

Item: A01 KEY: A
 Determine shaded squares in rectangle = 4/5. (Fractions and number sense)
 Difficulty: 525

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	7228	65.0	2.2	5.4	10.1	16.7	0.6	65.0	0.0	0.1	0.6	63.6	66.4
Austria	2772	62.1	3.1	4.9	9.9	19.1	0.8	62.1	0.0	0.1	0.8	58.9	65.2
Belgium (Fl)	2893	82.6	1.7	3.1	3.4	8.5	0.6	82.6	0.0	0.0	0.6	82.2	83.1
Belgium (Fr)	2584	73.5	2.4	3.2	6.0	12.9	2.0	73.5	0.1	0.0	1.9	74.4	72.6
Bulgaria	1973	61.7	5.8	8.2	10.9	9.6	3.9	61.7	0.4	0.0	3.5	61.6	61.9
Canada	8334	67.3	3.0	4.9	8.5	15.7	0.6	67.3	0.2	0.0	0.4	66.2	68.5
Colombia	2649	22.1	4.3	7.8	24.3	35.7	5.8	22.1	0.4	0.2	5.3	21.8	22.7
Cyprus	2923	60.5	8.8	9.9	8.5	11.0	1.3	60.5	0.1	0.1	1.1	59.6	61.3
Czech Republic	3326	60.2	4.9	6.4	11.8	14.9	1.8	60.2	0.3	0.0	1.4	57.1	63.2
Denmark	2292	60.7	4.0	6.6	11.0	14.0	3.7	60.7	0.1	0.1	3.4	56.9	64.6
England	1757	54.1	4.1	5.5	14.8	20.4	1.2	54.1	0.0	0.1	1.1	52.4	55.6
France	2994	65.1	4.4	4.7	10.5	14.0	1.4	65.1	0.2	0.0	1.2	63.0	67.7
Germany	2863	55.3	4.6	8.3	12.9	15.9	3.0	55.3	0.1	0.1	2.8	53.4	57.6
Greece	3975	53.7	5.6	4.9	13.5	20.3	2.0	53.7	0.4	0.0	1.6	49.4	57.8
Hong Kong	3335	82.6	2.2	4.4	4.0	6.3	0.4	82.6	0.0	0.0	0.4	80.5	84.5
Hungary	2912	66.5	4.0	6.1	10.0	11.3	2.1	66.5	0.0	0.1	2.0	66.3	66.7
Iceland	1763	45.7	5.0	7.8	15.2	25.4	1.0	45.7	0.2	0.1	0.8	41.3	49.8
Iran, Islamic Rep.	3683	43.5	4.4	5.3	13.6	32.7	0.6	43.5	0.1	0.0	0.5	35.6	49.7
Ireland	3071	66.9	2.2	3.7	9.8	16.7	0.7	66.9	0.2	0.1	0.4	63.1	70.8
Israel	1415	64.5	3.4	4.9	9.3	15.6	2.2	64.5	0.0	0.5	1.7	59.7	71.0
Japan	5137	80.5	2.3	4.8	5.0	7.2	0.1	80.5	0.0	0.0	0.1	80.3	80.8
Korea	2920	79.3	2.0	4.2	5.1	9.3	0.0	79.3	0.0	0.0	0.0	76.9	81.4
Kuwait	1655	23.2	12.5	17.1	21.8	21.4	4.0	23.2	0.1	0.0	3.9	19.6	26.8
Latvia (LSS)	2406	50.5	3.8	8.8	14.3	19.6	2.9	50.5	0.0	0.1	2.9	49.2	51.9
Lithuania	2513	45.0	8.0	8.2	15.2	16.7	7.0	45.0	0.2	0.0	6.7	42.1	48.5
Netherlands	1984	69.8	2.9	4.7	7.1	15.3	0.3	69.8	0.0	0.0	0.3	65.5	73.8
New Zealand	3665	59.3	2.7	5.3	11.8	20.5	0.4	59.3	0.1	0.0	0.3	56.7	61.6
Norway	3259	59.1	5.3	7.1	10.8	16.9	0.9	59.1	0.0	0.0	0.8	56.7	61.5
