0.0	50.5	46.3
Syrian Arab Republic	663	32.9	22.0	32.9	23.1	19.8	2.0	0.2	29.4	36.7
Thailand	777	43.9	26.1	43.9	15.1	12.7	2.2	0.0	44.4	43.4
Tunisia	587	33.5	26.8	33.5	18.9	16.5	4.3	0.0	28.1	39.4
Turkey	647	36.5	24.5	36.5	20.0	17.7	1.3	0.0	33.5	39.3
Ukraine	623	32.8	22.7	32.8	21.7	20.5	2.3	0.0	36.2	29.6
United States	1050	46.1	27.6	46.1	15.6	9.0	1.3	0.4	46.0	46.3
International Avg.	639	38.6	24.7	38.6	17.7	15.2	3.7	0.2	37.7	39.5
Basque Country, Spain	330	44.6	27.8	44.6	17.5	6.2	3.9	0.0	35.5	52.2
British Columbia, Canada	610	46.0	25.8	46.0	20.2	6.9	1.1	0.0	45.9	46.1
Dubai, UAE	445	40.3	23.4	40.3	19.8	12.0	4.1	0.4	34.6	45.9
Massachusetts, US	273	51.0	28.2	51.0	13.0	4.2	3.5	0.0	47.7	54.8
Minnesota, US	252	49.2	32.4	49.2	12.7	4.4	1.3	0.0	47.3	51.2
Ontario, Canada	484	47.5	29.7	47.5	16.2	5.8	0.8	0.0	47.9	47.1
Quebec, Canada	576	47.7	25.9	47.7	15.9	8.3	2.2	0.0	43.7	52.0

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Algebra / Reasoning (M032757 - M13_03)
 Label: Red/Black Tiles_Complete table
 Type: CR Key: -

COUNTRY	N	20	10	70	79	OMIT TED	NOT REACH ED	V1	V2	1.GIRL %Right	2.BOY %Right
Algeria	774	37.2	10.2	2.4	33.9	15.7	0.6	47.4	37.2	35.1	39.4
Armenia	662	42.2	12.0	5.5	14.4	24.0	1.9	54.3	42.2	45.4	39.2
Australia	575	57.2	6.6	9.3	20.1	6.7	0.1	63.8	57.2	55.5	58.9
Bahrain	603	46.4	6.6	6.7	28.9	11.1	0.3	53.0	46.4	53.1	40.0
Bosnia and Herzegovina	598	51.7	8.2	7.0	15.8	17.2	0.1	59.9	51.7	57.8	46.8
Botswana	607	42.5	11.4	8.2	30.4	7.0	0.4	53.9	42.5	44.8	40.0
Bulgaria	561	50.1	5.6	5.3	20.0	18.0	1.0	55.7	50.1	50.2	49.9
Chinese Taipei	579	81.8	2.2	5.5	5.2	5.3	0.0	84.0	81.8	83.0	80.7
Colombia	699	44.1	12.8	5.8	27.9	8.9	0.5	56.9	44.1	43.3	45.0
Cyprus	630	61.7	2.9	6.3	20.4	8.7	0.0	64.6	61.7	64.8	58.4
Czech Republic	700	62.3	9.9	5.5	15.6	6.6	0.0	72.2	62.3	64.8	59.9
Egypt	944	39.5	6.0	15.3	29.0	10.2	0.0	45.5	39.5	43.4	35.5
El Salvador	586	29.7	7.0	9.4	31.7	20.9	1.2	36.7	29.7	28.9	30.6
England	574	65.5	7.5	5.1	17.7	4.1	0.1	73.0	65.5	67.1	63.8
Georgia	597	29.4	4.7	6.2	20.3	39.3	0.1	34.1	29.4	28.2	30.4
Ghana	755	31.7	7.4	13.1	30.2	17.1	0.5	39.0	31.7	28.8	33.8
Hong Kong SAR	495	74.9	2.2	7.8	9.7	5.2	0.2	77.1	74.9	74.2	75.6
Hungary	593	67.9	6.5	7.2	13.0	5.4	0.0	74.4	67.9	68.2	67.6
Indonesia	585	54.2	11.8	4.5	23.9	5.4	0.1	66.1	54.2	57.5	51.1
Iran, Islamic Rep. of	562	49.3	6.9	13.2	23.2	7.4	0.0	56.3	49.3	53.8	45.5
Israel	460	48.8	6.6	7.0	20.5	17.0	0.1	55.4	48.8	45.9	52.1
Italy	622	61.4	5.6	5.8	18.6	8.3	0.3	67.0	61.4	66.6	56.4
Japan	628	81.9	3.4	5.1	4.5	5.1	0.0	85.3	81.9	82.0	81.9
Jordan	746	53.9	4.1	10.0	23.7	8.2	0.2	58.0	53.9	56.8	51.1
Korea, Rep. of	608	87.3	3.8	3.2	4.3	1.5	0.0	91.0	87.3	89.0	85.5
Kuwait	570	25.2	10.1	6.1	28.2	28.5	2.0	35.3	25.2	27.1	23.1
Lebanon	539	62.7	4.3	8.6	15.7	8.7	0.0	67.1	62.7	67.2	57.0
Lithuania	569	63.2	6.9	5.2	17.0	7.8	0.0	70.1	63.2	66.1	60.1
Malaysia	640	62.9	7.2	5.0	19.0	5.7	0.2	70.1	62.9	67.0	58.4
Malta	665	63.2	4.8	9.3	17.4	5.1	0.1	68.0	63.2	65.8	60.5
Morocco	348	42.7	13.5	8.6	18.8	15.9	0.4	56.2	42.7	43.8	41.6
Norway	642	42.6	7.3	8.0	26.8	15.0	0.2	49.9	42.6	45.7	39.6
Oman	673	43.8	5.6	13.1	29.8	7.7	0.0	49.4	43.8	48.3	38.8
Palestinian Nat'l Auth.	620	38.7	7.0	11.9	34.9	7.5	0.0	45.7	38.7	45.3	31.9
Qatar	1028	17.2	4.3	14.7	31.3	32.3	0.2	21.5	17.2	19.6	14.7
Romania	597	44.1	7.6	8.0	27.5	12.8	0.1	51.7	44.1	46.4	42.0
Russian Federation	636	62.6	6.0	3.3	19.9	8.2	0.0	68.6	62.6	65.3	59.3
Saudi Arabia	604	26.1	10.1	8.0	44.6	11.2	0.0	36.2	26.1	23.1	28.9
Scotland	581	61.7	6.6	7.1	19.4	5.2	0.1	68.3	61.7	66.6	56.1
Serbia	576	54.3	6.4	6.8	17.8	14.0	0.6	60.7	54.3	53.4	55.1
Singapore	651	82.8	4.8	3.4	6.7	2.3	0.0	87.6	82.8	84.6	81.0
Slovenia	562	60.5	8.7	6.9	18.7	5.2	0.2	69.1	60.5	66.8	54.1
Sweden	725	48.2	8.0	7.4	21.0	15.4	0.0	56.1	48.2	52.8	43.6
Syrian Arab Republic	662	34.1	9.5	10.5	32.9	12.8	0.2	43.6	34.1	33.5	34.8
Thailand	777	54.3	7.4	5.8	22.1	10.4	0.0	61.7	54.3	62.6	46.2
Tunisia	586	50.2	9.0	9.3	25.3	6.1	0.2	59.2	50.2	43.0	58.0
Turkey	647	44.5	4.2	6.7	24.5	20.1	0.0	48.7	44.5	43.9	44.9
Ukraine	623	43.7	7.2	6.2	29.8	13.1	0.0	50.9	43.7	44.6	42.9
United States	1050	59.7	7.0	9.1	16.5	7.3	0.4	66.7	59.7	56.9	62.8
International Avg.	639	51.9	7.0	7.5	21.8	11.5	0.3	58.9	51.9	53.6	50.1
Basque Country, Spain	330	69.6	4.4	5.1	11.8	9.0	0.0	74.1	69.6	67.4	71.4
British Columbia, Canada	610	59.3	6.0	8.3	18.9	7.6	0.0	65.2	59.3	58.1	60.4
Dubai, UAE	445	60.0	5.3	5.3	15.6	13.5	0.5	65.2	60.0	58.5	61.4
Massachusetts, US	273	69.8	3.3	8.6	14.2	4.0	0.0	73.1	69.8	70.3	69.3
Minnesota, US	252	65.4	3.7	9.8	17.6	3.5	0.0	69.2	65.4	65.8	65.0
Ontario, Canada	484	70.9	6.2	8.8	11.2	2.9	0.0	77.1	70.9	69.2	72.6
Quebec, Canada	576	66.2	5.0	7.7	15.4	5.6	0.0	71.3	66.2	66.8	65.6

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Algebra / Reasoning (M032760A - M13_04A)
 Label: Red/Black Tiles_Shape with 64 tiles
 Type: CR Key: -

COUNTRY	N	20	10	11	79	OMIT TED	NOT REACH ED	V1	V2	1.GIRL %Right	2.BOY %Right
Algeria	775	4.8	0.8	0.0	66.5	26.9	1.0	5.6	4.8	4.0	5.6
Armenia	665	35.7	3.7	0.8	33.5	23.1	3.2	40.2	35.7	34.4	36.9
Australia	575	31.0	1.5	1.3	46.6	19.5	0.1	33.8	31.0	28.4	33.7
Bahrain	603	10.0	1.4	1.6	69.8	17.0	0.3	13.0	10.0	10.7	9.2
Bosnia and Herzegovina	598	15.4	3.4	0.8	46.7	33.6	0.1	19.6	15.4	18.3	13.1
Botswana	607	10.3	0.2	1.1	82.3	5.7	0.4	11.6	10.3	11.8	8.5
Bulgaria	561	23.4	1.8	0.5	37.5	35.4	1.3	25.8	23.4	22.0	25.1
Chinese Taipei	579	69.7	3.4	1.8	20.4	4.7	0.0	74.9	69.7	66.6	72.4
Colombia	699	13.2	0.7	0.7	64.3	20.2	1.0	14.6	13.2	11.7	14.6
Cyprus	630	28.2	1.3	1.8	44.5	24.1	0.1	31.3	28.2	29.1	27.3
Czech Republic	700	28.6	3.3	1.6	40.6	25.9	0.0	33.5	28.6	32.1	25.0
Egypt	943	11.6	2.2	1.9	73.0	11.2	0.1	15.7	11.6	11.1	12.2
El Salvador	586	2.6	0.9	0.0	72.3	22.8	1.4	3.4	2.6	2.1	3.1
England	574	41.3	1.0	1.4	40.6	15.5	0.1	43.8	41.3	37.8	45.1
Georgia	597	6.6	1.2	0.4	46.1	45.6	0.1	8.2	6.6	6.2	6.8
Ghana	755	2.6	2.2	0.5	80.6	13.4	0.8	5.2	2.6	2.0	3.1
Hong Kong SAR	495	59.8	5.3	3.4	23.1	8.0	0.4	68.5	59.8	58.6	61.0
Hungary	593	34.6	0.8	1.5	41.3	21.8	0.0	36.9	34.6	36.9	32.1
Indonesia	585	15.1	7.2	0.4	68.3	8.9	0.1	22.7	15.1	15.9	14.2
Iran, Islamic Rep. of	562	13.5	1.4	1.5	66.7	16.8	0.1	16.5	13.5	13.8	13.2
Israel	460	14.1	13.0	1.6	40.5	30.3	0.4	28.7	14.1	12.5	16.0
Italy	622	22.1	2.5	1.1	47.8	26.2	0.3	25.7	22.1	26.1	18.3
Japan	628	57.8	4.4	2.4	26.4	8.9	0.0	64.6	57.8	55.4	60.4
Jordan	746	15.6	2.9	2.4	66.7	12.1	0.2	20.9	15.6	16.2	15.1
Korea, Rep. of	608	69.9	1.6	2.2	20.8	5.5	0.0	73.7	69.9	69.3	70.5
Kuwait	574	1.0	2.3	1.6	66.6	25.5	2.9	4.9	1.0	1.0	1.1
Lebanon	539	15.8	3.0	0.7	54.0	25.5	0.9	19.5	15.8	16.1	15.3
Lithuania	569	29.0	3.8	2.0	42.5	22.4	0.2	34.9	29.0	29.5	28.6
Malaysia	641	31.2	3.2	1.8	54.9	8.7	0.2	36.2	31.2	36.8	24.9
Malta	665	31.9	0.9	1.8	46.1	18.7	0.7	34.5	31.9	30.6	33.1
Morocco	348	10.2	1.1	1.6	58.7	27.9	0.6	12.9	10.2	8.7	11.7
Norway	642	18.0	3.3	1.9	55.4	21.0	0.6	23.1	18.0	14.8	21.0
Oman	673	7.2	1.8	1.8	81.5	7.5	0.2	10.8	7.2	7.8	6.6
Palestinian Nat'l Auth.	620	8.9	1.6	2.0	82.1	5.5	0.0	12.4	8.9	12.5	5.1
Qatar	1028	2.3	0.2	0.6	72.9	23.5	0.5	3.1	2.3	2.1	2.5
Romania	597	17.2	1.5	0.6	56.4	24.2	0.1	19.3	17.2	18.0	16.5
Russian Federation	636	32.5	2.5	1.0	38.6	25.4	0.0	36.0	32.5	35.5	29.0
Saudi Arabia	604	1.7	0.7	0.1	83.2	14.2	0.0	2.6	1.7	2.7	0.9
Scotland	581	27.1	3.2	2.8	48.0	18.8	0.1	33.1	27.1	26.5	27.9
Serbia	576	25.8	1.3	0.6	39.4	32.3	0.6	27.7	25.8	27.0	24.8
Singapore	651	67.1	2.4	2.7	23.8	4.0	0.0	72.2	67.1	70.1	64.1
Slovenia	562	33.9	2.6	2.1	46.6	14.7	0.2	38.6	33.9	37.3	30.5
Sweden	725	25.5	1.1	1.5	42.1	29.6	0.2	28.1	25.5	28.5	22.5
Syrian Arab Republic	663	6.3	2.2	1.1	74.9	15.0	0.5	9.6	6.3	7.6	4.8
Thailand	777	28.5	1.2	1.5	58.1	10.4	0.3	31.2	28.5	31.3	25.8
Tunisia	586	10.7	1.1	0.9	70.2	16.7	0.5	12.6	10.7	6.7	14.9
Turkey	647	19.1	1.1	0.8	64.8	14.2	0.0	21.0	19.1	18.5	19.7
Ukraine	623	13.9	1.3	1.2	56.2	27.4	0.0	16.4	13.9	12.4	15.3
United States	1050	34.4	1.2	2.4	53.7	7.7	0.4	38.1	34.4	32.4	36.7
International Avg.	639	23.2	2.3	1.4	53.8	18.9	0.4	26.9	23.2	23.4	23.0
Basque Country, Spain	330	32.5	1.2	1.3	45.0	19.8	0.2	35.0	32.5	31.4	33.4
British Columbia, Canada	610	33.1	1.1	1.7	47.3	16.7	0.2	35.9	33.1	31.8	34.4
Dubai, UAE	445	25.9	2.3	1.0	48.4	21.3	1.1	29.2	25.9	19.1	32.7
Massachusetts, US	273	49.8	2.3	1.1	37.1	9.8	0.0	53.1	49.8	50.8	48.6
Minnesota, US	252	39.2	2.6	2.8	49.9	5.1	0.5	44.6	39.2	41.5	36.6
Ontario, Canada	484	43.1	2.4	4.2	39.4	10.5	0.3	49.8	43.1	37.6	48.6
Quebec, Canada	576	41.6	1.8	2.4	35.4	18.8	0.0	45.8	41.6	38.2	45.2

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Algebra / Reasoning (M032760B - M13_04B)
 Label: Red/Black Tiles_Shape with 49 tiles
 Type: CR Key: -

COUNTRY	N	10	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	776	2.0	66.0	30.7	1.3	2.0	1.7	2.2
Armenia	665	33.9	36.6	26.1	3.4	33.9	33.1	34.6
Australia	575	19.5	55.6	24.8	0.2	19.5	16.8	22.2
Bahrain	603	7.0	73.3	19.1	0.6	7.0	6.5	7.5
Bosnia and Herzegovina	598	12.7	48.7	38.3	0.4	12.7	14.8	11.0
Botswana	607	6.5	86.3	6.1	1.0	6.5	7.7	5.3
Bulgaria	561	15.6	44.6	37.5	2.4	15.6	18.8	11.8
Chinese Taipei	579	56.9	35.2	7.8	0.0	56.9	54.4	59.1
Colombia	699	7.9	67.8	23.1	1.2	7.9	5.3	10.5
Cyprus	630	19.7	54.2	25.8	0.3	19.7	21.1	18.3
Czech Republic	700	20.9	47.1	32.0	0.1	20.9	24.4	17.4
Egypt	943	7.4	78.2	13.8	0.6	7.4	7.7	7.1
El Salvador	586	1.9	69.6	26.8	1.7	1.9	2.1	1.8
England	574	31.1	47.8	20.9	0.1	31.1	28.6	33.8
Georgia	597	4.7	46.5	48.3	0.6	4.7	4.5	4.8
Ghana	755	1.6	82.1	15.4	0.9	1.6	0.3	2.6
Hong Kong SAR	495	47.6	40.9	11.1	0.4	47.6	44.5	50.5
Hungary	593	23.6	48.6	27.7	0.0	23.6	24.2	23.0
Indonesia	585	15.1	73.3	11.4	0.3	15.1	12.3	17.7
Iran, Islamic Rep. of	562	9.8	68.5	21.5	0.2	9.8	9.5	10.1
Israel	460	14.9	49.6	34.4	1.1	14.9	13.4	16.7
Italy	622	15.1	55.9	28.8	0.3	15.1	17.0	13.2
Japan	628	41.4	44.4	14.3	0.0	41.4	37.7	45.2
Jordan	746	7.0	77.6	14.9	0.4	7.0	6.5	7.5
Korea, Rep. of	608	50.8	43.2	6.0	0.0	50.8	46.6	54.9
Kuwait	574	2.5	66.2	28.0	3.2	2.5	2.5	2.6
Lebanon	539	12.9	56.4	29.8	0.9	12.9	12.6	13.3
Lithuania	569	21.7	48.2	29.8	0.3	21.7	20.8	22.7
Malaysia	641	23.7	65.6	10.4	0.2	23.7	24.0	23.4
Malta	664	24.4	51.4	23.5	0.7	24.4	23.7	25.2
Morocco	348	5.0	57.7	36.1	1.2	5.0	4.9	5.1
Norway	642	15.5	57.9	25.9	0.7	15.5	12.6	18.3
Oman	673	6.2	81.9	11.7	0.2	6.2	9.0	3.1
Palestinian Nat'l Auth.	620	4.8	87.4	7.8	0.0	4.8	6.0	3.5
Qatar	1028	2.0	73.3	24.2	0.5	2.0	1.6	2.3
Romania	597	12.3	61.9	25.5	0.3	12.3	11.5	12.9
Russian Federation	636	24.3	50.2	25.6	0.0	24.3	27.6	20.4
Saudi Arabia	604	1.2	81.1	17.7	0.0	1.2	2.0	0.5
Scotland	581	19.5	53.9	26.5	0.1	19.5	18.8	20.3
Serbia	576	12.2	54.7	32.3	0.8	12.2	12.8	11.6
Singapore	651	61.0	33.8	5.3	0.0	61.0	62.7	59.2
Slovenia	562	21.7	58.9	19.1	0.3	21.7	24.8	18.6
Sweden	725	17.3	46.4	36.0	0.2	17.3	18.8	15.8
Syrian Arab Republic	663	3.6	76.3	19.5	0.5	3.6	5.0	2.1
Thailand	777	20.4	68.2	11.0	0.5	20.4	23.4	17.4
Tunisia	586	7.7	74.0	17.9	0.5	7.7	6.5	9.0
Turkey	647	9.1	72.5	18.4	0.0	9.1	7.2	11.0
Ukraine	623	11.3	59.2	29.5	0.0	11.3	11.5	11.2
United States	1050	23.6	66.5	9.4	0.4	23.6	22.4	25.0
International Avg.	639	17.1	60.1	22.2	0.6	17.1	17.0	17.2
Basque Country, Spain	330	21.4	47.9	30.3	0.4	21.4	19.9	22.6
British Columbia, Canada	610	23.4	54.7	21.6	0.3	23.4	20.9	25.9
Dubai, UAE	445	18.1	58.3	22.5	1.2	18.1	11.0	25.1
Massachusetts, US	273	37.0	50.9	12.1	0.0	37.0	40.3	33.4
Minnesota, US	252	29.8	65.5	4.2	0.5	29.8	28.4	31.4
Ontario, Canada	484	34.4	50.8	14.4	0.3	34.4	28.9	40.0
Quebec, Canada	576	28.7	47.4	23.8	0.0	28.7	25.6	32.0

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Algebra / Reasoning (M032760C - M13_04C)
 Label: Red/Black Tiles_Shape with 44 tiles
 Type: CR Key: -