Philippines	5994	21.9	6.6	34.4	11.3	25.5	0.3	21.9	0.1	0.0	0.3	22.8	20.9
Portugal	3376	28.6	6.1	11.8	23.9	25.4	4.2	28.6	0.0	0.0	4.2	26.7	30.3
Romania	3716	59.3	5.5	7.6	10.5	13.8	3.3	59.3	0.8	0.0	2.5	58.8	59.8
Russian Federation	4021	61.4	3.5	5.5	11.5	15.3	2.8	61.4	0.1	0.1	2.6	59.7	63.3
Scotland	2853	54.1	2.3	5.2	14.3	23.5	0.6	54.1	0.1	0.0	0.5	49.2	58.8
Singapore	4644	90.1	1.7	1.8	2.6	3.6	0.1	90.1	0.0	0.0	0.1	90.6	89.8
Slovak Republic	3500	66.7	3.4	4.7	9.9	12.8	2.5	66.7	0.3	0.0	2.2	64.9	68.5
Slovenia	2705	68.4	2.7	4.3	9.8	13.6	1.1	68.4	0.0	0.0	1.1	66.6	70.2
South Africa	4491	15.2	7.6	43.0	9.6	22.3	2.4	15.2	0.6	0.0	1.7	14.3	16.2
Spain	3849	39.9	4.9	6.6	14.0	32.9	1.7	39.9	0.0	0.0	1.7	36.5	43.4
Sweden	4048	68.0	3.5	5.1	9.4	13.3	0.7	68.0	0.1	0.1	0.4	66.2	69.7
Switzerland	4854	73.2	3.2	4.5	7.4	10.5	1.3	73.2	0.1	0.0	1.2	72.1	74.2
Thailand	5850	66.6	2.3	5.1	10.1	15.5	0.5	66.6	0.0	0.0	0.5	66.9	66.4
United States	7045	50.9	3.1	6.5	12.7	26.0	0.8	50.9	0.1	0.1	0.6	47.8	53.9
INTERNATIONAL AVG	.	58.2	4.2	7.7	11.1	17.1	1.8	58.2	0.1	0.0	1.6	56.1	60.3

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: A02 KEY: C
 Solve algebraic word problem equating masses on a scale. (Algebra)
 Difficulty: 435

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	7228	5.1	13.8	77.1	3.7	0.4	77.1	0.0	0.1	0.3	76.1	78.1
Austria	2772	2.9	9.5	81.8	4.7	1.0	81.8	0.1	0.1	0.9	79.8	83.9
Belgium (Fl)	2893	4.4	10.9	80.6	3.4	0.7	80.6	0.0	0.0	0.7	80.0	81.2
Belgium (Fr)	2584	6.8	11.1	77.3	2.9	1.8	77.3	0.1	0.0	1.7	76.6	77.9
Bulgaria	1973	2.6	6.5	87.2	2.5	1.3	87.2	0.5	0.0	0.7	86.2	88.2
Canada	8334	5.2	13.2	76.4	4.7	0.5	76.4	0.1	0.0	0.5	75.2	77.6
Colombia	2649	12.2	25.7	49.3	8.7	4.0	49.3	0.4	0.3	3.3	48.9	49.8
Cyprus	2923	6.8	18.6	69.1	4.5	1.1	69.1	0.1	0.1	0.9	68.6	69.7
Czech Republic	3326	3.9	6.6	85.9	2.9	0.7	85.9	0.4	0.0	0.3	83.4	88.4
Denmark	2292	3.7	7.9	82.3	4.0	2.1	82.3	0.5	0.1	1.4	80.1	84.6
England	1757	5.1	12.5	79.1	2.9	0.3	79.1	0.0	0.1	0.3	77.0	81.1
France	2994	4.0	10.3	80.8	3.9	1.0	80.8	0.4	0.0	0.6	81.5	80.6
Germany	2862	3.7	10.2	80.5	4.0	1.6	80.5	0.3	0.1	1.3	81.4	79.9