COUNTRY	N	10	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	775	1.0	64.4	33.3	1.3	1.0	0.3	1.7
Armenia	665	28.9	39.2	28.3	3.7	28.9	26.1	31.6
Australia	575	15.0	57.7	27.1	0.2	15.0	14.1	16.0
Bahrain	603	3.2	73.2	23.1	0.6	3.2	2.5	3.8
Bosnia and Herzegovina	598	5.1	44.8	49.8	0.4	5.1	6.7	3.8
Botswana	607	2.4	88.8	7.9	1.0	2.4	2.6	2.1
Bulgaria	561	10.5	42.4	44.7	2.4	10.5	13.0	7.5
Chinese Taipei	579	50.5	38.6	10.9	0.0	50.5	48.2	52.5
Colombia	699	2.9	67.4	28.2	1.5	2.9	1.7	4.2
Cyprus	630	14.5	54.2	30.9	0.4	14.5	16.6	12.3
Czech Republic	700	14.1	46.2	39.6	0.1	14.1	14.3	14.0
Egypt	943	4.8	77.0	17.6	0.6	4.8	5.3	4.3
El Salvador	586	0.6	65.9	31.6	1.9	0.6	0.7	0.6
England	574	18.0	57.7	24.2	0.1	18.0	18.0	18.0
Georgia	597	2.5	42.4	54.5	0.6	2.5	2.5	2.4
Ghana	755	0.9	76.0	22.0	1.2	0.9	0.3	1.3
Hong Kong SAR	495	35.3	48.2	15.8	0.7	35.3	33.4	37.2
Hungary	593	14.7	44.4	40.9	0.0	14.7	14.2	15.3
Indonesia	585	4.9	79.1	15.6	0.4	4.9	5.8	4.1
Iran, Islamic Rep. of	562	6.3	67.3	26.1	0.4	6.3	6.8	5.8
Israel	460	10.4	46.6	41.7	1.3	10.4	8.3	12.8
Italy	622	9.8	54.0	35.8	0.4	9.8	9.6	10.1
Japan	628	30.5	49.8	19.7	0.0	30.5	26.7	34.6
Jordan	746	5.3	75.3	19.0	0.4	5.3	5.0	5.7
Korea, Rep. of	608	48.1	44.9	7.0	0.0	48.1	49.0	47.3
Kuwait	574	1.6	64.7	30.3	3.4	1.6	1.4	1.9
Lebanon	539	6.3	56.8	36.0	0.9	6.3	7.0	5.2
Lithuania	569	12.1	49.7	37.8	0.3	12.1	11.2	13.1
Malaysia	641	16.9	69.8	13.1	0.2	16.9	20.1	13.4
Malta	665	16.6	55.0	27.8	0.7	16.6	15.1	18.2
Morocco	348	1.8	53.7	43.3	1.2	1.8	0.4	3.2
Norway	642	7.5	59.8	32.0	0.7	7.5	4.8	10.0
Oman	673	2.3	82.9	14.7	0.2	2.3	2.5	2.1
Palestinian Nat'l Auth.	620	2.9	86.8	10.2	0.0	2.9	3.9	1.9
Qatar	1028	0.9	72.6	26.0	0.5	0.9	0.6	1.3
Romania	597	9.3	60.6	29.8	0.3	9.3	11.7	7.1
Russian Federation	636	16.6	49.2	34.3	0.0	16.6	17.9	15.0
Saudi Arabia	604	0.2	81.8	17.9	0.0	0.2	0.5	0.0
Scotland	581	11.2	57.5	31.2	0.1	11.2	10.6	11.9
Serbia	576	8.9	48.6	41.6	0.9	8.9	10.4	7.5
Singapore	651	50.4	42.6	7.0	0.0	50.4	51.3	49.5
Slovenia	562	14.1	60.8	24.8	0.3	14.1	14.8	13.5
Sweden	725	10.0	47.9	41.8	0.2	10.0	9.8	10.2
Syrian Arab Republic	663	2.0	74.4	23.1	0.5	2.0	2.2	1.7
Thailand	777	14.3	71.0	14.0	0.7	14.3	17.2	11.5
Tunisia	586	2.4	74.4	22.7	0.5	2.4	1.7	3.3
Turkey	647	9.2	67.3	23.5	0.0	9.2	7.6	10.7
Ukraine	623	4.8	60.3	34.8	0.0	4.8	5.8	3.9
United States	1050	17.4	69.8	12.3	0.4	17.4	15.2	19.7
International Avg.	639	11.8	60.5	27.0	0.6	11.8	11.7	11.9
Basque Country, Spain	330	12.7	47.2	39.7	0.4	12.7	12.2	13.2
British Columbia, Canada	610	15.7	55.9	28.2	0.3	15.7	11.7	19.7
Dubai, UAE	445	13.1	56.2	29.6	1.2	13.1	7.4	18.7
Massachusetts, US	273	27.4	57.0	15.6	0.0	27.4	27.9	26.9
Minnesota, US	252	19.3	74.2	6.1	0.5	19.3	17.0	21.7
Ontario, Canada	484	24.3	56.2	19.1	0.3	24.3	21.9	26.6
Quebec, Canada	576	19.9	50.5	29.4	0.2	19.9	15.9	24.3

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Algebra / Reasoning (M032761 - M13_05)
 Label: Red/Black Tiles_Figure n
 Type: CR Key: -

COUNTRY	N	20	21	10	11	70	79	OMIT TED	NOT REACH ED	V1	V2	1.GIRL %Right	2.BOY %Right
Algeria	760	0.1	0.0	0.5	0.1	10.4	43.8	43.9	1.1	0.8	0.1	0.0	0.2
Armenia	665	7.5	3.0	2.2	1.3	7.2	29.1	46.1	3.7	14.1	10.5	12.4	8.7
Australia	575	3.6	1.6	1.0	9.2	22.1	17.5	44.9	0.2	15.3	5.2	3.6	6.8
Bahrain	603	0.6	0.4	0.2	5.2	52.4	14.2	26.2	0.7	6.4	1.0	0.4	1.7
Bosnia and Herzegovina	598	1.2	3.0	0.5	7.8	17.3	13.3	56.6	0.4	12.4	4.2	6.8	2.0
Botswana	607	0.1	0.2	0.2	1.1	50.0	27.9	19.3	1.0	1.7	0.3	0.3	0.4
Bulgaria	561	6.0	2.1	0.5	4.8	4.1	21.1	58.9	2.6	13.3	8.1	9.1	6.9
Chinese Taipei	579	35.0	16.8	1.0	16.3	13.9	1.4	15.6	0.0	69.1	51.8	47.1	55.9
Colombia	699	0.6	0.9	0.2	2.9	42.8	13.4	37.0	2.3	4.5	1.5	0.7	2.3
Cyprus	630	5.7	0.5	1.2	5.7	4.0	29.0	53.3	0.6	13.1	6.3	7.8	4.7
Czech Republic	700	1.1	8.0	0.6	7.2	19.7	12.1	51.3	0.1	16.8	9.0	11.4	6.7
Egypt	942	0.6	1.7	0.3	4.7	53.0	19.4	19.5	0.7	7.4	2.4	2.9	1.8
El Salvador	586	0.0	0.0	0.2	1.0	26.5	26.2	44.1	2.1	1.1	0.0	0.0	0.0
England	574	6.1	6.1	0.6	16.3	28.7	11.0	31.0	0.1	29.2	12.2	12.3	12.1
Georgia	597	0.1	2.0	1.0	1.8	7.7	20.7	66.0	0.7	4.9	2.1	2.7	1.5
Ghana	755	0.1	0.0	0.3	0.3	31.9	34.8	31.5	1.2	0.7	0.1	0.2	0.0
Hong Kong SAR	495	16.5	21.0	1.3	18.3	19.2	7.1	15.9	0.7	57.1	37.5	37.0	38.0
Hungary	593	4.2	10.8	0.7	11.4	22.6	7.5	42.7	0.0	27.1	15.0	13.8	16.4
Indonesia	584	0.6	1.0	1.0	3.5	7.6	63.7	21.9	0.7	6.1	1.6	2.4	0.8
Iran, Islamic Rep. of	562	0.4	0.7	0.2	3.6	29.7	29.2	35.8	0.4	4.9	1.1	0.9	1.2
Israel	460	2.3	2.7	0.6	7.7	3.8	25.9	55.8	1.3	13.3	5.0	3.8	6.3
Italy	622	1.4	2.5	0.6	7.4	22.5	9.6	55.3	0.6	12.0	3.9	4.0	3.8
Japan	628	13.3	16.3	1.5	20.3	12.0	16.5	20.1	0.0	51.4	29.5	31.2	27.8
Jordan	746	2.0	2.8	0.6	11.4	26.5	36.7	19.5	0.6	16.7	4.8	5.9	3.6
Korea, Rep. of	608	16.2	20.0	0.9	17.9	23.5	6.7	14.9	0.0	54.9	36.1	36.2	36.0
Kuwait	574	0.2	0.0	0.1	1.2	0.0	56.3	38.5	3.6	1.6	0.2	0.4	0.0
Lebanon	539	0.9	4.0	0.0	8.9	23.3	12.8	49.0	1.1	13.9	5.0	5.2	4.7
Lithuania	569	2.4	6.4	0.6	7.6	27.9	7.9	46.8	0.3	17.1	8.9	8.2	9.6
Malaysia	641	1.3	2.8	1.0	6.1	26.3	31.3	31.0	0.2	11.2	4.0	4.4	3.7
Malta	665	0.7	3.0	0.7	9.4	32.1	11.7	41.6	0.7	13.8	3.7	2.4	5.1
Morocco	348	1.6	0.7	0.7	2.6	29.2	11.9	52.1	1.2	5.6	2.3	2.8	1.8
Norway	642	0.3	0.4	0.0	3.9	20.9	18.9	54.4	1.2	4.6	0.7	0.6	0.9
Oman	673	0.7	0.2	0.0	4.8	56.9	19.8	17.2	0.3	5.8	0.9	1.3	0.5
Palestinian Nat'l Auth.	620	0.8	1.4	0.0	6.1	61.5	16.9	13.3	0.0	8.3	2.2	3.2	1.2
Qatar	1028	0.0	0.1	0.3	2.3	45.0	19.6	32.2	0.5	2.7	0.1	0.0	0.2
Romania	597	6.6	1.0	0.9	2.1	12.4	34.5	42.3	0.3	10.5	7.5	8.1	7.0
Russian Federation	636	2.7	9.8	0.4	8.2	27.5	9.3	41.8	0.3	21.1	12.5	12.2	12.9
Saudi Arabia	604	0.0	0.0	0.7	0.8	33.6	43.1	21.8	0.1	1.4	0.0	0.0	0.0
Scotland	581	4.3	1.4	0.4	10.4	20.0	14.4	49.0	0.1	16.4	5.6	4.6	6.8
Serbia	576	2.8	3.3	0.5	4.9	11.6	21.0	54.9	0.9	11.5	6.1	6.8	5.4
Singapore	651	16.8	23.0	0.5	14.1	19.3	15.1	11.0	0.2	54.4	39.8	41.9	37.7
Slovenia	562	1.5	9.9	0.9	15.6	24.5	14.1	33.2	0.3	27.9	11.4	13.9	8.9
Sweden	725	1.4	2.2	0.6	6.3	18.1	10.8	60.1	0.4	10.5	3.6	3.1	4.2
Syrian Arab Republic	663	0.9	1.0	0.9	6.6	19.6	36.7	33.6	0.6	9.4	1.9	2.8	1.0
Thailand	777	2.9	3.1	0.3	5.7	28.4	31.2	27.6	0.7	12.1	6.0	6.9	5.2
Tunisia	586	1.7	1.6	0.5	2.9	10.7	44.3	37.6	0.8	6.6	3.3	3.5	3.0
Turkey	647	2.5	7.2	0.9	4.9	39.7	14.2	30.6	0.0	15.5	9.7	8.1	11.2
Ukraine	623	3.0	1.8	0.1	4.4	37.0	8.2	45.5	0.0	9.3	4.8	5.9	3.7
United States	1050	2.7	4.0	0.8	15.5	37.0	16.1	23.3	0.5	23.0	6.7	7.0	6.5
International Avg.	639	3.8	4.3	0.6	7.0	24.9	21.6	37.1	0.7	15.7	8.1	8.3	7.9
Basque Country, Spain	330	1.6	7.8	0.9	13.1	23.5	8.4	44.3	0.4	23.4	9.4	8.0	10.5
British Columbia, Canada	610	4.4	3.7	0.3	9.4	19.4	20.6	41.8	0.4	17.8	8.1	6.2	10.0
Dubai, UAE	445	2.6	3.8	1.2	8.0	19.0	28.3	35.9	1.3	15.6	6.5	4.7	8.3
Massachusetts, US	273	5.1	11.7	1.6	23.7	27.4	9.9	20.7	0.0	42.1	16.8	15.8	17.9
Minnesota, US	252	2.6	6.6	0.9	20.1	35.2	16.1	18.0	0.5	30.2	9.2	9.5	8.8
Ontario, Canada	484	8.6	5.6	1.2	10.9	24.2	15.9	33.2	0.4	26.3	14.2	14.1	14.4
Quebec, Canada	576	5.3	5.6	1.4	11.2	26.2	10.7	39.0	0.6	23.5	10.9	9.6	12.4

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Geometry / Reasoning (M032692 - M13_06)
 Label: Sum of interior angles of pentagon
 Type: CR Key: -

COUNTRY	N	20	10	79	OMIT TED	NOT REACH ED	V1	V2	1.GIRL %Right	2.BOY %Right
Algeria	775	4.0	4.8	71.6	17.9	1.8	8.8	4.0	4.4	3.5
Armenia	665	20.4	37.0	21.5	17.5	3.7	57.4	20.4	24.4	16.7
Australia	575	10.1	3.8	50.1	35.8	0.2	13.9	10.1	7.5	12.7
Bahrain	603	19.0	4.5	58.7	17.0	0.8	23.5	19.0	24.5	13.7
Bosnia and Herzegovina	598	8.3	15.9	45.0	30.4	0.4	24.2	8.3	11.0	6.2
Botswana	607	3.9	1.4	77.7	15.9	1.2	5.2	3.9	5.9	1.6
Bulgaria	561	15.4	11.7	32.8	37.3	2.6	27.2	15.4	19.0	11.2
Chinese Taipei	579	71.0	2.8	16.4	9.8	0.0	73.8	71.0	67.0	74.6
Colombia	699	1.4	1.5	61.6	32.6	2.9	2.9	1.4	0.7	2.0
Cyprus	630	15.1	0.8	37.2	46.2	0.6	16.0	15.1	15.1	15.2
Czech Republic	700	15.3	5.3	41.6	37.7	0.1	20.6	15.3	14.9	15.7
Egypt	944	9.2	13.2	65.9	11.1	0.7	22.4	9.2	11.2	7.2
El Salvador	586	0.2	0.7	56.4	39.9	2.8	0.9	0.2	0.0	0.5
England	574	22.3	6.3	48.6	22.7	0.1	28.6	22.3	22.9	21.7
Georgia	597	11.6	4.5	31.5	51.8	0.7	16.1	11.6	13.3	10.0
Ghana	755	3.2	2.6	58.8	34.0	1.4	5.8	3.2	2.1	4.0
Hong Kong SAR	495	48.3	13.3	29.9	7.8	0.7	61.6	48.3	51.3	45.2
Hungary	593	17.8	8.5	47.1	26.6	0.0	26.3	17.8	21.4	13.8
Indonesia	583	1.2	0.8	84.7	12.4	0.8	2.0	1.2	1.6	0.9
Iran, Islamic Rep. of	562	14.3	5.7	61.0	18.5	0.5	20.0	14.3	13.7	14.8
Israel	460	15.3	6.4	31.9	44.7	1.6	21.8	15.3	16.8	13.7
Italy	622	13.0	3.7	46.1	36.6	0.6	16.8	13.0	16.3	9.9
Japan	628	67.3	10.5	15.8	6.5	0.0	77.7	67.3	68.3	66.1
Jordan	746	21.6	8.6	56.6	12.5	0.6	30.3	21.6	28.5	14.9
Korea, Rep. of	608	60.0	8.3	24.9	6.9	0.0	68.2	60.0	59.5	60.5
Kuwait	574	4.0	1.6	72.9	17.9	3.6	5.6	4.0	3.5	4.6
Lebanon	539	8.8	10.2	52.5	27.4	1.1	19.0	8.8	7.5	10.4
Lithuania	569	12.0	2.1	42.5	43.0	0.3	14.1	12.0	12.7	11.3
Malaysia	641	9.4	0.8	63.9	25.4	0.5	10.2	9.4	11.7	6.7
Malta	665	15.9	3.4	54.0	26.0	0.7	19.3	15.9	14.5	17.4
Morocco	348	10.2	4.0	61.5	22.8	1.5	14.2	10.2	8.9	11.5
Norway	642	6.1	3.2	57.7	31.7	1.3	9.3	6.1	6.2	5.9
Oman	673	18.8	9.5	65.1	6.2	0.3	28.3	18.8	24.6	12.5
Palestinian Nat'l Auth.	619	11.2	7.3	73.3	8.2	0.0	18.5	11.2	17.9	4.3
Qatar	1028	0.7	0.9	80.5	17.3	0.7	1.5	0.7	0.6	0.8
Romania	597	10.8	4.6	59.5	24.8	0.3	15.4	10.8	12.7	9.1
Russian Federation	636	11.8	16.6	44.7	26.5	0.5	28.3	11.8	11.8	11.8
Saudi Arabia	604	3.4	3.7	76.1	16.8	0.1	7.1	3.4	3.5	3.3
Scotland	581	10.9	2.1	48.0	38.7	0.3	13.0	10.9	12.0	9.7
Serbia	576	23.4	5.7	42.3	27.6	0.9	29.2	23.4	23.7	23.1
Singapore	651	48.7	5.1	37.7	8.2	0.3	53.8	48.7	50.3	47.1
Slovenia	562	29.3	5.1	49.9	15.4	0.3	34.5	29.3	31.3	27.3
Sweden	725	14.3	1.5	39.0	44.6	0.6	15.8	14.3	16.3	12.3
Syrian Arab Republic	663	9.3	4.8	69.5	15.7	0.6	14.1	9.3	10.3	8.2
Thailand	777	9.4	8.1	48.4	33.2	0.9	17.4	9.4	11.5	7.3
Tunisia	587	15.3	10.6	56.1	16.6	1.3	26.0	15.3	16.5	14.1
Turkey	647	20.8	6.4	52.6	20.2	0.0	27.2	20.8	19.0	22.5
Ukraine	623	7.3	7.0	48.2	37.3	0.2	14.3	7.3	6.5	8.0
United States	1050	8.9	4.0	66.9	19.6	0.6	12.9	8.9	8.3	9.6
International Avg.	639	16.5	6.3	51.8	24.5	0.8	22.9	16.5	17.6	15.4
Basque Country, Spain	330	8.5	2.6	50.8	37.6	0.4	11.2	8.5	9.5	7.8
British Columbia, Canada	610	7.9	2.6	55.2	33.9	0.4	10.4	7.9	8.2	7.6
Dubai, UAE	445	17.1	4.0	47.0	30.6	1.3	21.1	17.1	16.9	17.3
Massachusetts, US	273	29.8	11.2	46.5	12.5	0.0	40.9	29.8	30.2	29.3
Minnesota, US	252	14.2	7.5	66.6	11.2	0.5	21.7	14.2	14.6	13.8
Ontario, Canada	484	13.2	4.3	56.0	26.1	0.4	17.5	13.2	8.6	17.8
Quebec, Canada	576	19.0	10.0	48.8	21.4	0.8	29.0	19.0	19.1	18.9

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Number / Knowing (M032626 - M13_07)
 Label: 36 as a product of prime factors
 Type: MC Key: D

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	778	11.4	65.0	5.9	4.8	11.4	11.0	1.9	12.0	10.7
Armenia	665	61.1	25.9	3.2	3.3	61.1	2.8	3.7	64.0	58.5
Australia	575	37.1	37.3	12.0	11.1	37.1	2.3	0.3	33.0	41.4
Bahrain	603	47.4	33.2	8.7	8.8	47.4	1.1	0.8	60.4	34.8
Bosnia and Herzegovina	598	42.7	43.3	4.0	3.4	42.7	6.2	0.4	51.6	35.5
Botswana	607	48.3	27.9	10.2	11.4	48.3	0.9	1.4	50.8	45.5
Bulgaria	561	60.6	27.4	4.1	4.4	60.6	0.8	2.6	61.7	59.4
Chinese Taipei	579	82.6	11.0	2.2	4.0	82.6	0.0	0.2	82.7	82.5
Colombia	699	31.6	43.5	8.9	11.8	31.6	1.1	3.1	29.2	34.1
Cyprus	630	36.7	53.0	4.0	4.7	36.7	0.9	0.6	40.7	32.6
Czech Republic	700	73.3	17.6	2.1	5.6	73.3	1.3	0.1	74.2	72.3
Egypt	933	43.4	38.1	6.2	11.0	43.4	0.7	0.6	48.7	37.9
El Salvador	586	27.3	53.1	7.2	7.9	27.3	1.6	2.8	26.7	27.9
England	574	44.8	38.1	7.0	8.2	44.8	1.8	0.1	47.4	42.0
Georgia	597	41.2	43.5	6.1	7.5	41.2	1.0	0.7	40.4	42.0
Ghana	755	47.7	32.6	7.9	8.6	47.7	1.3	1.8	48.2	47.4
Hong Kong SAR	495	80.1	11.1	1.9	5.7	80.1	0.6	0.7	80.3	79.8
Hungary	593	63.5	25.7	2.0	6.7	63.5	2.0	0.0	70.8	55.4
Indonesia	585	42.9	44.0	5.0	7.1	42.9	0.1	0.8	49.3	36.8
Iran, Islamic Rep. of	562	37.0	48.2	6.2	6.9	37.0	1.3	0.5	38.6	35.5
Israel	460	45.5	38.2	6.2	6.0	45.5	2.3	1.8	49.2	41.4
Italy	618	63.3	25.3	4.5	4.5	63.3	1.7	0.8	65.8	60.8
Japan	628	34.9	40.0	8.6	13.5	34.9	2.9	0.0	34.0	35.9
Jordan	746	64.9	22.6	5.3	5.4	64.9	0.7	1.1	67.1	62.8
Korea, Rep. of	608	89.0	4.7	2.4	3.8	89.0	0.0	0.0	90.3	87.8
Kuwait	574	37.9	30.7	14.5	10.7	37.9	2.6	3.6	40.8	34.5
Lebanon	526	54.8	35.3	2.7	4.4	54.8	1.6	1.1	58.7	49.9
Lithuania	565	44.0	47.5	5.2	2.3	44.0	0.6	0.3	48.2	39.5
Malaysia	641	40.7	41.6	8.7	7.7	40.7	0.7	0.5	44.8	36.1
Malta	660	46.9	35.0	9.0	6.4	46.9	2.1	0.7	46.8	47.0
Morocco	309	17.2	69.0	5.3	5.2	17.2	1.8	1.5	16.7	17.7
Norway	642	40.6	29.5	11.5	13.1	40.6	3.9	1.3	44.3	37.1
Oman	673	34.4	47.3	9.3	7.4	34.4	1.2	0.3	38.1	30.4
Palestinian Nat'l Auth.	619	48.2	33.9	6.8	10.0	48.2	1.1	0.0	54.2	41.9
Qatar	1028	26.4	47.0	12.1	11.6	26.4	2.1	0.8	31.5	21.2
Romania	597	47.6	41.0	6.4	3.3	47.6	1.3	0.3	48.3	47.0
Russian Federation	636	56.2	35.2	3.9	2.8	56.2	1.5	0.5	61.9	49.6
Saudi Arabia	600	22.6	54.6	11.0	10.2	22.6	1.5	0.1	27.2	18.4
Scotland	581	37.8	42.2	7.5	9.4	37.8	2.9	0.3	39.1	36.2
Serbia	557	55.9	35.1	4.6	2.8	55.9	0.8	0.7	63.0	49.3
Singapore	651	73.0	17.9	3.9	4.6	73.0	0.2	0.3	77.1	68.9
Slovenia	562	45.6	37.8	6.8	6.5	45.6	3.0	0.3	42.2	49.1
Sweden	725	28.8	42.9	7.8	15.8	28.8	4.0	0.6	28.6	29.1
Syrian Arab Republic	663	25.2	60.6	5.7	5.9	25.2	1.8	0.8	24.9	25.6
Thailand	777	65.5	20.9	6.2	5.9	65.5	0.5	1.0	74.6	56.7
Tunisia	587	47.1	32.9	5.2	7.9	47.1	5.6	1.3	44.6	49.8
Turkey	647	52.3	30.3	6.4	10.5	52.3	0.5	0.0	55.0	49.8
Ukraine	623	45.2	44.4	4.3	4.1	45.2	1.7	0.2	46.6	44.0
United States	1050	68.2	20.8	4.3	5.1	68.2	0.9	0.7	70.9	65.3
International Avg.	637	47.4	36.4	6.3	7.1	47.4	1.8	0.9	49.9	44.8
Basque Country, Spain	330	55.3	33.9	4.2	3.2	55.3	3.0	0.4	54.3	56.1
British Columbia, Canada	610	59.0	29.2	5.3	3.8	59.0	2.1	0.7	59.4	58.7
Dubai, UAE	445	53.3	28.6	6.8	6.6	53.3	3.4	1.3	54.6	52.0
Massachusetts, US	273	76.9	13.3	4.1	4.7	76.9	0.9	0.0	75.7	78.3
Minnesota, US	252	67.7	20.5	4.2	7.1	67.7	0.0	0.5	74.4	60.4
Ontario, Canada	484	60.9	25.7	6.3	5.6	60.9	1.2	0.4	58.1	63.7
Quebec, Canada	576	43.4	45.0	4.6	3.8	43.4	2.4	0.8	44.1	42.7

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Number / Applying (M032595 - M13_08)

Label: The percentage of caps for sale

Type: MC Key: C

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	776	28.3	37.9	17.6	28.3	9.3	5.0	1.9	26.0	30.7
Armenia	663	48.1	19.0	12.8	48.1	7.2	8.4	4.4	46.8	49.4
Australia	575	56.8	30.5	7.1	56.8	4.2	1.1	0.3	56.1	57.6
Bahrain	603	23.8	50.4	12.4	23.8	10.4	2.2	0.8	21.4	26.1
Bosnia and Herzegovina	598	29.8	39.0	16.1	29.8	8.3	6.4	0.4	26.5	32.4
Botswana	607	19.5	45.9	19.5	19.5	11.4	2.3	1.4	19.2	19.9
Bulgaria	561	42.9	24.7	17.9	42.9	6.0	5.9	2.6	40.7	45.4
Chinese Taipei	579	79.8	10.4	6.0	79.8	3.7	0.0	0.2	75.4	83.7
Colombia	699	28.4	42.3	14.9	28.4	8.6	2.6	3.1	21.8	35.3
Cyprus	630	53.8	26.6	10.0	53.8	7.9	1.1	0.6	49.7	58.1
Czech Republic	700	57.1	22.7	11.0	57.1	5.1	4.1	0.1	52.7	61.4
Egypt	938	28.1	36.9	21.5	28.1	11.5	1.4	0.6	23.9	32.4
El Salvador	586	15.6	40.7	25.5	15.6	13.0	2.4	2.8	12.3	19.5
England	574	67.3	21.4	7.2	67.3	3.1	0.8	0.1	61.2	73.7
Georgia	597	22.8	25.3	33.6	22.8	12.1	5.5	0.7	22.2	23.5
Ghana	756	15.5	38.3	34.0	15.5	9.0	1.2	2.1	11.5	18.4
Hong Kong SAR	495	83.6	6.6	5.9	83.6	3.2	0.0	0.7	85.3	82.0
Hungary	593	64.1	22.5	8.1	64.1	3.3	2.0	0.0	64.2	64.0
Indonesia	585	33.8	34.9	15.8	33.8	12.6	2.0	0.8	34.8	32.8
Iran, Islamic Rep. of	562	27.8	35.3	21.3	27.8	12.4	2.6	0.6	18.9	35.5
Israel	460	56.6	19.8	12.0	56.6	6.4	3.4	1.8	58.2	54.9
Italy	616	49.3	26.8	13.3	49.3	7.1	2.7	0.8	48.9	49.7
Japan	628	80.5	12.2	4.8	80.5	2.2	0.4	0.0	77.3	83.8
Jordan	.	.	.	.	.	.	.	.	.	.
Korea, Rep. of	608	85.3	7.0	5.1	85.3	2.5	0.0	0.0	84.6	86.1
Kuwait	574	23.9	45.2	13.6	23.9	10.4	3.3	3.6	18.9	29.7
Lebanon	536	28.3	30.9	26.3	28.3	8.6	4.7	1.2	27.4	29.4
Lithuania	567	72.1	15.2	6.2	72.1	4.9	1.2	0.3	73.4	70.7
Malaysia	641	55.4	20.4	13.3	55.4	8.0	2.4	0.5	60.9	49.2
Malta	664	50.8	28.1	12.8	50.8	6.1	1.4	0.8	46.2	55.5
Morocco	347	27.4	37.9	18.3	27.4	8.0	6.8	1.5	25.2	29.7
Norway	642	50.2	31.5	9.0	50.2	5.0	3.0	1.3	44.7	55.6
Oman	673	24.2	37.6	23.0	24.2	12.0	2.6	0.7	21.3	27.3
Palestinian Nat'l Auth.	.	.	.	.	.	.	.	.	.	.
Qatar	1028	22.2	33.3	30.1	22.2	13.2	0.4	0.8	20.0	24.4
Romania	596	36.3	28.7	25.6	36.3	6.9	2.0	0.4	38.3	34.5
Russian Federation	636	41.8	35.7	9.2	41.8	7.7	4.9	0.6	37.4	47.0
Saudi Arabia	603	16.7	51.4	21.1	16.7	10.0	0.8	0.1	16.2	17.2
Scotland	581	52.9	31.2	8.6	52.9	5.5	1.3	0.5	52.8	53.0
Serbia	575	54.7	24.2	7.6	54.7	8.5	4.0	1.0	51.5	57.7
Singapore	651	86.1	6.9	4.8	86.1	0.9	0.8	0.5	88.8	83.4
Slovenia	562	67.2	21.4	7.1	67.2	2.4	1.4	0.4	64.5	70.0
Sweden	725	61.8	24.5	7.1	61.8	3.4	2.5	0.7	59.7	63.8
Syrian Arab Republic	663	27.5	44.6	19.3	27.5	5.9	1.7	1.1	24.2	31.0
Thailand	777	45.2	34.1	9.6	45.2	9.1	1.0	1.0	48.5	42.1
Tunisia	587	24.3	42.4	20.1	24.3	7.5	4.3	1.4	23.0	25.6
Turkey	647	39.3	35.4	12.0	39.3	12.5	0.9	0.0	32.5	45.7
Ukraine	623	53.2	31.2	7.0	53.2	7.7	0.7	0.2	52.9	53.6
United States	1050	58.3	28.3	6.4	58.3	5.3	0.8	0.9	51.5	65.7
International Avg.	637	45.1	29.7	14.3	45.1	7.4	2.5	1.0	43.0	47.2
Basque Country, Spain	330	55.8	26.9	8.1	55.8	6.4	2.4	0.4	54.1	57.2
British Columbia, Canada	610	63.7	22.3	7.8	63.7	4.2	1.0	1.0	57.6	69.9
Dubai, UAE	445	35.2	37.1	16.3	35.2	7.7	2.4	1.3	32.0	38.5
Massachusetts, US	273	75.8	16.2	3.4	75.8	3.0	1.5	0.0	73.3	78.7
Minnesota, US	252	67.9	20.3	7.6	67.9	3.3	0.5	0.5	65.0	71.0
Ontario, Canada	484	62.2	26.5	5.7	62.2	4.1	1.0	0.4	52.3	72.1
Quebec, Canada	576	64.0	21.2	8.4	64.0	2.2	3.3	0.9	63.3	64.8

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Algebra / Knowing (M032673 - M13_09)
 Label: If t is a number between 6 and 9
 Type: MC Key: C

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	778	23.8	23.4	31.7	23.8	10.8	7.7	2.6	21.1	26.6
Armenia	662	43.3	11.2	18.7	43.3	11.3	8.2	7.3	43.4	43.2
Australia	575	63.3	11.5	21.7	63.3	2.0	1.2	0.3	60.8	65.9
Bahrain	603	33.9	24.3	30.7	33.9	7.7	2.3	1.2	36.2	31.6
Bosnia and Herzegovina	598	36.6	27.7	18.5	36.6	9.7	5.5	2.1	32.7	39.6
Botswana	607	24.7	22.0	31.7	24.7	16.4	3.4	1.9	23.8	25.7
Bulgaria	561	49.0	14.3	20.7	49.0	8.8	3.0	4.1	50.7	47.0
Chinese Taipei	579	80.0	7.5	9.6	80.0	2.9	0.0	0.2	74.7	84.6
Colombia	699	25.7	30.0	23.6	25.7	12.1	3.9	4.7	20.6	30.9
Cyprus	630	44.8	23.1	21.9	44.8	8.1	1.3	0.8	44.6	45.1
Czech Republic	700	45.8	8.8	22.5	45.8	16.8	5.4	0.6	43.7	47.9
Egypt	940	35.6	22.8	29.2	35.6	9.7	1.4	1.2	40.1	31.0
El Salvador	586	19.9	36.0	25.2	19.9	11.9	3.3	3.6	20.4	19.4
England	574	71.6	3.8	20.0	71.6	3.4	1.1	0.1	67.8	75.6
Georgia	597	37.4	12.0	24.9	37.4	18.5	5.4	1.9	32.1	42.3
Ghana	756	22.6	30.8	21.6	22.6	19.3	3.2	2.5	16.5	27.2
Hong Kong SAR	495	76.3	4.7	15.0	76.3	3.4	0.0	0.7	75.8	76.9
Hungary	593	62.5	10.2	19.4	62.5	4.8	2.9	0.2	63.2	61.6
Indonesia	585	25.1	31.9	18.2	25.1	20.4	3.0	1.4	24.1	26.1
Iran, Islamic Rep. of	562	27.5	23.1	28.7	27.5	17.5	1.8	1.4	24.8	29.9
Israel	460	47.6	16.3	21.9	47.6	6.7	4.5	3.0	49.0	46.0
Italy	620	51.0	14.3	21.2	51.0	9.5	2.8	1.2	48.2	53.7
Japan	628	76.8	5.4	12.8	76.8	4.3	0.5	0.2	72.8	81.1
Jordan	746	43.8	20.8	25.1	43.8	6.7	2.0	1.6	42.7	44.7
Korea, Rep. of	608	85.9	4.1	8.0	85.9	1.7	0.3	0.0	87.0	84.9
Kuwait	574	36.7	20.7	25.2	36.7	9.4	3.8	4.2	33.4	40.5
Lebanon	532	38.6	19.8	26.4	38.6	10.4	3.5	1.3	37.0	40.6
Lithuania	569	49.0	19.2	19.4	49.0	9.4	2.4	0.5	47.3	50.9
Malaysia	641	43.3	17.6	23.0	43.3	12.1	2.2	1.8	44.7	41.8
Malta	664	38.1	26.3	25.6	38.1	4.9	3.7	1.4	35.0	41.3
Morocco	343	32.2	20.1	26.1	32.2	13.1	6.0	2.5	30.0	34.3
Norway	642	44.2	17.9	28.4	44.2	2.5	4.9	2.1	38.7	49.5
Oman	673	30.1	24.5	32.2	30.1	8.5	3.4	1.3	26.7	33.8
Palestinian Nat'l Auth.	619	32.7	24.9	29.2	32.7	12.6	0.4	0.2	35.6	29.7
Qatar	1028	31.4	21.2	29.7	31.4	15.5	1.5	0.8	27.1	35.7
Romania	597	48.1	20.0	23.2	48.1	6.0	1.6	1.0	48.1	48.1
Russian Federation	636	52.1	11.2	18.8	52.1	14.4	2.5	1.0	51.3	53.0
Saudi Arabia	604	21.7	30.0	31.3	21.7	14.7	2.0	0.3	21.7	21.6
Scotland	581	58.5	11.2	24.5	58.5	3.6	1.5	0.8	59.0	57.9
Serbia	575	46.2	23.7	13.9	46.2	8.4	6.0	1.7	44.5	47.7
Singapore	651	76.6	5.4	13.8	76.6	3.0	0.7	0.5	74.3	79.0
Slovenia	562	58.7	11.4	20.8	58.7	7.5	0.8	0.7	56.9	60.6
Sweden	725	49.1	13.9	27.2	49.1	3.4	5.0	1.4	49.4	48.9
Syrian Arab Republic	663	31.0	24.4	26.3	31.0	14.1	2.0	2.3	28.8	33.5
Thailand	777	42.4	25.2	23.8	42.4	6.8	0.7	1.1	41.3	43.4
Tunisia	587	32.3	23.4	31.1	32.3	5.8	4.4	2.9	26.3	38.7
Turkey	647	41.9	20.2	24.9	41.9	9.7	3.2	0.2	37.3	46.2
Ukraine	623	45.1	15.9	18.6	45.1	18.3	1.9	0.3	45.1	45.0
United States	1050	64.6	11.8	18.9	64.6	3.0	0.6	1.1	62.1	67.2
International Avg.	639	44.9	18.4	23.0	44.9	9.4	2.8	1.6	43.2	46.5
Basque Country, Spain	330	59.2	14.4	16.4	59.2	6.4	2.6	1.0	60.7	57.9
British Columbia, Canada	610	61.4	11.1	20.5	61.4	3.8	2.2	1.0	58.4	64.4
Dubai, UAE	445	45.2	18.1	26.1	45.2	7.9	1.5	1.3	41.8	48.5
Massachusetts, US	273	74.9	8.0	14.3	74.9	1.3	0.8	0.7	72.5	77.6
Minnesota, US	252	70.0	10.2	14.7	70.0	3.8	0.3	1.0	62.8	77.9
Ontario, Canada	484	64.8	7.2	23.7	64.8	2.2	1.4	0.7	59.2	70.4
Quebec, Canada	576	68.0	7.3	18.6	68.0	3.0	2.0	1.2	66.0	70.1

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Number / Applying (M042182 - M14_01)
 Label: How far did john jump
 Type: MC Key: C

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	778	66.9	9.1	8.2	66.9	9.3	6.4	0.0	64.3	69.6
Armenia	692	56.7	12.9	9.3	56.7	13.5	7.6	0.0	60.1	53.7
Australia	583	71.7	10.7	10.9	71.7	5.6	1.0	0.1	67.0	76.3
Bahrain	604	46.6	14.6	14.5	46.6	18.6	5.7	0.0	48.2	45.0
Bosnia and Herzegovina	594	44.4	12.9	15.7	44.4	16.0	10.8	0.2	42.0	46.8
Botswana	608	36.0	22.8	18.1	36.0	18.0	5.0	0.0	35.6	36.5
Bulgaria	563	58.8	17.3	11.6	58.8	8.1	4.3	0.0	59.4	58.1
Chinese Taipei	573	83.3	5.6	5.4	83.3	5.6	0.1	0.0	80.9	85.6
Colombia	696	28.4	25.8	23.5	28.4	17.7	3.5	1.2	26.2	30.6
Cyprus	626	63.7	8.2	14.8	63.7	10.9	2.3	0.0	59.3	67.9
Czech Republic	689	69.1	12.2	9.3	69.1	6.7	2.7	0.0	65.6	72.4
Egypt	939	55.0	14.3	11.3	55.0	16.8	2.5	0.0	52.4	57.7
El Salvador	580	34.6	24.2	18.6	34.6	17.8	4.6	0.1	35.0	34.3
England	572	75.0	13.9	6.5	75.0	4.1	0.6	0.0	69.1	82.3
Georgia	599	40.9	18.5	19.6	40.9	16.2	4.8	0.0	43.5	38.3
Ghana	753	26.9	36.3	15.9	26.9	15.8	5.2	0.0	25.6	27.8
Hong Kong SAR	499	86.9	3.3	4.7	86.9	4.5	0.4	0.2	88.9	85.1
Hungary	598	74.4	6.3	10.1	74.4	8.3	1.0	0.0	69.2	79.9
Indonesia	603	49.7	17.8	16.4	49.7	14.0	1.8	0.2	50.7	48.9
Iran, Islamic Rep. of	570	47.6	18.1	17.3	47.6	14.8	2.2	0.0	45.2	49.6
Israel	458	52.3	9.9	11.0	52.3	21.3	4.9	0.5	53.1	51.4
Italy	626	77.8	6.6	6.3	77.8	7.9	1.4	0.0	76.9	78.7
Japan	621	80.0	6.8	7.6	80.0	5.3	0.3	0.0	75.8	84.1
Jordan	746	48.9	13.9	13.7	48.9	18.0	5.5	0.0	54.6	43.6
Korea, Rep. of	607	87.6	3.0	4.3	87.6	4.6	0.5	0.0	85.5	89.7
Kuwait	583	40.9	15.8	16.6	40.9	20.6	6.2	0.0	38.9	43.2
Lebanon	530	52.2	12.4	10.7	52.2	18.8	5.9	0.0	50.0	55.3
Lithuania	563	64.9	11.8	9.8	64.9	10.5	3.0	0.0	59.6	70.0
Malaysia	642	77.0	7.0	5.1	77.0	9.9	1.0	0.0	80.2	73.5
Malta	669	76.1	6.6	8.5	76.1	7.8	1.0	0.0	74.9	77.4
Morocco	448	39.7	18.9	17.2	39.7	17.0	7.1	0.0	34.5	45.8
Norway	644	74.7	9.4	11.3	74.7	3.7	0.8	0.1	72.8	76.7
Oman	677	43.5	13.5	14.5	43.5	21.4	7.0	0.1	45.8	41.0
Palestinian Nat'l Auth.	623	43.6	15.4	15.6	43.6	22.7	2.6	0.0	49.5	37.5
Qatar	1033	39.9	17.5	21.0	39.9	19.1	2.4	0.2	39.5	40.2
Romania	600	60.4	13.6	14.8	60.4	8.6	2.3	0.1	59.9	60.9
Russian Federation	640	67.4	9.2	12.1	67.4	9.9	1.4	0.0	65.3	69.5
Saudi Arabia	603	36.4	15.1	18.2	36.4	26.6	3.8	0.0	33.9	38.6
Scotland	579	74.1	9.0	10.5	74.1	5.7	0.7	0.0	75.6	72.4
Serbia	576	55.2	12.7	14.1	55.2	11.2	6.8	0.0	54.1	56.3
Singapore	650	93.2	1.9	2.1	93.2	2.0	0.7	0.0	93.7	92.8
Slovenia	565	70.4	9.3	11.7	70.4	7.0	1.5	0.1	63.7	76.2
Sweden	735	78.0	7.2	10.4	78.0	3.7	0.8	0.0	76.5	79.4
Syrian Arab Republic	677	44.1	15.6	13.9	44.1	23.1	3.3	0.0	42.9	45.4
Thailand	773	56.3	15.4	16.9	56.3	9.2	2.2	0.0	55.6	56.8
Tunisia	580	43.3	26.6	13.9	43.3	11.4	4.5	0.5	41.0	45.5
Turkey	641	51.1	13.7	16.0	51.1	15.8	3.4	0.0	49.1	52.7
Ukraine	620	53.3	16.6	16.3	53.3	10.9	2.9	0.0	48.7	57.9
United States	1061	63.2	10.1	9.6	63.2	15.6	1.3	0.2	57.9	69.3
International Avg.	643	58.4	13.3	12.6	58.4	12.5	3.2	0.1	57.1	59.8
Basque Country, Spain	333	74.4	7.4	7.5	74.4	8.9	1.6	0.2	66.9	80.5
British Columbia, Canada	607	69.6	9.1	11.4	69.6	7.4	2.3	0.2	61.2	78.7
Dubai, UAE	465	57.3	14.5	10.3	57.3	12.7	5.3	0.0	56.8	57.8
Massachusetts, US	274	71.3	8.1	6.1	71.3	12.6	1.9	0.0	65.4	77.2
Minnesota, US	250	69.1	5.6	10.9	69.1	13.8	0.6	0.0	65.1	73.4
Ontario, Canada	475	64.6	9.5	12.8	64.6	9.4	3.7	0.0	53.9	76.1
Quebec, Canada	587	73.1	7.8	10.5	73.1	7.2	1.3	0.0	66.8	78.7