Greece	3975	9.7	18.3	67.0	3.5	1.6	67.0	0.2	0.0	1.4	65.2	68.7
Hong Kong	3335	5.4	13.0	78.3	2.8	0.5	78.3	0.0	0.0	0.5	77.3	79.1
Hungary	2912	3.2	10.5	81.1	3.3	1.9	81.1	0.0	0.1	1.8	78.7	83.6
Iceland	1762	5.6	14.2	76.6	3.0	0.7	76.6	0.1	0.1	0.6	76.5	76.7
Iran, Islamic Rep.	3683	9.3	19.3	64.8	6.2	0.5	64.8	0.1	0.0	0.4	58.0	70.1
Ireland	3071	8.2	14.6	73.3	3.1	0.8	73.3	0.3	0.1	0.4	70.5	76.0
Israel	1415	7.2	16.4	70.9	3.5	2.0	70.9	0.0	0.5	1.4	67.5	75.3
Japan	5137	2.8	9.7	85.7	1.7	0.1	85.7	0.0	0.0	0.0	85.0	86.3
Korea	2920	3.2	14.7	80.0	2.1	0.0	80.0	0.0	0.0	0.0	79.2	80.7
Kuwait	1655	13.2	31.2	48.1	5.7	1.8	48.1	0.0	0.0	1.8	48.0	48.2
Latvia (LSS)	2407	3.7	9.3	81.8	4.1	1.2	81.8	0.0	0.1	1.1	79.9	83.7
Lithuania	2514	3.0	7.9	81.5	6.0	1.6	81.5	0.3	0.0	1.4	79.4	84.0
Netherlands	1984	3.7	9.5	82.4	4.2	0.3	82.4	0.0	0.0	0.3	82.1	82.6
New Zealand	3665	4.3	13.6	78.6	3.2	0.4	78.6	0.1	0.0	0.2	76.0	80.9
Norway	3259	5.1	14.1	75.9	4.1	0.7	75.9	0.0	0.0	0.7	75.2	76.7
Philippines	5994	19.3	41.5	35.4	3.4	0.4	35.4	0.0	0.0	0.4	34.6	36.5
Portugal	3376	3.8	11.7	79.0	4.6	0.9	79.0	0.0	0.0	0.9	75.2	82.8
Romania	3715	3.8	11.9	78.6	3.6	2.0	78.6	0.9	0.0	1.1	78.0	79.2
Russian Federation	4021	1.6	6.1	89.0	2.6	0.8	89.0	0.1	0.1	0.7	88.3	89.8
Scotland	2853	6.2	12.7	77.2	3.3	0.5	77.2	0.1	0.0	0.5	73.7	80.5
Singapore	4644	3.0	9.6	84.9	2.2	0.3	84.9	0.0	0.0	0.3	83.5	86.2
Slovak Republic	3500	2.3	7.4	86.5	3.0	0.8	86.5	0.2	0.0	0.5	85.9	87.2
Slovenia	2706	2.5	8.1	85.2	3.5	0.7	85.2	0.1	0.0	0.6	83.3	87.2
South Africa	4491	21.0	42.9	29.1	5.8	1.1	29.1	0.3	0.0	0.8	25.1	32.7
Spain	3849	7.5	16.8	71.6	2.9	1.2	71.6	0.0	0.0	1.2	69.5	73.7
Sweden	4048	2.8	8.1	83.9	4.7	0.6	83.9	0.1	0.1	0.4	82.3	85.3
Switzerland	4854	2.4	8.6	84.1	3.5	1.3	84.1	0.6	0.0	0.7	82.8	85.3
Thailand	5850	11.2	20.9	65.0	2.1	0.8	65.0	0.0	0.0	0.8	65.3	64.7
United States	7045	6.4	16.4	71.6	4.8	0.7	71.6	0.0	0.1	0.6	68.2	74.9
INTERNATIONAL AVG	.	5.9	14.2	75.1	3.8	1.0	75.1	0.1	0.1	0.8	73.5	76.6

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: A03 KEY: D