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Number / Knowing (M042081 - M14_02)
 Label: Write as decimal number
 Type: CR Key: -

COUNTRY	N	10	70	71	72	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	776	17.0	15.6	1.2	0.0	50.1	16.1	0.1	17.0	17.1	16.8
Armenia	687	72.0	1.1	0.2	0.1	23.3	3.3	0.0	72.0	70.9	73.0
Australia	583	33.7	1.7	2.5	0.4	49.6	12.1	0.1	33.7	31.3	35.9
Bahrain	604	9.2	1.8	0.2	0.0	71.0	17.9	0.0	9.2	11.7	6.7
Bosnia and Herzegovina	594	25.4	0.9	0.2	0.0	49.3	24.0	0.2	25.4	31.5	18.9
Botswana	608	6.7	0.7	0.4	0.0	88.0	4.0	0.2	6.7	6.3	7.2
Bulgaria	563	31.5	0.7	0.1	0.5	44.8	22.4	0.0	31.5	34.7	28.0
Chinese Taipei	573	61.3	1.8	0.0	0.0	29.5	7.4	0.0	61.3	57.6	64.8
Colombia	695	1.5	0.2	0.1	0.0	64.5	32.2	1.5	1.5	1.5	1.6
Cyprus	626	12.2	2.7	0.0	0.2	55.7	28.9	0.3	12.2	10.7	13.6
Czech Republic	689	35.8	0.5	1.1	0.0	46.9	15.7	0.0	35.8	41.7	30.4
Egypt	944	10.7	0.9	0.3	0.2	76.0	11.9	0.0	10.7	13.0	8.4
El Salvador	580	4.0	0.5	0.2	0.0	58.2	36.8	0.3	4.0	4.0	3.9
England	572	35.5	0.8	2.2	0.0	48.3	13.2	0.0	35.5	33.9	37.4
Georgia	599	20.9	1.3	0.7	0.0	42.0	34.8	0.3	20.9	22.9	18.9
Ghana	753	3.1	0.5	0.2	0.0	75.4	20.8	0.0	3.1	3.0	3.1
Hong Kong SAR	499	55.5	12.1	0.3	0.2	25.2	6.5	0.2	55.5	58.1	53.1
Hungary	598	32.6	4.0	0.1	0.3	39.9	23.1	0.0	32.6	34.9	30.2
Indonesia	602	13.8	1.7	1.6	0.0	65.8	16.9	0.2	13.8	13.4	14.2
Iran, Islamic Rep. of	570	9.4	0.4	0.0	0.0	73.8	16.4	0.0	9.4	9.4	9.3
Israel	459	19.3	2.4	1.1	0.0	51.6	24.9	0.5	19.3	18.2	20.7
Italy	626	25.5	2.0	0.0	0.0	38.2	34.3	0.0	25.5	27.6	23.4
Japan	621	51.2	1.8	0.0	0.0	33.7	13.3	0.0	51.2	49.3	53.2
Jordan	746	15.8	2.5	0.2	0.0	69.9	11.5	0.0	15.8	17.7	14.1
Korea, Rep. of	607	61.0	1.1	0.2	0.2	34.3	3.3	0.0	61.0	63.5	58.5
Kuwait	583	1.9	0.6	0.3	0.1	74.4	22.6	0.0	1.9	1.6	2.4
Lebanon	533	50.5	3.0	0.0	0.3	37.2	9.1	0.0	50.5	50.6	50.3
Lithuania	563	24.4	2.8	0.4	0.0	49.7	22.6	0.0	24.4	29.8	19.3
Malaysia	642	44.9	5.1	0.8	0.1	43.2	6.0	0.0	44.9	50.3	39.0
Malta	666	43.6	2.1	0.0	0.0	45.6	8.7	0.0	43.6	44.0	43.1
Morocco	450	11.0	0.1	0.0	0.0	63.0	25.9	0.0	11.0	9.5	12.6
Norway	644	26.1	0.5	0.6	0.2	57.3	15.2	0.1	26.1	27.5	24.5
Oman	677	16.6	0.9	0.0	0.0	73.1	9.2	0.1	16.6	19.2	13.9
Palestinian Nat'l Auth.	623	14.6	0.1	0.0	0.0	80.1	5.1	0.0	14.6	20.6	8.3
Qatar	1033	10.4	5.3	0.1	0.0	71.7	12.3	0.2	10.4	11.3	9.4
Romania	600	21.0	0.3	0.2	0.0	55.8	22.5	0.1	21.0	22.4	19.8
Russian Federation	640	35.0	1.9	0.5	0.2	46.3	16.0	0.0	35.0	37.7	32.3
Saudi Arabia	604	1.6	0.1	0.0	0.0	79.5	18.9	0.0	1.6	2.0	1.2
Scotland	579	22.5	0.9	2.0	0.0	53.2	21.3	0.0	22.5	18.7	26.9
Serbia	577	20.3	1.2	0.0	0.0	56.5	22.0	0.0	20.3	26.2	14.6
Singapore	650	69.6	2.8	0.5	0.2	25.3	1.6	0.0	69.6	71.1	68.1
Slovenia	565	26.0	1.2	0.7	0.0	62.9	8.9	0.1	26.0	26.1	25.9
Sweden	735	32.8	0.4	0.2	0.2	51.5	14.6	0.2	32.8	35.5	30.3
Syrian Arab Republic	677	9.2	1.4	0.0	0.1	75.7	13.6	0.0	9.2	8.2	10.3
Thailand	773	19.2	0.2	0.6	0.2	65.3	14.5	0.0	19.2	20.6	18.0
Tunisia	580	13.7	2.0	0.2	0.2	71.4	12.0	0.5	13.7	13.3	14.2
Turkey	641	18.9	0.8	0.0	0.1	62.1	18.1	0.0	18.9	18.3	19.4
Ukraine	620	23.1	2.1	0.2	0.1	53.6	20.9	0.0	23.1	25.7	20.5
United States	1061	38.1	0.4	0.8	0.5	54.7	5.3	0.2	38.1	36.3	40.2
International Avg.	643	25.7	2.0	0.4	0.1	55.4	16.3	0.1	25.7	26.7	24.7
Basque Country, Spain	333	34.7	0.0	0.0	0.0	47.2	17.9	0.2	34.7	34.7	34.8
British Columbia, Canada	607	38.5	1.2	0.4	0.1	48.4	10.9	0.6	38.5	37.9	39.2
Dubai, UAE	465	35.3	0.5	0.4	0.5	50.8	12.5	0.0	35.3	27.8	42.6
Massachusetts, US	274	50.0	3.0	0.4	0.0	41.3	5.3	0.0	50.0	48.4	51.7
Minnesota, US	250	53.3	1.7	0.4	0.0	40.5	4.1	0.0	53.3	51.3	55.4
Ontario, Canada	475	34.9	0.5	0.2	0.0	55.5	8.8	0.0	34.9	32.5	37.6
Quebec, Canada	587	41.3	3.0	0.3	0.0	42.8	12.6	0.0	41.3	43.7	39.1

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Algebra / Knowing (M042049 - M14_03)
 Label: What is value of 3x+3y
 Type: MC Key: C

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	778	50.1	13.1	15.1	50.1	8.1	13.5	0.1	47.5	52.8
Armenia	692	72.6	6.5	10.2	72.6	4.6	6.1	0.0	75.7	70.0
Australia	583	66.8	7.3	17.8	66.8	6.5	1.6	0.1	67.2	66.4
Bahrain	604	50.8	18.6	19.0	50.8	7.5	4.1	0.1	55.5	46.1
Bosnia and Herzegovina	594	65.6	9.0	10.5	65.6	5.5	9.0	0.2	72.2	58.6
Botswana	608	51.2	17.3	14.6	51.2	14.1	2.5	0.2	52.4	49.9
Bulgaria	563	60.2	14.3	13.0	60.2	7.6	4.8	0.0	60.8	59.5
Chinese Taipei	573	90.6	1.9	3.4	90.6	3.7	0.4	0.0	89.9	91.1
Colombia	696	40.3	16.0	26.0	40.3	11.8	4.0	1.8	37.0	43.6
Cyprus	626	62.7	4.3	8.6	62.7	22.1	2.1	0.3	67.5	58.1
Czech Republic	689	66.4	5.0	10.8	66.4	11.4	6.4	0.0	68.8	64.1
Egypt	941	59.2	8.7	17.1	59.2	12.7	2.1	0.1	65.8	52.6
El Salvador	580	34.4	26.2	25.5	34.4	9.2	4.4	0.3	32.7	36.3
England	572	76.7	3.1	6.7	76.7	11.5	2.0	0.0	77.5	75.7
Georgia	599	55.3	11.5	13.6	55.3	15.1	3.8	0.7	54.2	56.5
Ghana	753	38.7	22.6	21.9	38.7	12.0	4.8	0.0	38.7	38.7
Hong Kong SAR	499	83.2	1.1	4.1	83.2	10.4	1.0	0.2	84.0	82.4
Hungary	598	77.1	4.2	6.0	77.1	10.1	2.7	0.0	77.2	76.9
Indonesia	603	52.1	10.2	19.4	52.1	13.5	4.5	0.2	52.3	51.9
Iran, Islamic Rep. of	570	54.6	10.5	18.0	54.6	14.7	2.1	0.0	53.7	55.3
Israel	459	64.8	6.7	11.4	64.8	6.4	10.2	0.5	66.8	62.4
Italy	625	62.1	7.7	14.0	62.1	11.2	4.9	0.0	63.1	61.1
Japan	621	80.8	1.8	8.4	80.8	6.2	2.5	0.3	78.2	83.4
Jordan	746	59.3	12.3	15.7	59.3	9.2	3.5	0.0	62.7	56.1
Korea, Rep. of	607	87.2	2.0	4.6	87.2	5.5	0.6	0.0	88.9	85.6
Kuwait	583	50.8	13.9	19.4	50.8	9.7	6.0	0.2	54.6	46.4
Lebanon	532	66.8	10.8	7.7	66.8	11.0	3.8	0.0	64.3	70.2
Lithuania	563	62.9	12.0	10.6	62.9	10.2	4.3	0.0	65.8	60.2
Malaysia	642	61.1	11.8	10.9	61.1	12.1	4.1	0.0	63.4	58.6
Malta	666	63.4	8.4	13.9	63.4	12.4	1.9	0.0	62.4	64.3
Morocco	448	57.0	16.8	12.7	57.0	8.3	5.3	0.0	58.6	55.1
Norway	644	62.1	9.0	16.2	62.1	9.3	3.3	0.1	61.2	63.0
Oman	677	42.2	25.8	18.7	42.2	10.4	2.8	0.1	44.4	39.6
Palestinian Nat'l Auth.	623	51.0	15.0	22.2	51.0	10.3	1.4	0.0	56.9	44.7
Qatar	1033	35.3	26.5	28.4	35.3	7.3	2.3	0.2	37.3	33.3
Romania	600	65.7	12.9	11.1	65.7	7.4	2.7	0.1	70.1	62.0
Russian Federation	640	74.0	5.4	5.4	74.0	12.0	3.1	0.0	73.8	74.2
Saudi Arabia	603	39.9	30.3	19.0	39.9	7.6	3.2	0.0	39.6	40.2
Scotland	579	72.1	6.6	10.4	72.1	7.4	3.4	0.0	71.3	73.1
Serbia	578	67.9	5.1	9.0	67.9	10.1	8.0	0.0	71.6	64.3
Singapore	650	83.4	2.4	4.0	83.4	9.5	0.7	0.0	83.7	83.1
Slovenia	565	74.3	3.3	11.1	74.3	8.3	2.9	0.1	76.5	72.4
Sweden	735	74.4	2.5	9.2	74.4	11.2	2.4	0.2	72.1	76.6
Syrian Arab Republic	677	54.8	16.4	18.9	54.8	7.5	2.5	0.0	51.9	58.1
Thailand	773	55.6	10.9	17.1	55.6	13.8	2.6	0.0	56.3	54.9
Tunisia	580	51.6	14.0	21.7	51.6	8.9	3.3	0.5	46.3	57.0
Turkey	641	58.4	9.3	21.1	58.4	8.9	2.3	0.0	59.3	57.7
Ukraine	620	63.4	8.6	12.5	63.4	9.9	5.6	0.0	66.3	60.6
United States	1061	66.4	12.0	8.4	66.4	10.8	2.2	0.2	65.2	67.9
International Avg.	643	61.6	10.9	13.8	61.6	9.9	3.7	0.1	62.5	60.7
Basque Country, Spain	333	68.1	6.4	10.7	68.1	11.0	3.7	0.2	63.0	72.2
British Columbia, Canada	607	69.9	7.9	8.7	69.9	9.8	3.2	0.6	70.9	68.8
Dubai, UAE	465	62.7	10.1	10.7	62.7	12.8	3.6	0.0	65.0	60.5
Massachusetts, US	274	77.7	7.1	6.0	77.7	7.0	2.2	0.0	77.9	77.5
Minnesota, US	250	75.5	5.5	5.5	75.5	12.3	1.1	0.0	73.9	77.4
Ontario, Canada	475	69.4	11.8	7.9	69.4	6.1	4.5	0.3	67.2	71.8
Quebec, Canada	587	75.0	7.1	7.1	75.0	7.6	3.2	0.0	73.4	76.5

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Number / Knowing (M042052 - M14_04)
 Label: Ratio equivalent to 1:4
 Type: MC Key: A

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	777	39.9	39.9	3.3	3.6	48.0	5.0	0.2	38.0	41.8
Armenia	691	70.1	70.1	2.1	3.3	22.7	1.9	0.0	75.7	65.3
Australia	583	55.2	55.2	6.1	2.7	33.8	2.2	0.1	51.5	58.7
Bahrain	604	39.5	39.5	3.2	5.5	49.5	2.2	0.1	43.7	35.5
Bosnia and Herzegovina	594	57.1	57.1	3.6	1.4	36.8	0.9	0.2	56.4	57.8
Botswana	608	25.0	25.0	3.7	11.3	57.6	2.2	0.2	25.1	24.9
Bulgaria	563	51.3	51.3	6.6	2.4	38.4	1.3	0.0	51.8	50.8
Chinese Taipei	573	90.7	90.7	1.9	0.8	6.6	0.0	0.0	88.8	92.5
Colombia	696	19.8	19.8	3.6	8.7	62.9	3.0	2.0	16.9	22.7
Cyprus	626	60.4	60.4	4.8	2.7	31.2	0.5	0.3	60.7	60.2
Czech Republic	688	69.0	69.0	1.6	1.8	26.2	1.5	0.0	71.6	66.6
Egypt	938	48.5	48.5	7.5	10.5	31.9	1.5	0.1	54.2	42.9
El Salvador	580	10.9	10.9	3.5	10.1	72.1	3.0	0.3	9.7	12.1
England	572	73.5	73.5	3.7	2.7	19.3	0.9	0.0	68.8	79.3
Georgia	599	46.7	46.7	5.2	4.1	42.6	0.8	0.7	44.7	48.7
Ghana	753	35.9	35.9	4.5	8.9	49.0	1.7	0.0	33.3	37.8
Hong Kong SAR	499	90.7	90.7	1.8	0.5	6.8	0.0	0.2	93.7	88.0
Hungary	598	67.7	67.7	4.3	2.6	25.0	0.4	0.0	67.7	67.7
Indonesia	602	52.4	52.4	5.0	4.4	35.8	2.3	0.2	51.9	52.8
Iran, Islamic Rep. of	570	41.6	41.6	13.0	9.2	35.4	0.8	0.0	37.2	45.4
Israel	459	62.7	62.7	4.3	4.3	24.5	3.5	0.8	61.5	64.1
Italy	626	60.0	60.0	2.0	1.4	33.6	2.9	0.0	54.7	65.5
Japan	620	86.9	86.9	2.1	0.5	10.0	0.1	0.3	86.9	86.9
Jordan	746	45.2	45.2	3.2	7.8	40.5	3.3	0.0	51.0	39.7
Korea, Rep. of	607	91.3	91.3	0.8	0.5	7.2	0.2	0.0	92.0	90.6
Kuwait	583	35.1	35.1	7.5	8.0	45.0	4.3	0.2	33.2	37.3
Lebanon	529	48.1	48.1	2.9	2.9	43.4	2.7	0.0	45.9	50.9
Lithuania	563	59.6	59.6	2.0	0.3	37.6	0.5	0.0	56.0	63.0
Malaysia	642	75.5	75.5	3.1	2.5	18.1	0.8	0.0	81.7	68.7
Malta	668	58.1	58.1	4.7	5.5	30.5	1.2	0.0	57.5	58.6
Morocco	447	40.0	40.0	4.6	7.6	43.6	4.2	0.0	39.6	40.4
Norway	644	60.8	60.8	3.2	2.5	31.6	1.8	0.1	59.7	61.9
Oman	677	32.8	32.8	5.7	12.1	47.3	2.0	0.1	35.4	29.9
Palestinian Nat'l Auth.	623	44.8	44.8	4.3	11.1	38.8	0.8	0.2	51.1	38.1
Qatar	1034	22.9	22.9	10.3	16.2	48.9	1.3	0.4	26.2	19.5
Romania	600	46.8	46.8	3.9	3.8	43.8	1.6	0.1	45.6	47.8
Russian Federation	640	70.7	70.7	1.4	1.2	25.8	1.0	0.0	72.1	69.2
Saudi Arabia	604	26.5	26.5	5.2	7.2	59.4	1.7	0.0	28.3	24.8
Scotland	579	54.7	54.7	3.8	2.5	37.4	1.6	0.0	54.5	55.0
Serbia	575	58.1	58.1	5.3	1.7	32.5	2.3	0.0	61.2	55.1
Singapore	650	91.8	91.8	1.1	1.5	5.6	0.0	0.0	93.4	90.3
Slovenia	565	62.1	62.1	4.9	2.3	30.3	0.3	0.1	59.4	64.4
Sweden	735	44.6	44.6	22.5	3.8	26.8	2.0	0.2	38.8	50.2
Syrian Arab Republic	677	49.3	49.3	2.4	7.1	40.0	1.3	0.0	44.7	54.4
Thailand	773	52.7	52.7	7.8	5.9	32.8	0.7	0.0	57.2	48.6
Tunisia	580	36.7	36.7	3.4	4.6	52.1	2.7	0.5	30.3	43.2
Turkey	641	46.9	46.9	4.7	5.9	41.1	1.4	0.0	48.1	45.8
Ukraine	620	54.6	54.6	2.8	1.8	40.0	0.8	0.0	54.9	54.4
United States	1061	61.7	61.7	3.7	2.6	30.7	1.1	0.2	60.1	63.6
International Avg.	642	53.6	53.6	4.5	4.7	35.3	1.6	0.2	53.5	53.7
Basque Country, Spain	333	77.0	77.0	3.2	1.0	17.0	1.7	0.2	75.0	78.6
British Columbia, Canada	607	81.6	81.6	0.9	1.2	13.9	1.9	0.6	80.0	83.3
Dubai, UAE	465	49.4	49.4	4.0	3.2	40.5	2.1	0.8	47.9	50.8
Massachusetts, US	274	79.7	79.7	2.8	0.5	15.5	1.1	0.4	76.5	83.0
Minnesota, US	250	68.1	68.1	2.3	3.9	25.1	0.6	0.0	68.6	67.7
Ontario, Canada	475	70.0	70.0	4.2	1.5	22.4	1.6	0.3	67.6	72.5
Quebec, Canada	587	80.4	80.4	2.0	1.7	14.5	1.3	0.0	83.2	77.9

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Algebra / Knowing (M042076 - M14_05)
 Label: Expression for one-fifth of x
 Type: MC Key: D

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	777	29.5	15.4	39.4	8.7	29.5	6.5	0.5	30.1	28.9
Armenia	691	77.9	4.0	11.6	4.0	77.9	2.6	0.0	83.7	72.9
Australia	583	45.6	20.3	18.7	14.4	45.6	0.9	0.1	42.6	48.5
Bahrain	604	27.3	15.6	49.7	5.9	27.3	1.4	0.1	31.9	22.8
Bosnia and Herzegovina	594	62.6	8.8	24.6	2.2	62.6	1.6	0.2	69.4	55.4
Botswana	608	27.0	36.5	19.7	14.2	27.0	2.1	0.6	27.5	26.4
Bulgaria	563	56.7	14.0	11.1	15.7	56.7	2.4	0.1	58.6	54.5
Chinese Taipei	573	81.3	6.3	10.1	2.0	81.3	0.4	0.0	81.3	81.2
Colombia	696	25.6	34.5	24.9	11.4	25.6	1.7	2.0	24.8	26.3
Cyprus	626	44.1	29.3	13.7	10.8	44.1	1.8	0.3	44.7	43.6
Czech Republic	688	40.6	23.4	13.6	18.0	40.6	4.5	0.0	43.8	37.7
Egypt	940	32.2	20.8	34.3	11.1	32.2	1.5	0.1	32.1	32.3
El Salvador	580	24.0	30.8	31.6	10.9	24.0	2.5	0.3	22.6	25.5
England	572	52.3	16.9	15.3	14.2	52.3	1.3	0.0	49.2	56.1
Georgia	599	72.5	6.1	10.4	8.6	72.5	1.5	0.7	78.5	66.4
Ghana	753	25.8	38.6	20.1	13.6	25.8	2.0	0.0	21.8	28.9
Hong Kong SAR	499	77.8	6.5	9.3	5.5	77.8	0.6	0.2	82.4	73.8
Hungary	598	67.8	17.8	5.8	6.9	67.8	1.6	0.0	70.3	65.1
Indonesia	602	43.8	28.8	17.2	8.0	43.8	1.8	0.4	48.3	39.6
Iran, Islamic Rep. of	570	23.7	44.0	11.9	20.1	23.7	0.2	0.0	24.8	22.8
Israel	459	57.3	9.7	26.4	3.7	57.3	2.1	0.8	56.9	57.8
Italy	625	48.6	29.1	6.5	11.6	48.6	4.2	0.0	49.1	48.0
Japan	621	71.4	7.8	14.7	4.9	71.4	0.8	0.3	69.2	73.5
Jordan	746	33.3	17.2	41.6	5.8	33.3	2.0	0.1	35.4	31.3
Korea, Rep. of	607	78.8	12.4	4.3	4.2	78.8	0.4	0.0	80.2	77.3
Kuwait	583	23.0	21.9	41.6	10.6	23.0	2.8	0.2	22.3	23.7
Lebanon	529	48.3	13.6	30.1	5.9	48.3	2.1	0.0	47.1	49.8
Lithuania	563	44.3	36.5	7.9	8.7	44.3	2.6	0.0	45.6	43.1
Malaysia	642	44.3	20.5	11.2	21.0	44.3	3.1	0.0	50.3	37.7
Malta	668	57.2	19.2	14.6	8.3	57.2	0.7	0.0	57.1	57.2
Morocco	445	46.7	10.9	34.1	5.9	46.7	2.5	0.0	49.6	43.4
Norway	644	30.4	17.5	37.4	10.0	30.4	4.5	0.1	29.8	31.1
Oman	677	19.6	18.2	53.9	6.7	19.6	1.5	0.1	17.3	22.2
Palestinian Nat'l Auth.	623	25.2	15.0	49.2	9.4	25.2	1.0	0.2	26.4	24.0
Qatar	1034	20.3	20.6	47.3	10.1	20.3	1.3	0.4	22.3	18.3
Romania	600	48.8	20.5	21.8	7.1	48.8	1.6	0.1	51.8	46.3
Russian Federation	640	54.5	25.6	7.3	8.7	54.5	3.9	0.0	58.0	51.0
Saudi Arabia	604	14.6	14.9	63.0	6.4	14.6	0.9	0.2	12.7	16.4
Scotland	579	48.9	18.5	19.6	11.5	48.9	1.5	0.0	48.9	48.9
Serbia	572	71.5	4.3	18.8	3.3	71.5	2.1	0.0	73.1	69.9
Singapore	650	78.0	9.7	6.6	5.6	78.0	0.2	0.0	83.0	73.3
Slovenia	565	55.1	6.7	33.1	3.9	55.1	1.1	0.1	52.7	57.1
Sweden	735	53.7	8.4	24.7	10.2	53.7	2.8	0.2	51.6	55.7
Syrian Arab Republic	677	27.2	21.3	46.1	3.8	27.2	1.6	0.0	24.3	30.5
Thailand	773	40.9	29.1	16.1	11.7	40.9	2.2	0.0	46.3	36.1
Tunisia	580	42.6	30.2	16.2	7.2	42.6	3.2	0.6	38.5	46.7
Turkey	641	45.2	27.3	15.4	10.9	45.2	1.2	0.0	47.4	43.4
Ukraine	620	28.7	53.6	10.0	6.3	28.7	1.4	0.0	28.9	28.5
United States	1061	45.3	19.7	12.1	21.2	45.3	1.5	0.2	42.7	48.4
International Avg.	642	45.7	20.0	23.0	9.2	45.7	1.9	0.2	46.7	44.9
Basque Country, Spain	333	52.8	18.3	21.9	5.4	52.8	1.4	0.2	52.1	53.4
British Columbia, Canada	607	45.9	21.4	15.8	13.8	45.9	2.4	0.6	45.4	46.5
Dubai, UAE	465	50.8	19.7	18.5	8.7	50.8	1.4	0.8	48.9	52.7
Massachusetts, US	274	50.2	15.0	16.5	15.8	50.2	2.2	0.4	49.9	50.4
Minnesota, US	250	48.4	16.6	17.6	16.4	48.4	1.0	0.0	48.8	48.1
Ontario, Canada	475	46.1	18.8	18.4	14.3	46.1	2.0	0.3	46.4	45.8
Quebec, Canada	587	60.1	12.4	16.8	9.5	60.1	1.2	0.0	62.2	58.2

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Number / Applying (M042302A - M14_06A)
 Label: Cost of phone for 1 year
 Type: CR Key: -

COUNTRY	N	20	10	11	79	OMIT TED	NOT REACH ED	V1	V2	1.GIRL %Right	2.BOY %Right
Algeria	776	2.2	9.6	0.0	64.8	22.6	0.8	11.8	2.2	1.4	3.0
Armenia	692	57.3	12.6	0.0	19.2	10.9	0.0	69.9	57.3	57.0	57.5
Australia	583	47.3	17.3	1.7	27.2	6.4	0.1	66.3	47.3	42.6	51.9
Bahrain	604	5.6	10.9	0.1	66.1	17.3	0.1	16.5	5.6	4.8	6.3
Bosnia and Herzegovina	594	15.9	13.1	0.7	34.1	36.0	0.2	29.7	15.9	14.3	17.6
Botswana	608	2.3	7.6	0.5	82.0	7.1	0.6	10.3	2.3	2.0	2.6
Bulgaria	563	20.9	14.2	1.4	25.1	38.3	0.1	36.5	20.9	22.0	19.7
Chinese Taipei	573	62.8	15.8	1.2	16.4	3.9	0.0	79.7	62.8	53.2	71.7
Colombia	696	11.2	10.5	1.0	58.5	16.7	2.1	22.7	11.2	8.0	14.6
Cyprus	626	19.1	14.7	2.4	40.9	22.5	0.4	36.2	19.1	16.8	21.3
Czech Republic	688	53.2	17.5	2.5	17.8	9.0	0.0	73.2	53.2	52.4	54.0
Egypt	944	4.5	7.7	0.2	72.2	15.3	0.1	12.3	4.5	2.8	6.2
El Salvador	580	4.8	20.9	0.4	54.9	18.4	0.7	26.1	4.8	3.2	6.6
England	572	47.5	15.9	1.7	28.2	6.6	0.0	65.2	47.5	45.5	50.0
Georgia	599	11.3	11.7	2.5	31.7	42.0	0.8	25.4	11.3	12.6	9.8
Ghana	753	0.6	1.8	0.1	66.2	31.1	0.2	2.6	0.6	1.1	0.3
Hong Kong SAR	499	56.2	18.4	1.5	18.6	5.0	0.2	76.1	56.2	55.5	57.0
Hungary	598	43.1	20.3	1.1	25.8	9.5	0.1	64.6	43.1	39.1	47.3
Indonesia	602	6.3	16.5	0.8	64.0	12.1	0.4	23.5	6.3	5.7	6.8
Iran, Islamic Rep. of	570	2.8	5.0	0.0	68.7	23.5	0.0	7.8	2.8	1.2	4.1
Israel	459	25.1	12.6	1.0	39.1	21.5	0.8	38.6	25.1	26.0	24.1
Italy	626	31.0	19.2	1.1	32.2	16.5	0.0	51.2	31.0	26.4	35.8
Japan	621	50.6	15.4	1.3	24.3	8.0	0.3	67.3	50.6	44.4	56.8
Jordan	746	7.7	9.0	0.6	71.9	10.6	0.1	17.3	7.7	5.1	10.1
Korea, Rep. of	607	53.3	13.9	2.7	27.9	2.2	0.0	69.9	53.3	46.8	59.6
Kuwait	583	2.0	7.9	0.7	71.4	17.7	0.3	10.6	2.0	1.0	3.1
Lebanon	533	8.3	11.1	0.6	43.4	36.7	0.0	20.0	8.3	6.6	10.7
Lithuania	563	44.1	28.2	1.3	15.8	10.5	0.0	73.7	44.1	40.7	47.5
Malaysia	642	19.7	25.1	0.5	46.0	8.7	0.0	45.3	19.7	21.3	17.8
Malta	668	29.4	23.0	1.0	36.2	10.3	0.0	53.5	29.4	23.2	35.8
Morocco	450	6.0	8.0	1.5	50.8	33.7	0.0	15.5	6.0	3.2	9.1
Norway	644	59.9	17.8	1.5	15.9	4.8	0.1	79.2	59.9	58.0	62.0
Oman	677	2.5	7.9	0.6	79.9	9.0	0.1	11.0	2.5	1.4	3.6
Palestinian Nat'l Auth.	622	4.2	6.8	0.7	79.9	8.2	0.2	11.7	4.2	5.2	3.2
Qatar	1034	2.8	3.4	0.1	72.9	20.3	0.4	6.3	2.8	2.5	3.1
Romania	600	22.8	16.7	1.2	40.3	18.9	0.1	40.7	22.8	15.4	29.1
Russian Federation	640	39.0	25.1	0.1	23.9	11.9	0.0	64.2	39.0	35.5	42.5
Saudi Arabia	604	0.9	5.5	0.6	80.1	12.7	0.2	7.0	0.9	0.8	1.1
Scotland	579	36.7	17.1	2.1	33.5	10.6	0.0	55.9	36.7	35.7	37.9
Serbia	578	27.4	13.6	1.2	26.0	31.8	0.0	42.2	27.4	25.5	29.3
Singapore	650	54.7	15.9	1.7	22.9	4.8	0.0	72.2	54.7	54.0	55.3
Slovenia	565	41.5	19.3	2.4	31.9	4.7	0.1	63.2	41.5	36.1	46.2
Sweden	735	66.8	11.8	1.8	10.3	9.2	0.2	80.3	66.8	65.8	67.8
Syrian Arab Republic	677	7.9	11.9	0.7	62.6	16.8	0.0	20.6	7.9	5.7	10.4
Thailand	773	17.7	16.0	1.9	54.6	9.6	0.1	35.6	17.7	19.2	16.3
Tunisia	581	7.4	12.7	0.8	62.3	15.8	0.9	20.9	7.4	6.4	8.4
Turkey	641	8.0	19.4	0.7	59.9	12.0	0.0	28.1	8.0	6.8	8.9
Ukraine	620	30.3	23.5	1.7	32.8	11.6	0.0	55.6	30.3	29.2	31.4
United States	1061	43.8	15.5	1.8	33.8	4.8	0.2	61.2	43.8	40.1	48.1
International Avg.	643	25.0	14.2	1.1	44.2	15.3	0.2	40.3	25.0	23.0	27.0
Basque Country, Spain	333	40.6	19.7	0.7	24.5	14.3	0.2	61.0	40.6	37.4	43.3
British Columbia, Canada	607	51.7	13.1	1.2	25.7	7.7	0.6	66.0	51.7	49.8	53.8
Dubai, UAE	465	25.5	17.5	0.8	39.7	15.5	1.0	43.8	25.5	23.9	27.1
Massachusetts, US	274	62.7	11.0	1.6	21.8	2.5	0.4	75.3	62.7	62.8	62.5
Minnesota, US	250	57.5	14.7	1.7	24.8	1.3	0.0	74.0	57.5	55.4	59.8
Ontario, Canada	475	58.1	13.0	1.0	23.5	4.1	0.3	72.1	58.1	52.4	64.3
Quebec, Canada	587	51.0	9.4	0.7	31.2	7.6	0.2	61.0	51.0	48.7	53.0

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Number / Applying (M042302B - M14_06B)
 Label: Pay after first year
 Type: CR Key: -

COUNTRY	N	20	21	10	11	12	79	OMIT TED	NOT REACH ED	V1	V2	1.GIRL %Right	2.BOY %Right
Algeria	775	1.9	0.3	2.0	0.5	0.0	57.5	36.6	1.3	4.6	2.1	1.8	2.4
Armenia	692	52.8	1.4	9.1	0.1	0.0	25.9	10.7	0.0	63.4	54.3	52.2	56.0
Australia	583	40.6	4.0	9.3	2.5	3.0	28.3	12.0	0.3	59.4	44.6	43.0	46.3
Bahrain	604	5.0	3.5	2.0	0.3	1.0	62.9	24.4	0.8	11.9	8.6	8.4	8.7
Bosnia and Herzegovina	594	12.7	2.5	6.1	1.8	0.2	29.7	46.9	0.2	23.2	15.1	15.0	15.3
Botswana	608	2.0	0.9	1.7	0.1	0.8	81.3	12.1	1.1	5.5	2.9	3.1	2.7
Bulgaria	563	15.7	2.4	5.6	2.6	0.7	28.3	44.0	0.6	27.1	18.1	17.6	18.7
Chinese Taipei	573	55.1	8.3	5.9	2.8	3.0	20.5	4.4	0.0	75.1	63.4	58.3	68.2
Colombia	696	6.8	3.9	3.7	0.6	1.2	51.4	28.7	3.7	16.2	10.8	8.1	13.5
Cyprus	626	14.4	0.0	8.0	2.8	0.7	42.3	31.4	0.4	25.9	14.4	12.8	15.9
Czech Republic	688	42.0	7.7	8.6	1.8	0.8	26.7	12.2	0.1	61.0	49.7	49.8	49.6
Egypt	944	1.8	0.3	1.6	0.0	0.2	76.1	19.6	0.2	4.0	2.1	1.2	3.0
El Salvador	580	3.6	3.1	3.6	0.3	1.5	58.1	28.7	1.3	11.9	6.6	6.9	6.3
England	572	37.5	7.4	6.2	4.2	1.8	30.2	12.6	0.0	57.2	44.9	43.4	46.9
Georgia	599	5.9	0.5	5.1	1.7	0.0	30.9	54.9	1.0	13.2	6.4	6.8	6.1
Ghana	753	0.2	0.1	0.0	0.0	0.0	55.2	44.1	0.4	0.3	0.3	0.2	0.4
Hong Kong SAR	499	48.5	1.4	10.7	2.3	0.6	28.6	7.7	0.2	63.4	49.9	51.4	48.6
Hungary	598	34.7	7.6	8.1	2.0	2.1	30.1	15.3	0.1	54.5	42.4	41.4	43.4
Indonesia	603	4.5	1.7	2.4	0.8	0.4	68.5	21.1	0.6	9.7	6.1	7.3	5.0
Iran, Islamic Rep. of	570	3.0	5.4	2.3	0.5	1.2	57.5	29.9	0.2	12.5	8.4	4.8	11.5
Israel	459	20.7	0.7	7.0	1.9	0.1	38.1	30.5	1.0	30.4	21.4	22.8	19.7
Italy	626	28.3	0.0	11.7	1.5	0.0	32.7	25.7	0.1	41.5	28.3	25.1	31.7
Japan	621	51.2	1.5	10.0	5.5	2.1	19.6	9.8	0.3	70.2	52.7	47.7	57.7
Jordan	746	5.5	1.5	2.8	0.8	1.6	68.1	19.6	0.1	12.2	7.0	7.7	6.3
Korea, Rep. of	607	53.5	9.1	6.4	3.2	3.3	19.7	4.8	0.0	75.4	62.6	60.7	64.4
Kuwait	583	1.3	0.8	1.9	0.4	0.4	65.1	29.4	0.6	4.8	2.2	1.4	3.0
Lebanon	533	6.1	3.2	2.9	0.2	0.3	41.2	46.1	0.0	12.6	9.3	8.5	10.4
Lithuania	563	36.4	16.8	4.9	1.5	4.1	23.9	12.4	0.0	63.7	53.2	51.9	54.5
Malaysia	642	17.5	4.2	10.2	0.8	0.2	51.6	15.6	0.0	32.8	21.6	24.5	18.5
Malta	669	25.7	8.8	6.4	1.6	1.5	40.9	15.1	0.0	44.0	34.4	32.2	36.7
Morocco	450	3.7	0.3	2.7	0.9	0.0	41.0	50.3	1.1	7.6	4.1	3.4	4.8
Norway	644	43.2	4.9	8.9	4.5	1.5	26.5	10.3	0.1	63.0	48.1	53.1	42.7
Oman	677	1.8	1.1	1.4	0.2	0.7	81.6	12.5	0.8	5.2	2.8	2.8	2.8
Palestinian Nat'l Auth.	621	2.8	0.6	1.3	0.2	0.1	81.8	13.0	0.2	5.0	3.4	3.7	3.1
Qatar	1034	1.9	0.5	1.4	0.0	0.1	72.1	23.3	0.7	3.8	2.4	2.1	2.7
Romania	600	17.6	1.6	7.1	2.0	2.4	39.0	30.1	0.1	30.7	19.2	14.7	23.0
Russian Federation	640	30.5	8.2	7.7	1.1	1.2	34.3	17.0	0.0	48.7	38.7	39.0	38.3
Saudi Arabia	604	0.7	0.7	0.8	0.5	0.3	76.9	19.8	0.3	3.0	1.4	1.0	1.8
Scotland	579	29.9	8.3	5.7	2.1	2.4	33.6	17.9	0.1	48.4	38.2	38.6	37.7
Serbia	578	21.3	4.2	6.3	0.6	2.9	26.0	38.7	0.1	35.2	25.5	24.0	27.0
Singapore	650	49.0	7.7	6.0	3.6	2.3	25.0	6.2	0.0	68.7	56.8	57.7	55.8
Slovenia	565	32.2	5.7	9.9	3.1	1.3	39.2	8.3	0.4	52.1	37.9	37.5	38.2
Sweden	735	54.8	2.1	8.6	2.7	0.5	19.2	11.4	0.6	68.8	57.0	55.8	58.1
Syrian Arab Republic	677	6.0	1.8	4.0	0.7	0.7	59.5	27.2	0.1	13.2	7.8	5.3	10.6
Thailand	773	15.5	3.8	4.6	1.8	1.7	55.4	17.1	0.1	27.4	19.3	20.8	17.9
Tunisia	581	6.0	1.4	5.6	0.1	0.7	54.2	30.6	1.3	13.9	7.4	6.5	8.3
Turkey	641	9.2	5.0	3.0	0.6	4.0	58.1	20.0	0.2	21.8	14.2	11.8	16.2
Ukraine	620	20.3	9.8	8.0	2.5	2.4	38.7	18.4	0.0	43.0	30.1	30.6	29.5
United States	1061	35.0	6.7	6.8	3.3	2.1	38.0	7.6	0.4	54.0	41.8	39.0	44.9
International Avg.	643	20.7	3.7	5.4	1.5	1.2	44.7	22.2	0.4	32.7	24.5	23.7	25.2
Basque Country, Spain	333	32.7	7.7	6.1	3.7	1.1	29.4	19.0	0.2	51.4	40.5	38.3	42.3
British Columbia, Canada	607	43.2	5.4	8.6	4.5	1.5	24.6	11.7	0.6	63.2	48.7	50.5	46.7
Dubai, UAE	465	23.2	2.3	7.4	2.5	0.2	43.1	20.3	1.0	35.6	25.5	27.6	23.4
Massachusetts, US	274	54.3	3.2	3.9	4.4	0.7	28.5	4.2	0.7	66.5	57.5	63.2	51.8
Minnesota, US	250	47.9	6.4	6.7	4.7	1.0	31.6	1.8	0.0	66.6	54.3	58.0	50.2
Ontario, Canada	475	47.1	5.9	6.9	4.3	1.5	27.4	6.2	0.8	65.7	52.9	53.4	52.4
Quebec, Canada	587	44.5	9.9	3.1	2.1	2.5	25.7	12.0	0.3	62.0	54.4	54.9	53.9