 Determine actual length of box which is rounded to 9 cm. (Measurement)
 Difficulty: 504

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	7228	12.4	10.2	4.1	72.4	0.9	72.4	0.0	0.1	0.8	73.2	71.6
Austria	2772	3.8	5.4	2.0	87.7	1.1	87.7	0.1	0.1	1.0	88.2	87.0
Belgium (Fl)	2893	7.5	5.7	4.8	81.4	0.7	81.4	0.0	0.0	0.7	83.1	79.7
Belgium (Fr)	2585	20.3	7.9	13.5	51.1	7.2	51.1	0.7	0.0	6.5	53.4	48.5
Bulgaria	1973	33.0	10.4	6.0	42.6	8.0	42.6	4.5	0.0	3.4	44.4	40.7
Canada	8334	16.2	8.2	5.3	69.6	0.7	69.6	0.4	0.0	0.4	72.0	67.8
Colombia	2649	41.5	19.9	11.8	21.2	5.7	21.2	0.4	0.8	4.5	21.9	20.3
Cyprus	2923	17.1	29.3	11.8	39.3	2.5	39.3	0.1	0.1	2.3	39.5	39.0
Czech Republic	3324	2.5	2.3	1.5	93.2	0.6	93.2	0.3	0.0	0.3	92.8	93.5
Denmark	2292	6.2	7.1	6.2	77.2	3.3	77.2	1.1	0.1	2.1	74.3	80.6
England	1757	13.7	8.6	4.5	72.0	1.1	72.0	0.0	0.1	1.1	71.5	72.5
France	2994	25.3	5.2	10.6	55.4	3.5	55.4	1.6	0.0	1.9	54.3	57.0
Germany	2862	5.2	4.7	3.3	84.2	2.7	84.2	1.1	0.1	1.5	86.8	82.2
Greece	3975	17.3	13.8	7.4	58.7	2.8	58.7	0.0	0.0	2.7	59.8	57.7
Hong Kong	3338	5.5	6.9	5.1	82.2	0.3	82.2	0.1	0.0	0.3	80.7	83.5
Hungary	2912	2.5	4.3	2.2	90.2	0.8	90.2	0.0	0.1	0.7	89.7	90.8
Iceland	1762	25.5	6.1	5.6	61.4	1.4	61.4	0.7	0.1	0.6	63.5	59.4
Iran, Islamic Rep.	3692	44.0	33.2	8.4	11.7	2.7	11.7	0.0	0.0	2.7	11.2	12.1
Ireland	3071	11.8	8.9	4.9	73.7	0.7	73.7	0.4	0.1	0.3	72.9	74.5
Israel	1414	14.2	10.6	13.2	59.0	2.9	59.0	0.0	0.5	2.4	57.4	61.7
Japan	5137	12.7	9.0	13.3	64.4	0.5	64.4	0.0	0.0	0.5	64.3	64.5
Korea	2920	2.0	3.8	2.7	91.6	0.0	91.6	0.0	0.0	0.0	90.2	92.8
Kuwait	1655	27.3	26.6	15.6	26.3	4.1	26.3	0.0	0.0	4.1	25.5	27.2
Latvia (LSS)	2405	13.6	10.1	13.5	61.3	1.6	61.3	0.0	0.1	1.4	60.8	61.8
Lithuania	2514	56.4	11.1	6.4	21.6	4.4	21.6	0.4	0.0	4.0	22.2	21.0
Netherlands	1984	5.6	5.0	4.3	84.6	0.5	84.6	0.0	0.0	0.5	84.2	84.8
New Zealand	3665	17.2	10.7	5.7	65.7	0.6	65.7	0.3	0.0	0.2	65.5	65.9
Norway	3259	9.9	8.7	8.3	70.8	2.3	70.8	0.0	0.0	2.3	69.4	72.2
Philippines	5993	35.1	33.5	9.8	21.1	0.5	21.1	0.0	0.0	0.5	21.8	20.3
Portugal	3376	17.7	10.1	8.0	62.2	2.0	62.2	0.0	0.0	2.0	59.8	64.5
Romania	.	.	.	.	.	.	.	.	.	.	.	.
Russian Federation	4021	17.2	7.4	14.4	57.5	3.6	57.5	0.5	0.1	3.0	60.2	54.3
Scotland	2853	12.0	8.7	4.5	73.1	1.8	73.1	1.5	0.0	0.4	71.2	74.7
Singapore	4644	1.8	3.8	1.4	92.8	0.2	92.8	0.0	0.0	0.2	92.7	92.9
Slovak Republic	3499	4.3	3.8	2.2	89.1	0.6	89.1	0.2	0.0	0.3	89.5	88.6
Slovenia	2706	18.2	7.9	10.3	61.3	2.4	61.3	0.7	0.0	1.7	60.8	61.8
South Africa	4491	42.0	32.1	9.5	14.8	1.7	14.8	0.2	0.0	1.5	13.9	15.7
Spain	3849	31.0	10.9	10.6	44.3	3.2	44.3	0.0	0.0	3.2	43.3	45.3
Sweden	4048	6.3	6.9	4.6	81.6	0.7	81.6	0.2	0.1	0.3	80.8	82.3
Switzerland	4854	5.6	6.1	3.5	83.1	1.7	83.1	1.0	0.0	0.7	83.4	82.9
Thailand	5850	22.7	9.1	5.4	62.2	0.6	62.2	0.0	0.0	0.6	63.0	61.2
United States	7045	20.2	13.3	6.1	59.4	1.0	59.4	0.1	0.1	0.8	60.4	58.5
INTERNATIONAL AVG	.	17.2	10.9	7.1	62.7	2.0	62.7	0.4	0.1	1.6	62.8	62.8

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: A04 KEY: D
 Solve word problem using proportions: $4/3 = 12/?$ (Proportionality)
 Difficulty: 542

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	7228	16.1	7.5	20.0	56.1	0.4	56.1	0.0	0.1	0.3	50.1	62.0
Austria	2771	7.7	4.5	27.3	60.0	0.5	60.0	0.1	0.1	0.4	51.8	68.1
Belgium (Fl)	2893	10.7	4.2	12.5	72.0	0.6	72.0	0.0	0.0	0.6	66.5	77.4
Belgium (Fr)	2585	17.6	6.3	17.5	57.6	0.9	57.6	0.1	0.1	0.7	52.5	62.7
Bulgaria	1973	8.7	7.7	24.1	57.3	2.2	57.3	0.1	0.0	2.1	56.4	58.6
Canada	8334	15.9	8.3	21.1	54.2	0.5	54.2	0.0	0.0	0.4	48.8	59.9
Colombia	2649	11.9	8.8	37.9	38.0	3.4	38.0	0.3	1.6	1.5	33.9	42.4
Cyprus	2923	15.7	11.3	23.6	48.4	0.9	48.4	0.0	0.1	0.8	44.3	52.3
Czech Republic	3324	6.0	5.1	27.1	61.4	0.4	61.4	0.0	0.0	0.4	54.2	68.4
Denmark	2292	6.5	2.7	17.5	72.5	0.8	72.5	0.0	0.1	0.6	69.1	76.3
England	1757	13.6	11.5	30.2	44.4	0.4	44.4	0.0	0.1	0.3	37.7	50.5
France	2994	18.3	8.7	24.1	48.6	0.3	48.6	0.0	0.0	0.3	44.3	53.3
Germany	2862	7.7	4.5	23.4	62.6	1.8	62.6	0.2	0.1	1.5	57.4	67.8
Greece	3974	16.4	15.2	31.2	36.1	1.1	36.1	0.1	0.0	0.9	28.6	43.1