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Number / Reasoning (M042302C - M14_06C)
 Label: Which plan is less expensive
 Type: CR Key: -

COUNTRY	N	20	10	11	70	79	OMIT TED	NOT REACH ED	V1	V2	1.GIRL %Right	2.BOY %Right
Algeria	775	0.9	5.9	0.2	14.4	43.6	33.1	1.8	7.0	0.9	1.6	0.2
Armenia	692	4.9	6.1	0.3	57.8	20.7	10.1	0.0	11.3	4.9	5.1	4.7
Australia	583	12.8	16.9	2.0	41.0	16.8	10.1	0.3	31.7	12.8	14.2	11.5
Bahrain	604	6.6	6.7	9.0	24.8	31.9	19.6	1.5	22.2	6.6	9.5	3.6
Bosnia and Herzegovina	594	5.3	3.7	0.2	24.1	25.7	40.7	0.2	9.2	5.3	5.5	5.0
Botswana	608	1.1	0.9	0.9	16.1	63.9	15.8	1.3	2.8	1.1	1.4	0.8
Bulgaria	563	11.1	1.8	2.6	23.7	20.1	40.1	0.6	15.5	11.1	13.3	8.6
Chinese Taipei	573	23.0	8.7	1.9	50.0	13.6	2.9	0.0	33.6	23.0	26.8	19.4
Colombia	696	7.0	4.1	3.3	25.0	38.0	18.4	4.2	14.4	7.0	4.9	9.1
Cyprus	626	11.1	9.0	6.6	29.2	22.0	21.7	0.4	26.7	11.1	11.8	10.4
Czech Republic	688	18.9	13.1	1.8	45.0	11.3	9.9	0.1	33.7	18.9	24.8	13.4
Egypt	944	1.1	1.5	14.9	21.6	39.9	20.8	0.2	17.5	1.1	1.5	0.6
El Salvador	580	2.4	5.3	6.0	21.6	37.8	25.2	1.7	13.7	2.4	2.6	2.2
England	572	13.2	14.3	0.9	43.7	19.6	8.4	0.0	28.4	13.2	14.1	12.1
Georgia	599	1.1	0.8	1.1	21.7	26.5	47.6	1.2	3.0	1.1	0.5	1.6
Ghana	753	0.5	0.2	1.0	5.5	43.9	48.4	0.5	1.7	0.5	0.5	0.5
Hong Kong SAR	499	18.6	11.5	4.2	43.6	14.8	7.0	0.2	34.3	18.6	25.8	12.1
Hungary	598	16.9	14.6	4.7	34.5	16.5	12.4	0.3	36.2	16.9	17.7	16.1
Indonesia	601	4.1	5.7	4.2	16.9	50.5	17.9	0.7	14.1	4.1	4.2	4.0
Iran, Islamic Rep. of	570	1.4	4.0	6.0	28.0	37.0	23.2	0.4	11.3	1.4	0.8	1.8
Israel	459	13.6	8.9	4.3	24.3	20.6	26.8	1.5	26.8	13.6	16.5	10.0
Italy	626	18.8	5.0	3.0	30.6	22.4	20.1	0.1	26.8	18.8	16.1	21.6
Japan	621	46.3	4.5	2.3	26.5	13.1	7.0	0.3	53.1	46.3	44.7	47.9
Jordan	746	4.0	5.0	6.8	21.1	48.6	14.4	0.1	15.8	4.0	3.3	4.7
Korea, Rep. of	607	39.2	9.2	2.9	30.1	15.1	3.4	0.0	51.4	39.2	41.2	37.3
Kuwait	583	2.9	3.5	7.0	17.8	45.3	22.9	0.6	13.4	2.9	2.8	3.1
Lebanon	533	6.4	3.0	1.5	13.1	27.2	48.8	0.0	10.9	6.4	7.2	5.3
Lithuania	563	9.6	16.5	0.8	49.5	13.6	10.0	0.0	26.9	9.6	12.2	7.1
Malaysia	642	11.5	6.1	4.2	30.3	32.6	15.1	0.2	21.8	11.5	14.3	8.4
Malta	669	16.1	8.8	2.5	35.2	23.6	13.8	0.0	27.4	16.1	17.0	15.2
Morocco	450	2.6	2.9	0.8	9.5	39.0	43.8	1.3	6.4	2.6	2.6	2.6
Norway	644	13.1	14.9	1.4	49.8	14.3	6.2	0.4	29.4	13.1	18.4	7.5
Oman	677	1.6	2.2	3.8	25.0	52.3	14.0	0.9	7.7	1.6	1.4	1.9
Palestinian Nat'l Auth.	621	2.3	3.3	4.3	18.4	60.2	11.3	0.2	9.8	2.3	3.1	1.4
Qatar	1034	0.5	0.7	1.0	17.6	55.5	24.1	0.7	2.1	0.5	0.7	0.2
Romania	600	3.4	4.4	0.8	27.8	36.7	26.7	0.1	8.6	3.4	3.4	3.4
Russian Federation	640	9.0	13.2	0.4	45.1	17.2	14.8	0.3	22.7	9.0	11.1	6.9
Saudi Arabia	604	1.8	2.5	1.5	19.9	58.3	15.2	0.7	5.9	1.8	3.5	0.3
Scotland	579	7.0	13.3	0.7	42.6	18.3	17.9	0.1	21.0	7.0	7.0	7.0
Serbia	578	6.8	8.7	1.4	30.2	19.7	33.1	0.1	16.9	6.8	9.6	4.1
Singapore	650	30.0	12.2	2.8	31.0	18.1	5.9	0.0	45.0	30.0	34.0	26.2
Slovenia	565	15.1	15.1	2.8	35.7	26.0	4.9	0.4	33.0	15.1	19.5	11.3
Sweden	735	27.2	4.1	0.8	48.8	9.5	9.0	0.7	32.0	27.2	33.4	21.3
Syrian Arab Republic	677	6.2	2.1	13.4	21.4	34.8	22.0	0.1	21.7	6.2	4.4	8.2
Thailand	773	13.0	6.4	4.5	24.3	31.5	19.8	0.6	23.9	13.0	15.1	11.1
Tunisia	581	2.0	3.7	3.0	22.0	43.8	23.9	1.6	8.7	2.0	1.4	2.5
Turkey	641	3.2	6.8	0.8	37.7	38.7	12.5	0.2	10.9	3.2	4.4	2.2
Ukraine	620	9.8	11.8	1.8	41.6	21.0	14.0	0.0	23.4	9.8	10.0	9.7
United States	1061	10.3	11.5	1.2	46.9	23.6	5.8	0.5	23.1	10.3	11.1	9.5
International Avg.	643	10.1	7.0	3.2	29.8	30.1	19.2	0.6	20.3	10.1	11.3	8.9
Basque Country, Spain	333	8.7	12.9	1.1	46.2	16.4	13.9	0.8	22.7	8.7	11.9	6.1
British Columbia, Canada	607	17.8	16.7	2.7	33.7	20.4	8.2	0.6	37.2	17.8	18.3	17.3
Dubai, UAE	465	14.0	4.9	5.9	25.5	30.3	18.5	1.0	24.8	14.0	15.6	12.4
Massachusetts, US	274	17.5	14.0	1.8	43.7	18.1	3.7	1.2	33.3	17.5	20.7	14.3
Minnesota, US	250	10.7	11.4	0.6	53.1	23.2	1.0	0.0	22.7	10.7	10.7	10.7
Ontario, Canada	475	25.3	17.2	2.4	32.9	15.6	5.5	1.1	44.9	25.3	28.4	22.0
Quebec, Canada	587	12.5	12.1	3.9	37.4	23.3	10.6	0.3	28.5	12.5	13.8	11.4

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Algebra / Knowing (M042100 - M14_07)
 Label: Pair of numbers that satisfy eqn
 Type: MC Key: C

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	778	33.8	8.8	35.4	33.8	9.2	11.0	1.8	34.9	32.6
Armenia	690	62.3	7.2	19.1	62.3	4.6	6.9	0.0	67.1	58.2
Australia	583	66.3	6.2	19.8	66.3	3.9	3.5	0.3	65.0	67.5
Bahrain	604	41.9	10.8	35.4	41.9	7.9	2.4	1.6	47.5	36.4
Bosnia and Herzegovina	594	63.1	6.4	19.5	63.1	5.2	5.7	0.2	68.3	57.5
Botswana	608	32.6	9.7	43.9	32.6	7.6	3.7	2.4	31.2	34.2
Bulgaria	563	55.3	9.7	25.0	55.3	4.6	4.8	0.6	58.9	51.2
Chinese Taipei	573	84.6	3.9	9.9	84.6	1.4	0.3	0.0	82.8	86.2
Colombia	696	35.2	9.1	39.7	35.2	7.9	3.1	5.0	36.3	34.1
Cyprus	626	59.0	5.7	25.1	59.0	7.2	2.5	0.4	57.4	60.5
Czech Republic	689	52.8	4.8	25.2	52.8	8.2	8.8	0.1	57.6	48.4
Egypt	938	46.5	9.1	35.4	46.5	7.4	1.4	0.2	49.6	43.4
El Salvador	580	29.7	5.1	47.9	29.7	9.3	5.9	2.1	30.0	29.3
England	572	68.5	3.1	23.4	68.5	2.8	2.0	0.1	67.9	69.1
Georgia	599	51.1	6.6	32.1	51.1	4.8	4.3	1.2	51.6	50.5
Ghana	753	31.3	10.4	45.9	31.3	6.5	5.4	0.5	32.3	30.5
Hong Kong SAR	499	75.2	6.2	13.4	75.2	3.5	1.4	0.2	75.0	75.4
Hungary	598	67.9	4.2	21.7	67.9	3.2	2.7	0.3	71.7	63.8
Indonesia	603	39.2	8.8	40.7	39.2	5.9	4.8	0.6	40.2	38.2
Iran, Islamic Rep. of	570	41.3	14.2	27.9	41.3	11.9	4.3	0.4	42.9	40.0
Israel	459	59.9	9.1	20.0	59.9	4.5	4.9	1.5	64.0	55.1
Italy	624	50.0	4.9	29.3	50.0	8.7	6.5	0.5	50.0	50.0
Japan	621	78.8	2.3	14.8	78.8	2.5	1.2	0.3	77.5	80.1
Jordan	746	58.8	10.6	23.5	58.8	5.9	1.1	0.1	62.7	55.2
Korea, Rep. of	607	88.2	1.5	8.1	88.2	1.8	0.5	0.0	90.3	86.2
Kuwait	583	40.3	10.7	32.3	40.3	9.2	6.9	0.6	39.3	41.4
Lebanon	524	50.0	5.3	38.6	50.0	3.5	2.6	0.0	51.1	48.6
Lithuania	562	65.5	3.6	24.3	65.5	4.0	2.6	0.0	66.7	64.3
Malaysia	642	55.8	7.5	29.1	55.8	4.7	2.6	0.3	61.4	49.7
Malta	668	54.1	5.8	31.6	54.1	5.2	3.0	0.5	50.4	57.8
Morocco	436	33.5	6.7	38.3	33.5	11.9	8.1	1.5	34.8	31.9
Norway	644	37.1	4.9	38.4	37.1	12.2	6.9	0.4	36.4	37.9
Oman	677	44.4	9.5	34.7	44.4	7.4	3.0	1.0	46.9	41.7
Palestinian Nat'l Auth.	623	45.2	12.2	31.6	45.2	9.4	1.3	0.2	52.1	37.9
Qatar	1034	36.1	12.6	35.1	36.1	14.1	1.4	0.7	36.1	36.1
Romania	600	59.2	9.1	22.6	59.2	7.4	1.6	0.1	59.4	59.0
Russian Federation	640	70.8	6.3	14.5	70.8	4.7	3.4	0.3	74.3	67.3
Saudi Arabia	602	31.0	12.4	43.1	31.0	9.1	3.4	0.9	30.2	31.8
Scotland	579	61.6	4.7	24.7	61.6	5.6	3.2	0.1	66.1	56.6
Serbia	573	70.9	7.9	14.9	70.9	2.4	3.8	0.1	73.3	68.7
Singapore	650	83.4	3.0	9.7	83.4	3.3	0.6	0.0	84.8	82.0
Slovenia	563	69.5	4.4	18.2	69.5	4.6	2.8	0.4	72.2	67.2
Sweden	735	49.3	5.4	30.4	49.3	6.1	7.9	0.8	47.2	51.4
Syrian Arab Republic	677	49.6	9.3	32.8	49.6	5.3	2.9	0.1	50.2	48.9
Thailand	772	47.2	7.5	34.6	47.2	8.4	1.5	0.7	51.0	43.7
Tunisia	581	36.6	9.5	31.9	36.6	12.8	7.6	1.6	32.9	40.3
Turkey	641	52.7	8.2	26.7	52.7	9.1	3.0	0.2	55.9	50.0
Ukraine	620	57.7	7.5	26.4	57.7	4.7	3.7	0.0	60.7	54.8
United States	1061	73.4	5.1	14.0	73.4	4.8	1.8	0.9	72.8	74.1
International Avg.	642	54.0	7.3	27.8	54.0	6.5	3.8	0.7	55.5	52.6
Basque Country, Spain	333	56.2	4.9	25.1	56.2	5.2	7.8	0.8	60.9	52.3
British Columbia, Canada	607	73.7	3.9	16.8	73.7	3.5	1.5	0.6	73.9	73.6
Dubai, UAE	465	64.4	8.3	17.8	64.4	5.5	3.0	1.0	62.4	66.4
Massachusetts, US	274	83.3	2.4	8.6	83.3	1.9	2.6	1.2	83.4	83.3
Minnesota, US	250	77.1	4.1	10.2	77.1	7.3	1.3	0.0	78.6	75.3
Ontario, Canada	475	73.1	4.8	14.0	73.1	5.1	2.0	1.1	70.0	76.4
Quebec, Canada	587	69.2	3.9	19.3	69.2	2.7	4.3	0.7	69.2	69.2

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Algebra / Applying (M042202 - M14_08)
 Label: Formula for K the cost of trip
 Type: MC Key: B

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	778	31.5	9.7	31.5	9.2	42.5	5.3	1.9	32.0	31.0
Armenia	691	53.7	6.2	53.7	6.2	24.6	9.2	0.0	58.5	49.5
Australia	583	54.9	7.7	54.9	5.4	29.0	2.3	0.7	52.6	57.2
Bahrain	604	33.8	10.9	33.8	12.3	39.3	2.0	1.6	40.9	26.8
Bosnia and Herzegovina	594	48.6	7.3	48.6	6.8	32.4	4.7	0.2	54.0	43.0
Botswana	608	36.0	7.5	36.0	7.3	44.2	2.1	3.0	36.5	35.4
Bulgaria	563	55.8	4.0	55.8	6.5	27.8	5.3	0.6	59.9	51.1
Chinese Taipei	572	80.9	2.5	80.9	1.6	14.6	0.4	0.0	79.4	82.2
Colombia	696	32.5	9.3	32.5	8.3	42.4	2.0	5.4	31.9	33.1
Cyprus	626	56.6	7.4	56.6	7.7	26.5	1.3	0.4	55.7	57.5
Czech Republic	689	58.2	3.6	58.2	3.8	31.9	2.4	0.1	59.5	57.0
Egypt	941	29.0	14.0	29.0	12.1	43.0	1.5	0.4	29.9	28.0
El Salvador	580	31.6	17.9	31.6	8.7	36.0	2.3	3.4	30.0	33.3
England	572	62.2	3.9	62.2	6.1	26.1	1.6	0.1	64.8	59.0
Georgia	599	43.3	4.1	43.3	9.2	37.0	5.0	1.3	47.0	39.6
Ghana	753	27.3	11.9	27.3	9.2	47.2	3.4	1.0	20.4	32.7
Hong Kong SAR	499	70.1	4.3	70.1	5.5	18.6	1.4	0.2	74.2	66.4
Hungary	598	53.4	3.3	53.4	4.6	37.0	1.3	0.3	54.7	52.1
Indonesia	603	27.5	4.3	27.5	4.3	61.4	1.8	0.6	28.1	27.1
Iran, Islamic Rep. of	570	38.5	5.7	38.5	8.6	44.3	2.0	0.7	40.9	36.6
Israel	459	50.4	5.9	50.4	7.7	29.9	4.3	1.8	49.7	51.4
Italy	626	52.1	4.0	52.1	5.2	35.4	2.4	0.9	56.9	47.1
Japan	621	73.4	2.1	73.4	4.1	19.0	0.9	0.4	74.8	72.0
Jordan	746	39.1	11.6	39.1	9.6	38.8	0.7	0.1	43.0	35.5
Korea, Rep. of	607	76.6	1.1	76.6	1.7	20.3	0.3	0.0	74.2	78.9
Kuwait	583	28.2	10.5	28.2	12.5	40.9	7.1	0.9	26.7	29.8
Lebanon	529	40.6	13.8	40.6	10.0	31.7	3.9	0.0	36.6	45.9
Lithuania	563	57.7	3.4	57.7	2.1	35.6	1.2	0.0	57.6	57.8
Malaysia	642	45.4	3.9	45.4	7.6	40.8	2.0	0.3	47.9	42.6
Malta	668	53.4	7.6	53.4	7.6	29.4	1.4	0.6	56.2	50.7
Morocco	448	29.9	7.3	29.9	10.2	46.7	4.3	1.7	26.1	34.5
Norway	644	44.5	4.7	44.5	8.7	37.0	4.4	0.6	46.0	42.9
Oman	677	31.0	13.6	31.0	7.6	44.9	1.6	1.2	30.6	31.4
Palestinian Nat'l Auth.	623	29.1	9.8	29.1	18.7	41.3	0.9	0.2	30.4	27.7
Qatar	1034	28.1	18.7	28.1	21.0	30.0	1.4	0.7	26.2	30.1
Romania	600	52.4	8.8	52.4	6.5	30.3	1.7	0.3	49.4	55.0
Russian Federation	640	64.4	2.9	64.4	2.5	28.6	1.4	0.3	63.3	65.5
Saudi Arabia	603	29.2	12.8	29.2	14.5	39.9	2.7	1.0	33.0	25.7
Scotland	579	48.9	4.9	48.9	7.9	35.0	3.0	0.3	48.7	49.2
Serbia	578	53.2	8.5	53.2	8.3	25.8	4.1	0.1	57.3	49.1
Singapore	650	79.8	2.8	79.8	4.6	11.8	1.0	0.0	83.6	76.1
Slovenia	563	50.0	4.1	50.0	6.1	38.9	0.5	0.4	51.7	48.7
Sweden	735	48.6	3.1	48.6	9.2	34.8	3.3	1.1	54.1	43.3
Syrian Arab Republic	677	33.1	9.9	33.1	17.3	37.5	2.1	0.1	33.5	32.6
Thailand	773	37.5	6.3	37.5	7.0	47.2	1.2	0.7	41.4	34.0
Tunisia	581	38.6	5.3	38.6	5.9	44.5	3.8	1.9	35.2	41.9
Turkey	641	40.5	9.7	40.5	7.0	40.6	2.0	0.2	41.7	39.6
Ukraine	620	58.8	3.9	58.8	4.2	31.8	1.3	0.1	60.0	57.6
United States	1061	70.4	4.4	70.4	6.6	15.7	1.8	1.1	73.7	66.7
International Avg.	643	47.2	7.2	47.2	7.9	34.5	2.5	0.8	48.2	46.2
Basque Country, Spain	333	54.6	7.2	54.6	5.6	29.7	2.0	0.8	61.0	49.4
British Columbia, Canada	607	61.4	4.4	61.4	8.0	24.1	1.4	0.7	66.8	55.5
Dubai, UAE	465	55.0	7.7	55.0	5.8	28.2	2.0	1.3	56.1	54.0
Massachusetts, US	274	72.9	3.9	72.9	4.5	14.4	2.4	1.9	77.8	67.9
Minnesota, US	250	71.4	3.6	71.4	3.8	20.1	1.0	0.0	74.1	68.6
Ontario, Canada	475	59.0	2.3	59.0	6.2	28.6	2.8	1.1	60.6	57.3
Quebec, Canada	587	67.5	3.0	67.5	3.5	23.7	1.5	0.9	72.4	63.0

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Algebra / Applying (M042240 - M14_09)
 Label: Value of x and y
 Type: MC Key: D