Hong Kong	3338	17.0	6.0	11.1	65.7	0.3	65.7	0.0	0.0	0.3	60.7	69.8
Hungary	2912	8.6	8.8	34.7	47.0	1.0	47.0	0.0	0.1	0.9	41.2	53.1
Iceland	1763	6.2	4.9	28.0	60.5	0.5	60.5	0.0	0.1	0.4	54.3	66.3
Iran, Islamic Rep.	3692	15.2	7.1	19.6	57.5	0.7	57.5	0.0	0.0	0.7	48.8	64.3
Ireland	3071	14.7	7.3	19.8	57.8	0.5	57.8	0.2	0.1	0.3	50.9	64.6
Israel	1415	15.4	7.6	22.8	53.2	1.1	53.2	0.0	0.5	0.6	45.0	63.3
Japan	5137	3.1	2.0	21.6	73.2	0.1	73.2	0.0	0.0	0.1	65.4	80.5
Korea	2920	25.6	7.7	15.1	51.6	0.0	51.6	0.0	0.0	0.0	49.8	53.1
Kuwait	1655	18.5	12.7	27.9	38.8	2.1	38.8	0.0	0.0	2.1	37.4	40.2
Latvia (LSS)	2405	7.9	6.9	33.0	51.5	0.7	51.5	0.0	0.1	0.6	41.9	61.9
Lithuania	2514	8.8	6.5	28.3	55.1	1.3	55.1	0.1	0.0	1.2	49.1	62.3
Netherlands	1984	14.2	5.5	14.2	65.9	0.2	65.9	0.0	0.0	0.2	61.2	70.5
New Zealand	3665	14.0	8.4	28.3	49.1	0.2	49.1	0.0	0.0	0.2	41.2	56.4
Norway	3259	10.2	5.1	26.2	57.9	0.6	57.9	0.0	0.0	0.5	52.2	63.7
Philippines	5992	15.5	12.7	27.2	44.1	0.5	44.1	0.0	0.0	0.4	41.8	47.0
Portugal	3376	15.0	12.6	35.0	36.6	0.9	36.6	0.0	0.0	0.8	29.7	43.2
Romania	3717	15.3	8.2	26.9	47.6	1.9	47.6	0.2	0.0	1.7	46.3	49.0
Russian Federation	4020	2.1	2.0	33.7	61.3	0.9	61.3	0.0	0.1	0.8	53.1	70.7
Scotland	2853	13.1	10.8	32.2	43.5	0.3	43.5	0.1	0.0	0.3	34.4	52.0
Singapore	4644	8.3	1.8	8.6	81.2	0.1	81.2	0.0	0.0	0.1	80.4	82.1
Slovak Republic	3499	9.0	5.1	26.3	58.6	1.0	58.6	0.1	0.0	0.9	54.4	63.0
Slovenia	2706	11.4	6.7	25.3	55.9	0.6	55.9	0.0	0.0	0.6	49.9	62.1
South Africa	4491	12.6	8.2	22.0	54.6	2.7	54.6	0.3	0.1	2.3	54.1	55.4
Spain	3849	12.8	10.0	34.0	42.7	0.5	42.7	0.0	0.0	0.5	36.0	49.7
Sweden	4048	7.6	5.2	24.2	62.5	0.5	62.5	0.0	0.1	0.3	56.1	68.4
Switzerland	4854	6.2	2.9	18.6	71.6	0.6	71.6	0.0	0.0	0.5	66.5	76.5
Thailand	5850	8.2	6.1	24.8	60.6	0.3	60.6	0.0	0.0	0.3	60.5	61.1
United States	7045	12.7	10.5	30.3	45.7	0.8	45.7	0.0	0.1	0.7	38.5	52.8