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	778	28.7	9.7	35.3	14.6	28.7	9.4	2.3	29.7	27.6
Armenia	692	67.1	6.7	14.5	7.0	67.1	4.6	0.0	73.7	61.4
Australia	583	54.9	7.5	24.0	9.7	54.9	3.1	0.7	54.4	55.4
Bahrain	604	43.7	13.8	24.8	13.3	43.7	2.6	1.8	52.3	35.3
Bosnia and Herzegovina	594	56.8	7.6	22.8	5.9	56.8	6.6	0.2	66.2	46.9
Botswana	608	22.3	12.7	47.5	11.4	22.3	3.0	3.1	23.5	20.9
Bulgaria	563	59.9	7.2	21.7	7.9	59.9	2.3	1.0	63.9	55.3
Chinese Taipei	573	80.0	9.3	7.0	3.3	80.0	0.3	0.0	79.2	80.8
Colombia	696	18.1	12.4	48.1	12.2	18.1	3.3	5.9	16.6	19.6
Cyprus	626	55.5	11.2	22.8	7.8	55.5	2.3	0.4	56.3	54.7
Czech Republic	689	44.7	8.5	30.9	9.9	44.7	5.9	0.1	53.4	36.7
Egypt	942	49.4	10.8	23.3	15.2	49.4	1.0	0.4	56.7	42.2
El Salvador	580	11.5	14.1	51.7	15.3	11.5	4.0	3.5	9.6	13.5
England	572	54.9	7.0	24.8	9.6	54.9	3.2	0.4	57.1	52.2
Georgia	599	46.0	7.3	31.5	9.3	46.0	4.6	1.3	47.0	44.9
Ghana	753	24.8	17.2	41.2	10.6	24.8	4.6	1.5	25.6	24.3
Hong Kong SAR	499	78.0	6.4	8.5	5.5	78.0	1.4	0.2	84.0	72.7
Hungary	598	54.0	6.5	23.5	11.3	54.0	4.4	0.3	58.2	49.6
Indonesia	603	37.7	13.2	38.3	8.3	37.7	1.9	0.6	39.8	35.8
Iran, Islamic Rep. of	570	29.9	11.4	34.5	19.1	29.9	3.9	1.2	31.9	28.2
Israel	459	58.1	9.2	16.4	8.0	58.1	6.2	2.0	64.3	50.7
Italy	625	48.7	8.9	22.4	12.1	48.7	6.7	1.2	50.6	46.7
Japan	620	68.1	8.0	15.2	7.6	68.1	0.7	0.4	68.0	68.1
Jordan	746	48.9	13.4	26.2	10.7	48.9	0.6	0.2	55.3	43.0
Korea, Rep. of	607	84.0	6.0	5.7	4.0	84.0	0.3	0.0	85.6	82.5
Kuwait	583	38.8	14.1	24.8	14.0	38.8	6.8	1.6	40.8	36.5
Lebanon	527	50.7	11.1	24.6	8.2	50.7	5.5	0.0	53.5	46.8
Lithuania	559	59.8	7.8	21.6	8.1	59.8	2.7	0.0	67.4	52.5
Malaysia	642	48.4	11.0	29.4	8.8	48.4	1.9	0.5	54.0	42.3
Malta	667	45.4	9.0	34.5	7.3	45.4	3.0	0.8	45.1	45.7
Morocco	443	28.0	11.2	43.7	10.4	28.0	4.6	2.0	27.5	28.6
Norway	644	30.8	7.7	39.7	13.8	30.8	7.4	0.6	32.5	29.1
Oman	677	37.4	13.0	31.3	15.5	37.4	1.4	1.4	41.5	32.9
Palestinian Nat'l Auth.	623	41.0	14.1	26.5	17.1	41.0	1.0	0.2	49.1	32.4
Qatar	1034	22.2	19.7	35.4	20.0	22.2	1.9	0.7	23.2	21.2
Romania	599	53.7	8.0	24.5	11.6	53.7	2.0	0.3	59.4	48.8
Russian Federation	640	69.9	6.9	18.1	3.8	69.9	0.9	0.3	73.3	66.5
Saudi Arabia	602	24.0	15.2	42.4	13.8	24.0	3.4	1.3	22.8	25.1
Scotland	579	47.3	7.4	29.8	11.6	47.3	3.6	0.3	47.1	47.7
Serbia	575	60.8	7.5	22.4	5.1	60.8	4.0	0.1	65.5	56.4
Singapore	650	73.0	9.3	12.1	4.5	73.0	1.2	0.0	79.1	67.2
Slovenia	563	62.8	7.1	18.8	8.9	62.8	2.0	0.4	62.9	62.8
Sweden	735	30.0	12.7	34.3	13.1	30.0	8.7	1.3	32.3	27.8
Syrian Arab Republic	677	44.1	12.0	27.1	13.5	44.1	3.1	0.3	45.0	43.0
Thailand	773	47.7	13.4	24.4	11.2	47.7	2.4	0.9	53.9	42.0
Tunisia	581	28.9	11.7	31.7	18.1	28.9	7.7	1.9	29.1	28.6
Turkey	641	50.6	11.4	25.8	8.9	50.6	3.2	0.2	55.3	46.7
Ukraine	620	56.5	8.9	24.3	9.2	56.5	1.0	0.1	61.5	51.6
United States	1061	65.2	7.4	15.8	8.0	65.2	2.4	1.3	65.6	64.7
International Avg.	642	47.8	10.3	27.0	10.5	47.8	3.4	0.9	50.8	44.8
Basque Country, Spain	333	40.4	11.6	26.8	14.5	40.4	5.8	0.8	42.8	38.5
British Columbia, Canada	607	53.6	12.2	20.4	10.4	53.6	2.7	0.7	56.8	50.1
Dubai, UAE	465	57.9	9.1	21.2	7.8	57.9	2.7	1.3	57.8	58.1
Massachusetts, US	274	75.9	5.2	8.8	5.6	75.9	2.1	2.3	80.9	70.8
Minnesota, US	250	70.2	6.3	11.7	10.0	70.2	1.8	0.0	72.2	68.1
Ontario, Canada	475	61.1	8.6	17.9	8.7	61.1	1.8	2.0	63.9	58.1
Quebec, Canada	587	52.9	9.7	19.5	11.2	52.9	5.7	0.9	56.3	49.9

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Algebra / Applying (M042093 - M14_10)
 Label: Temperature at mountain top
 Type: CR Key: -

COUNTRY	N	10	79	OMIT TED	NOT REACH ED	V1	1.GIRL	2.BOY
							%Right	%Right
Algeria	769	1.5	57.5	38.7	2.3	1.5	2.0	0.9
Armenia	690	74.1	23.1	2.8	0.0	74.1	70.7	77.0
Australia	583	10.1	52.1	37.2	0.7	10.1	7.1	13.0
Bahrain	604	3.2	68.2	26.7	1.9	3.2	3.8	2.6
Bosnia and Herzegovina	594	12.7	29.5	57.6	0.2	12.7	13.6	11.8
Botswana	608	0.4	83.3	12.8	3.4	0.4	0.6	0.2
Bulgaria	563	17.4	27.6	53.9	1.0	17.4	18.6	16.1
Chinese Taipei	573	63.0	25.6	11.4	0.0	63.0	57.6	68.1
Colombia	696	0.9	56.3	36.6	6.2	0.9	0.5	1.2
Cyprus	626	6.1	41.2	52.3	0.4	6.1	6.4	5.8
Czech Republic	689	12.5	39.2	48.2	0.1	12.5	13.3	11.8
Egypt	944	5.3	75.5	18.8	0.4	5.3	5.8	4.8
El Salvador	580	0.1	57.3	38.8	3.8	0.1	0.2	0.0
England	572	14.2	56.2	29.2	0.4	14.2	11.6	17.4
Georgia	599	6.0	25.6	67.1	1.3	6.0	8.1	3.9
Ghana	753	1.8	65.8	30.9	1.5	1.8	1.4	2.1
Hong Kong SAR	499	44.5	38.0	17.3	0.2	44.5	47.3	42.1
Hungary	598	14.7	40.5	44.2	0.6	14.7	17.5	11.7
Indonesia	602	5.9	72.5	20.9	0.7	5.9	5.9	6.0
Iran, Islamic Rep. of	570	2.5	60.1	36.2	1.2	2.5	1.6	3.2
Israel	459	9.1	35.7	53.0	2.2	9.1	9.9	8.2
Italy	626	7.8	33.4	57.6	1.2	7.8	9.4	6.3
Japan	621	38.3	37.9	23.3	0.4	38.3	35.5	41.2
Jordan	746	5.4	75.6	18.6	0.4	5.4	7.0	3.9
Korea, Rep. of	607	47.8	40.4	11.8	0.0	47.8	47.1	48.6
Kuwait	583	0.2	65.1	33.2	1.6	0.2	0.0	0.4
Lebanon	533	8.0	47.5	43.9	0.6	8.0	8.9	6.9
Lithuania	563	16.7	35.9	47.4	0.0	16.7	18.4	15.1
Malaysia	642	6.8	67.4	25.3	0.5	6.8	7.3	6.3
Malta	669	17.5	48.5	33.2	0.8	17.5	18.3	16.8
Morocco	449	1.9	41.5	54.6	2.0	1.9	2.1	1.7
Norway	644	3.3	61.8	34.2	0.7	3.3	3.6	3.0
Oman	677	3.8	80.5	14.2	1.5	3.8	3.7	4.0
Palestinian Nat'l Auth.	623	3.9	85.5	10.4	0.2	3.9	5.8	1.8
Qatar	1034	0.5	75.8	23.0	0.7	0.5	0.4	0.6
Romania	600	19.6	46.5	33.5	0.3	19.6	22.1	17.4
Russian Federation	640	32.6	30.6	36.5	0.3	32.6	31.0	34.2
Saudi Arabia	604	0.8	78.6	19.3	1.3	0.8	0.0	1.6
Scotland	579	5.8	51.1	42.5	0.7	5.8	4.2	7.5
Serbia	578	15.5	29.6	54.7	0.1	15.5	18.2	13.0
Singapore	650	39.1	46.3	14.6	0.0	39.1	44.5	33.9
Slovenia	565	10.5	59.3	29.8	0.4	10.5	7.6	13.1
Sweden	735	7.7	47.9	42.7	1.7	7.7	7.1	8.3
Syrian Arab Republic	677	3.8	66.3	29.5	0.3	3.8	3.9	3.8
Thailand	773	10.4	60.6	27.9	1.0	10.4	11.5	9.4
Tunisia	581	1.5	60.6	35.7	2.1	1.5	1.5	1.6
Turkey	641	8.4	62.2	29.3	0.2	8.4	8.7	8.2
Ukraine	620	13.2	40.0	46.6	0.1	13.2	14.1	12.4
United States	1061	14.2	69.3	15.1	1.5	14.2	13.2	15.3
International Avg.	643	13.3	52.6	33.1	1.0	13.3	13.4	13.1
Basque Country, Spain	333	7.4	39.7	52.0	0.8	7.4	8.7	6.4
British Columbia, Canada	607	10.3	57.7	31.3	0.7	10.3	10.4	10.1
Dubai, UAE	465	11.5	54.3	32.7	1.5	11.5	12.4	10.6
Massachusetts, US	274	24.1	56.5	17.1	2.3	24.1	24.6	23.6
Minnesota, US	250	24.0	62.7	13.3	0.0	24.0	30.7	16.6
Ontario, Canada	475	12.6	61.0	24.2	2.2	12.6	10.0	15.3
Quebec, Canada	587	14.2	45.0	39.8	1.0	14.2	16.2	12.4

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Geometry / Applying (M042271 - M14_11)
 Label: How many cubes were left
 Type: MC Key: C

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right
Algeria	778	9.4	13.9	14.5	9.4	51.9	6.6	3.5	6.9	12.1
Armenia	693	38.5	10.9	26.9	38.5	11.5	12.0	0.1	40.4	36.8
Australia	583	67.0	2.4	12.3	67.0	15.3	1.9	1.3	67.8	66.1
Bahrain	604	34.1	9.4	10.4	34.1	41.1	2.9	2.2	36.3	32.0
Bosnia and Herzegovina	594	52.9	4.5	6.0	52.9	31.3	5.0	0.3	53.0	52.7
Botswana	608	11.4	10.7	8.1	11.4	62.4	3.4	4.1	10.6	12.3
Bulgaria	563	48.2	12.0	14.1	48.2	21.5	2.5	1.7	47.7	48.8
Chinese Taipei	573	79.0	3.4	6.6	79.0	10.6	0.4	0.0	73.4	84.2
Colombia	696	21.9	16.3	13.4	21.9	39.7	2.0	6.7	15.4	28.5
Cyprus	626	49.6	7.2	14.7	49.6	26.5	1.6	0.4	49.5	49.6
Czech Republic	689	68.1	3.1	10.0	68.1	16.6	2.1	0.1	68.4	67.9
Egypt	942	31.8	10.3	11.3	31.8	45.3	0.9	0.5	29.2	34.4
El Salvador	580	18.9	20.3	9.4	18.9	45.7	1.2	4.5	14.5	23.5
England	572	72.6	1.9	13.1	72.6	10.7	1.3	0.4	73.3	71.7
Georgia	599	23.5	15.7	20.5	23.5	30.9	8.2	1.3	26.4	20.5
Ghana	753	8.7	15.0	8.3	8.7	63.4	2.7	1.9	8.3	9.1
Hong Kong SAR	499	68.0	7.2	13.2	68.0	10.5	0.9	0.2	65.3	70.5
Hungary	598	63.3	2.6	18.9	63.3	12.3	2.0	0.8	64.6	61.9
Indonesia	603	20.1	16.2	15.4	20.1	46.0	1.5	0.8	20.6	19.6
Iran, Islamic Rep. of	570	25.7	12.9	18.3	25.7	39.9	1.8	1.4	27.2	24.5
Israel	459	42.3	10.8	17.0	42.3	21.5	5.4	2.8	44.7	39.6
Italy	625	50.7	6.9	8.2	50.7	31.7	1.2	1.3	50.9	50.5
Japan	621	69.1	4.3	12.4	69.1	12.2	1.2	0.8	67.1	71.1
Jordan	746	35.2	5.1	10.1	35.2	46.8	2.0	0.8	34.9	35.6
Korea, Rep. of	607	77.0	1.6	11.6	77.0	9.5	0.3	0.0	74.2	79.7
Kuwait	583	29.1	10.3	10.8	29.1	42.3	5.5	2.0	29.2	29.0
Lebanon	532	25.5	15.6	13.4	25.5	40.0	4.5	0.9	28.0	22.1
Lithuania	563	72.2	2.0	9.9	72.2	15.4	0.5	0.0	73.9	70.5
Malaysia	642	45.6	6.6	15.6	45.6	29.1	2.6	0.5	44.0	47.3
Malta	667	52.5	9.4	9.6	52.5	26.3	1.5	0.8	52.5	52.6
Morocco	448	26.1	7.1	6.4	26.1	56.3	1.9	2.1	27.4	24.6
Norway	644	53.2	7.9	13.7	53.2	20.7	3.6	0.9	53.4	53.0
Oman	677	25.7	7.7	13.0	25.7	50.6	1.1	1.9	28.1	23.1
Palestinian Nat'l Auth.	623	25.2	10.0	10.3	25.2	53.3	0.8	0.4	26.8	23.4
Qatar	1034	25.0	15.6	22.3	25.0	35.5	0.8	0.8	25.5	24.6
Romania	600	49.2	7.8	11.0	49.2	30.3	1.0	0.6	50.5	48.2
Russian Federation	640	56.3	4.9	13.5	56.3	21.5	3.0	0.8	52.9	59.7
Saudi Arabia	604	19.9	15.7	12.3	19.9	49.1	1.4	1.6	19.3	20.4
Scotland	579	63.0	5.4	11.3	63.0	18.4	1.3	0.7	63.2	62.7
Serbia	578	63.7	6.3	10.1	63.7	18.9	0.8	0.2	65.7	61.7
Singapore	650	76.3	1.9	8.0	76.3	12.9	0.6	0.3	78.6	74.1
Slovenia	565	46.9	17.1	19.5	46.9	14.4	1.6	0.5	46.6	47.1
Sweden	735	60.2	7.2	17.2	60.2	11.0	2.2	2.1	62.2	58.4
Syrian Arab Republic	677	30.8	4.7	6.3	30.8	57.0	0.8	0.4	30.2	31.5
Thailand	773	26.0	13.6	23.5	26.0	32.7	3.1	1.1	27.7	24.5
Tunisia	581	34.2	6.6	8.1	34.2	46.8	1.6	2.7	32.8	35.6
Turkey	641	27.4	11.2	13.3	27.4	43.0	4.8	0.2	30.7	24.7
Ukraine	620	47.9	9.5	16.0	47.9	24.4	2.1	0.1	44.8	51.0
United States	1061	59.1	4.1	11.7	59.1	21.7	1.5	1.8	58.3	60.1
International Avg.	643	43.4	8.8	12.9	43.4	31.1	2.4	1.3	43.3	43.5
Basque Country, Spain	333	56.3	8.3	16.4	56.3	16.7	1.1	1.2	58.0	55.0
British Columbia, Canada	607	69.1	3.3	10.4	69.1	15.1	1.1	1.0	68.2	70.0
Dubai, UAE	465	45.3	6.9	10.3	45.3	33.6	2.3	1.7	40.9	49.6
Massachusetts, US	274	66.1	4.1	7.1	66.1	17.6	1.8	3.4	67.3	64.9
Minnesota, US	250	62.5	6.4	10.7	62.5	18.8	1.0	0.6	61.1	64.1
Ontario, Canada	475	66.9	3.1	9.6	66.9	16.9	1.3	2.3	66.1	67.8
Quebec, Canada	587	74.5	1.8	7.9	74.5	11.1	2.1	2.6	72.4	76.4

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Geometry / Reasoning (M042268 - M14_12)
 Label: Area of the triangle ABC
 Type: MC Key: B

COUNTRY	N	DIFF	A	B	C	D	OMIT TED	NOT REACH ED	1.GIRL %Right	2.BOY %Right

Algeria	778	10.8	44.6	10.8	11.0	25.7	4.2	3.7	9.5	12.1
Armenia	687	41.4	22.1	41.4	11.1	17.4	6.2	1.8	37.7	44.5
Australia	583	20.5	26.6	20.5	29.4	17.4	4.7	1.3	16.1	24.9
Bahrain	604	17.1	41.5	17.1	14.9	20.1	3.8	2.5	20.0	14.1
Bosnia and Herzegovina	594	18.7	47.8	18.7	10.9	11.2	11.1	0.3	18.8	18.6
Botswana	608	8.2	48.0	8.2	11.2	24.8	3.0	4.8	7.8	8.6
Bulgaria	563	21.0	32.2	21.0	23.5	15.6	6.0	1.7	19.1	23.1
Chinese Taipei	573	77.2	7.6	77.2	7.6	6.7	0.8	0.0	74.4	80.0
Colombia	696	10.1	51.9	10.1	12.1	15.1	3.9	6.9	8.4	11.8
Cyprus	626	36.3	26.0	36.3	16.0	17.2	4.1	0.4	36.5	36.1
Czech Republic	689	23.0	22.6	23.0	22.0	18.6	13.7	0.1	23.9	22.3
Egypt	941	26.5	37.4	26.5	13.2	21.1	1.3	0.5	23.1	29.9
El Salvador	580	11.1	52.1	11.1	9.7	19.0	3.5	4.5	10.1	12.1
England	572	28.4	17.4	28.4	31.5	20.8	1.4	0.5	28.6	28.2
Georgia	599	27.7	35.9	27.7	14.0	15.9	5.2	1.3	28.4	27.0
Ghana	753	9.5	61.0	9.5	6.7	18.2	2.5	2.1	11.1	8.2
Hong Kong SAR	499	64.9	8.2	64.9	16.2	8.7	1.8	0.2	67.0	63.0
Hungary	598	33.7	25.0	33.7	15.8	15.0	9.5	0.8	33.7	33.8
Indonesia	603	18.5	47.4	18.5	12.3	17.4	3.5	0.8	18.8	18.3
Iran, Islamic Rep. of	570	16.7	40.2	16.7	14.7	22.3	4.7	1.4	18.0	15.6
Israel	459	18.0	24.8	18.0	20.8	23.6	9.7	3.0	12.2	25.0
Italy	626	39.9	27.5	39.9	9.5	17.6	4.1	1.5	43.3	36.4
Japan	621	40.2	18.8	40.2	25.3	12.1	2.6	1.0	35.6	44.8
Jordan	746	25.7	42.5	25.7	10.3	17.1	3.5	0.8	27.1	24.5
Korea, Rep. of	607	56.6	7.1	56.6	27.5	8.4	0.5	0.0	56.3	56.8
Kuwait	583	16.0	37.4	16.0	19.0	21.0	4.5	2.0	15.4	16.8
Lebanon	530	24.6	46.6	24.6	10.5	12.5	4.8	0.9	20.7	29.8
Lithuania	563	31.1	22.5	31.1	19.6	18.4	8.3	0.0	31.6	30.7
Malaysia	642	37.3	17.6	37.3	27.3	13.2	3.6	1.0	36.7	37.9
Malta	666	22.4	26.2	22.4	22.7	25.0	2.8	0.9	15.9	29.0
Morocco	449	13.7	41.5	13.7	17.5	21.1	4.1	2.1	14.1	13.3
Norway	644	18.1	31.3	18.1	24.8	19.9	4.6	1.2	15.3	21.2
Oman	677	17.7	50.2	17.7	11.3	16.6	2.2	2.0	14.9	20.7
Palestinian Nat'l Auth.	623	25.7	42.9	25.7	13.3	16.2	1.5	0.4	28.7	22.5
Qatar	1034	18.3	45.3	18.3	16.9	17.5	1.2	0.9	16.4	20.2
Romania	600	41.9	28.4	41.9	8.4	16.6	4.0	0.6	44.1	40.0
Russian Federation	640	31.6	28.3	31.6	15.1	18.1	6.1	0.8	29.3	33.9
Saudi Arabia	603	16.2	51.9	16.2	12.8	15.2	2.3	1.6	16.1	16.3
Scotland	579	20.3	28.7	20.3	25.6	21.2	3.5	0.7	17.9	23.1
Serbia	567	34.5	30.8	34.5	10.0	17.7	6.7	0.2	36.7	32.5
Singapore	650	55.1	14.2	55.1	19.8	10.2	0.3	0.3	60.8	49.6
Slovenia	565	17.0	21.7	17.0	29.7	28.5	2.7	0.5	14.9	18.8
Sweden	735	22.0	25.6	22.0	24.3	22.6	3.4	2.1	19.9	24.1
Syrian Arab Republic	677	17.7	43.6	17.7	9.4	27.9	1.0	0.4	15.9	19.7
Thailand	773	27.4	37.3	27.4	15.0	16.7	2.4	1.1	29.7	25.4
Tunisia	581	11.4	32.4	11.4	19.3	30.7	3.3	2.9	8.0	14.9
Turkey	641	25.8	37.2	25.8	10.6	22.8	3.3	0.2	24.0	27.4
Ukraine	620	19.8	32.6	19.8	16.8	25.0	5.8	0.1	16.1	23.5
United States	1061	23.2	30.3	23.2	19.3	23.0	2.1	2.0	21.6	25.1

International Avg.	642	26.3	33.1	26.3	16.7	18.5	4.1	1.4	25.5	27.3

Basque Country, Spain	333	33.8	32.3	33.8	13.8	14.3	4.5	1.3	34.9	32.8
British Columbia, Canada	607	19.6	29.5	19.6	22.7	24.7	2.6	1.0	19.6	19.7
Dubai, UAE	464	21.6	33.7	21.6	19.9	18.2	4.9	1.7	22.1	21.1
Massachusetts, US	274	26.5	25.3	26.5	20.7	19.8	4.0	3.7	24.2	28.8
Minnesota, US	250	26.4	27.5	26.4	19.2	24.7	1.7	0.6	23.3	29.7
Ontario, Canada	475	23.4	24.1	23.4	19.3	29.2	1.0	2.8	19.0	28.2
Quebec, Canada	587	27.5	23.3	27.5	25.9	15.6	5.1	2.6	26.1	28.8

DIFF = Percent correct
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Data and Chance / Applying (M042159 - M14_13)

Label: Complete the bar chart

Type: CR Key: -

COUNTRY	N	10	70	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	776	27.7	16.1	29.2	23.0	4.0	27.7	27.3	28.1
Armenia	693	24.1	26.8	27.4	19.3	2.4	24.1	22.9	25.1
Australia	583	72.9	13.8	6.4	5.5	1.3	72.9	76.5	69.4
Bahrain	604	64.3	14.9	7.3	10.5	3.1	64.3	68.9	59.8
Bosnia and Herzegovina	594	56.5	5.4	9.6	27.3	1.2	56.5	63.5	49.1
Botswana	608	20.5	20.7	38.1	15.1	5.6	20.5	21.9	18.9
Bulgaria	563	46.7	13.4	14.5	23.3	2.2	46.7	51.3	41.4
Chinese Taipei	573	90.3	3.1	4.7	1.9	0.0	90.3	91.8	88.8
Colombia	696	46.8	12.2	22.1	10.4	8.5	46.8	44.7	48.9
Cyprus	626	60.7	13.6	11.6	13.4	0.7	60.7	60.4	61.0
Czech Republic	689	71.4	14.7	5.9	7.6	0.4	71.4	73.8	69.1
Egypt	943	57.7	20.7	13.7	7.2	0.7	57.7	59.4	56.0
El Salvador	580	40.1	22.3	21.8	10.3	5.6	40.1	38.1	42.1
England	572	54.3	26.6	15.3	3.2	0.5	54.3	54.5	54.1
Georgia	599	33.9	5.1	13.9	45.3	1.8	33.9	37.3	30.4
Ghana	753	35.4	11.5	30.8	19.4	2.9	35.4	30.1	39.4
Hong Kong SAR	499	85.4	4.3	4.9	5.2	0.2	85.4	88.2	82.9
Hungary	598	78.3	9.0	5.5	5.9	1.4	78.3	80.8	75.7
Indonesia	603	63.7	7.0	19.6	8.5	1.3	63.7	68.2	59.5
Iran, Islamic Rep. of	570	50.2	22.7	16.5	8.7	1.9	50.2	54.4	46.8
Israel	459	65.2	6.8	8.5	16.0	3.5	65.2	68.8	60.9
Italy	626	68.1	7.4	10.0	12.6	2.0	68.1	74.3	61.7
Japan	621	84.2	7.9	3.2	3.5	1.2	84.2	86.7	81.6
Jordan	746	60.1	5.8	25.7	7.4	1.0	60.1	60.7	59.5
Korea, Rep. of	607	85.7	12.7	1.2	0.3	0.1	85.7	86.8	84.6
Kuwait	585	51.0	10.3	20.7	15.6	2.5	51.0	56.6	44.6
Lebanon	533	76.9	4.8	6.1	10.8	1.5	76.9	75.5	78.7
Lithuania	563	87.5	5.1	3.8	3.3	0.3	87.5	88.7	86.3
Malaysia	642	75.0	7.9	10.8	5.2	1.1	75.0	74.5	75.6
Malta	664	67.8	12.0	14.3	4.2	1.7	67.8	68.8	66.8
Morocco	449	68.0	6.6	8.4	14.0	3.0	68.0	71.5	63.9
Norway	644	64.5	20.3	7.7	5.9	1.6	64.5	69.3	59.3
Oman	677	46.6	10.0	31.4	9.1	2.8	46.6	54.5	37.9
Palestinian Nat'l Auth.	622	53.8	12.1	26.8	6.8	0.6	53.8	59.1	48.1
Qatar	1034	26.9	13.0	29.7	29.3	1.1	26.9	34.2	19.4
Romania	600	38.7	8.0	26.9	25.3	1.1	38.7	41.7	36.2
Russian Federation	637	69.4	6.1	10.1	12.1	2.3	69.4	70.2	68.6
Saudi Arabia	604	35.6	9.8	37.4	15.0	2.2	35.6	37.5	33.9
Scotland	579	60.0	22.3	12.8	4.1	0.8	60.0	58.6	61.4
Serbia	578	69.0	3.4	7.0	19.7	0.9	69.0	73.2	64.9
Singapore	650	85.9	5.8	5.8	2.1	0.4	85.9	88.4	83.5
Slovenia	565	82.5	8.6	5.8	2.3	0.8	82.5	85.2	80.2
Sweden	735	75.4	7.2	5.2	9.5	2.7	75.4	77.6	73.3
Syrian Arab Republic	677	49.0	14.2	24.1	12.1	0.5	49.0	49.0	49.1
Thailand	773	64.4	3.9	19.6	10.4	1.7	64.4	70.3	59.0
Tunisia	581	65.3	10.1	13.1	8.3	3.1	65.3	66.5	64.1
Turkey	641	42.6	9.3	31.8	15.9	0.4	42.6	41.9	43.2
Ukraine	620	61.0	11.3	15.4	12.2	0.1	61.0	65.1	56.9
United States	1061	48.4	26.3	18.7	4.2	2.4	48.4	46.8	50.2
International Avg.	643	59.4	11.7	15.5	11.6	1.8	59.4	61.6	57.1
Basque Country, Spain	333	77.1	7.1	8.4	5.0	2.5	77.1	74.0	79.6
British Columbia, Canada	607	64.6	13.5	13.8	6.9	1.2	64.6	67.2	61.7
Dubai, UAE	465	54.5	20.3	12.1	11.4	1.8	54.5	60.2	48.9
Massachusetts, US	274	54.5	22.1	15.5	4.1	3.7	54.5	51.9	57.1
Minnesota, US	250	50.8	28.1	18.7	1.6	0.8	50.8	46.5	55.4
Ontario, Canada	475	76.4	7.8	10.1	2.6	3.2	76.4	77.2	75.5
Quebec, Canada	587	70.3	10.3	9.6	7.1	2.7	70.3	67.6	72.7

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Data and Chance / Reasoning (M042164 - M14_14)
 Label: Agree/disagree with the salesman
 Type: CR Key: -

COUNTRY	N	10	11	12	70	79	OMIT TED	NOT REACH ED	V1	1.GIRL %Right	2.BOY %Right
Algeria	776	0.2	0.1	0.2	2.9	44.2	39.8	12.6	0.5	0.5	0.4
Armenia	693	16.2	4.0	1.8	3.9	42.5	23.4	8.2	22.0	24.4	20.0
Australia	583	6.3	23.9	14.4	18.1	25.5	9.5	2.3	44.6	36.0	53.0
Bahrain	604	0.4	8.7	4.7	18.2	43.8	16.4	7.7	13.9	17.8	10.0
Bosnia and Herzegovina	594	0.6	9.1	2.9	7.9	40.1	31.5	8.0	12.6	13.8	11.2
Botswana	608	0.0	4.2	1.7	4.5	69.5	11.1	9.0	5.9	6.0	5.9
Bulgaria	563	0.3	11.6	6.6	12.0	28.9	30.4	10.1	18.6	17.5	19.9
Chinese Taipei	573	3.3	51.0	13.2	7.5	19.7	4.9	0.5	67.5	65.8	69.0
Colombia	696	0.4	5.0	2.4	19.7	42.2	16.3	14.1	7.7	7.2	8.2
Cyprus	626	1.0	16.1	20.3	12.9	24.9	21.4	3.5	37.4	43.6	31.5
Czech Republic	689	1.2	26.3	12.3	19.1	30.1	9.4	1.7	39.8	40.3	39.3
Egypt	944	0.0	2.9	2.8	2.2	65.0	23.5	3.6	5.7	6.9	4.5
El Salvador	580	0.2	2.2	1.6	17.1	45.1	21.9	11.9	4.0	2.1	6.0
England	572	2.2	44.6	9.6	10.2	25.1	7.0	1.3	56.4	55.8	57.2
Georgia	599	0.3	6.7	3.9	8.0	42.1	23.4	15.6	10.9	10.7	11.2
Ghana	753	0.1	1.3	1.3	12.4	33.8	39.8	11.3	2.7	3.1	2.4
Hong Kong SAR	499	14.6	33.9	16.2	6.3	20.3	7.9	0.9	64.6	69.9	59.9
Hungary	598	3.7	22.9	19.4	14.3	26.8	10.9	1.9	46.0	46.6	45.4
Indonesia	603	2.7	5.6	5.4	37.8	32.4	12.4	3.6	13.7	15.6	11.9
Iran, Islamic Rep. of	570	0.2	5.3	3.0	17.8	51.0	17.4	5.3	8.5	7.8	9.1
Israel	459	6.0	27.8	5.2	8.1	21.9	22.0	9.0	39.0	39.7	38.1
Italy	626	2.0	13.3	14.5	11.6	36.2	16.4	5.9	29.8	26.2	33.6
Japan	621	5.1	28.7	15.7	2.8	32.9	12.0	2.8	49.5	48.8	50.2
Jordan	746	7.4	8.2	3.5	19.2	44.7	14.3	2.7	19.0	21.8	16.5
Korea, Rep. of	607	5.3	38.1	16.6	11.4	23.8	4.6	0.3	60.0	60.3	59.7
Kuwait	585	1.7	3.6	2.3	4.0	41.3	39.4	7.7	7.6	9.1	5.9
Lebanon	533	0.9	17.3	3.2	8.2	33.2	32.5	4.6	21.4	21.5	21.3
Lithuania	563	0.7	20.3	24.1	8.4	34.6	10.3	1.5	45.1	42.4	47.7
Malaysia	642	2.2	14.7	10.3	20.1	35.4	13.9	3.5	27.2	30.8	23.3
Malta	669	1.3	25.9	9.6	17.3	29.2	13.9	2.7	36.8	37.7	35.8
Morocco	447	1.5	5.9	0.5	2.6	34.4	47.0	8.1	7.9	9.1	6.5
Norway	644	4.0	20.3	10.6	24.8	31.9	5.4	3.0	34.9	33.8	36.2
Oman	677	1.4	5.1	1.7	10.5	59.8	15.3	6.2	8.3	10.6	5.6
Palestinian Nat'l Auth.	623	0.2	4.5	1.7	5.1	64.3	20.7	3.4	6.4	8.8	3.9
Qatar	1034	0.0	1.4	0.0	2.8	51.9	33.0	10.9	1.4	1.3	1.5
Romania	600	0.5	8.5	4.4	10.4	52.7	16.8	6.7	13.4	12.7	14.0
Russian Federation	637	0.2	13.9	19.0	3.2	42.3	16.1	5.3	33.2	33.5	32.8
Saudi Arabia	604	0.0	1.6	1.7	6.0	64.5	20.0	6.2	3.4	3.3	3.4
Scotland	579	1.0	30.6	8.7	12.7	35.7	8.9	2.4	40.3	37.4	43.6
Serbia	578	1.2	15.8	8.4	22.4	21.5	24.1	6.6	25.4	25.9	24.8
Singapore	650	3.5	48.9	13.2	10.7	19.3	3.8	0.5	65.6	71.9	59.6
Slovenia	565	2.1	21.6	15.6	7.4	46.5	5.5	1.2	39.3	39.9	38.9
Sweden	735	7.0	25.6	8.4	12.9	25.8	13.2	7.0	41.0	38.8	43.1
Syrian Arab Republic	677	1.6	4.8	2.0	9.2	46.5	32.9	3.1	8.3	8.3	8.4
Thailand	773	0.0	10.0	6.4	18.9	36.5	23.4	4.8	16.4	18.4	14.5
Tunisia	581	1.0	9.2	6.3	10.9	45.4	19.9	7.2	16.6	14.6	18.7
Turkey	641	0.6	11.3	4.8	8.3	50.9	21.7	2.3	16.7	17.8	15.8
Ukraine	620	0.1	10.7	10.0	19.1	43.4	14.3	2.3	20.8	18.6	23.0
United States	1061	5.9	29.9	10.5	16.4	29.5	4.7	3.0	46.3	46.4	46.3
International Avg.	643	2.4	15.6	7.8	11.8	38.6	18.5	5.4	25.8	26.1	25.5
Basque Country, Spain	333	1.7	24.3	13.1	16.9	32.4	8.0	3.5	39.2	41.6	37.2
British Columbia, Canada	607	4.0	34.3	9.6	14.1	29.9	5.7	2.4	47.8	47.5	48.2
Dubai, UAE	465	0.2	26.1	3.4	11.7	34.7	18.6	5.3	29.7	30.5	28.9
Massachusetts, US	274	7.7	42.7	8.6	15.4	17.6	3.6	4.4	59.0	55.6	62.3
Minnesota, US	250	8.2	38.0	8.8	14.1	25.3	4.7	0.8	55.0	53.0	57.2
Ontario, Canada	475	4.2	42.0	11.6	12.5	21.4	4.1	4.2	57.8	55.6	60.3
Quebec, Canada	587	2.7	47.4	7.4	11.6	17.1	9.1	4.6	57.6	59.1	56.3

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.

Mathematics: Data and Chance / Reasoning (M042167 - M14_15)
 Label: Overall average of 9 for Ahmed
 Type: CR Key: -

COUNTRY	N	10	79	NOT REACH		V1	1.GIRL %Right	2.BOY %Right
				OMIT TED	ED			
Algeria	758	13.4	43.1	21.8	21.7	13.4	12.6	14.2
Armenia	689	14.9	53.4	16.7	15.0	14.9	17.1	12.9
Australia	583	19.7	61.2	13.0	6.1	19.7	15.6	23.8
Bahrain	604	7.7	54.3	24.8	13.3	7.7	8.1	7.2
Bosnia and Herzegovina	594	13.1	35.0	34.6	17.2	13.1	12.7	13.7
Botswana	608	1.3	63.2	20.4	15.0	1.3	1.4	1.3
Bulgaria	563	22.6	29.2	30.0	18.2	22.6	22.3	22.8
Chinese Taipei	573	57.0	31.9	8.5	2.7	57.0	48.6	64.9
Colombia	696	4.9	47.8	24.9	22.3	4.9	3.0	6.9
Cyprus	626	20.3	52.7	19.3	7.8	20.3	21.0	19.6
Czech Republic	689	27.5	47.6	20.4	4.5	27.5	28.8	26.3
Egypt	943	2.3	67.2	19.1	11.4	2.3	3.0	1.6
El Salvador	580	2.6	49.0	28.1	20.4	2.6	1.4	3.9
England	572	24.8	58.9	12.3	4.0	24.8	21.3	29.0
Georgia	599	9.9	38.0	33.8	18.3	9.9	9.8	10.0
Ghana	753	1.0	31.1	42.9	24.9	1.0	0.7	1.3
Hong Kong SAR	499	54.9	36.7	6.1	2.3	54.9	57.3	52.9
Hungary	598	36.2	39.7	18.8	5.3	36.2	37.6	34.8
Indonesia	603	15.3	66.4	10.9	7.4	15.3	18.8	12.1
Iran, Islamic Rep. of	570	12.9	58.9	16.7	11.4	12.9	11.2	14.4
Israel	459	36.1	25.0	22.2	16.6	36.1	37.5	34.6
Italy	626	24.8	41.8	21.6	11.8	24.8	26.4	23.1
Japan	621	53.7	31.1	8.2	6.9	53.7	51.8	55.6
Jordan	746	18.2	61.2	13.7	6.9	18.2	17.0	19.4
Korea, Rep. of	607	61.5	32.5	4.0	2.0	61.5	62.1	60.9
Kuwait	585	2.5	49.1	27.8	20.6	2.5	1.3	3.9
Lebanon	533	11.6	37.9	32.8	17.7	11.6	11.1	12.2
Lithuania	563	63.8	23.1	9.8	3.3	63.8	68.6	59.1
Malaysia	642	15.2	53.1	23.8	7.9	15.2	15.1	15.4
Malta	667	22.8	50.3	18.8	8.1	22.8	19.6	26.1
Morocco	448	9.7	44.1	24.6	21.7	9.7	8.1	11.6
Norway	644	24.9	60.7	9.2	5.1	24.9	24.6	25.3
Oman	677	2.4	74.6	13.2	9.8	2.4	2.8	2.0
Palestinian Nat'l Auth.	623	5.0	73.3	13.4	8.4	5.0	7.0	2.8
Qatar	1034	0.8	51.4	28.2	19.7	0.8	0.7	0.8
Romania	600	22.5	45.6	22.0	9.9	22.5	24.7	20.6
Russian Federation	637	26.0	39.1	23.9	11.1	26.0	25.6	26.4
Saudi Arabia	604	1.2	62.8	24.5	11.6	1.2	1.4	1.0
Scotland	579	16.3	60.0	17.1	6.6	16.3	12.1	21.0
Serbia	578	31.1	36.7	20.8	11.4	31.1	29.5	32.5
Singapore	650	58.3	34.0	6.3	1.5	58.3	57.2	59.3
Slovenia	565	27.7	61.3	7.6	3.5	27.7	26.0	29.1
Sweden	735	27.1	46.0	16.1	10.8	27.1	25.2	28.8
Syrian Arab Republic	677	9.3	53.5	27.5	9.7	9.3	8.2	10.6
Thailand	773	11.4	55.0	20.0	13.6	11.4	13.0	9.9
Tunisia	581	12.4	52.4	21.6	13.6	12.4	9.0	15.9
Turkey	641	23.4	57.8	13.5	5.3	23.4	21.8	24.7
Ukraine	620	25.6	43.1	26.0	5.3	25.6	28.2	23.1
United States	1061	28.9	57.0	9.7	4.4	28.9	25.1	33.2
International Avg.	642	21.2	48.5	19.4	10.9	21.2	20.7	21.7
Basque Country, Spain	333	29.9	53.4	11.3	5.5	29.9	24.2	34.5
British Columbia, Canada	607	24.1	57.1	14.6	4.2	24.1	23.2	25.2
Dubai, UAE	465	19.6	45.0	23.1	12.3	19.6	19.3	19.9
Massachusetts, US	274	45.9	38.7	9.6	5.7	45.9	43.0	48.9
Minnesota, US	250	37.4	50.7	7.4	4.5	37.4	38.6	36.1
Ontario, Canada	475	39.0	45.2	9.6	6.2	39.0	38.9	39.0
Quebec, Canada	587	33.7	45.1	12.1	9.1	33.7	29.8	37.3

V1 = Percent scoring 1 or better V2 = Percent scoring 2 or better
 Percent right for boys and girls corresponds to the percent obtaining the maximum score on the item.
 Because of missing gender information, some totals may appear inconsistent.