INTERNATIONAL AVG	.	12.0	7.3	24.7	55.3	0.8	55.3	0.0	0.1	0.7	49.9	60.6

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: A05 KEY: B
 Identify congruent triangles in a rectangle. (Geometry)
 Difficulty: 517

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	7228	9.0	49.9	20.2	17.2	3.7	49.9	0.0	0.1	3.6	50.7	49.1
Austria	2770	7.8	55.6	18.5	11.3	6.8	55.6	0.8	0.1	6.0	56.4	54.6
Belgium (Fl)	2893	5.3	65.0	16.2	9.0	4.5	65.0	0.0	0.0	4.5	65.8	64.1
Belgium (Fr)	2585	4.8	75.1	9.8	4.8	5.5	75.1	0.7	0.1	4.7	80.5	70.1
Bulgaria	1973	3.1	80.4	6.2	4.1	6.3	80.4	4.0	0.0	2.3	81.3	79.4
Canada	8334	8.3	59.5	19.1	10.9	2.2	59.5	1.0	0.0	1.2	61.9	57.3
Colombia	2649	11.0	30.0	24.0	19.4	15.6	30.0	1.1	1.6	12.9	28.6	31.7
Cyprus	2923	6.5	74.7	10.7	5.3	2.8	74.7	0.8	0.1	1.9	77.2	72.5
Czech Republic	3324	2.8	83.1	6.1	6.1	1.9	83.1	1.1	0.0	0.8	84.4	81.8
Denmark	2292	9.0	58.7	14.2	6.2	12.0	58.7	2.0	0.1	9.9	60.0	57.8
England	1757	8.8	39.2	25.5	19.6	6.9	39.2	0.0	0.1	6.8	40.2	38.3
France	2994	3.2	79.7	8.3	5.6	3.3	79.7	1.0	0.0	2.3	81.9	77.9
Germany	2862	7.5	50.9	17.4	9.8	14.4	50.9	2.9	0.1	11.5	54.1	48.4
Greece	3975	5.7	65.4	14.2	8.7	6.0	65.4	3.9	0.0	2.1	64.9	66.0
Hong Kong	3338	8.1	73.7	11.0	6.9	0.4	73.7	0.1	0.0	0.3	70.6	76.3
Hungary	2911	8.0	48.8	19.1	16.4	7.6	48.8	0.0	0.1	7.6	50.0	47.6
Iceland	1763	9.1	51.5	23.1	11.9	4.4	51.5	0.9	0.1	3.5	55.6	47.6
Iran, Islamic Rep.	3692	10.5	52.4	20.4	14.2	2.5	52.4	0.7	0.0	1.8	50.0	54.1
Ireland	3071	9.5	44.2	24.0	18.0	4.3	44.2	1.7	0.1	2.6	42.5	45.9
Israel	1415	6.4	71.2	11.3	7.7	3.5	71.2	0.1	0.5	2.9	69.6	73.6
Japan	5137	5.3	81.7	6.2	6.2	0.6	81.7	0.5	0.0	0.1	82.8	80.8
Korea	2920	2.8	88.0	5.6	3.6	0.0	88.0	0.0	0.0	0.0	86.7	89.0
Kuwait	1655	10.8	40.1	21.6	23.2	4.2	40.1	0.0	0.0	4.2	41.6	38.7
Latvia (LSS)	2405	4.6	77.6	8.7	6.3	2.8	77.6	0.0	0.1	2.7	80.5	74.4
Lithuania	2514	4.3	77.0	8.5	6.4	3.8	77.0	0.8	0.0	3.0	78.3	75.5
Netherlands	1984	6.9	70.6	13.1	7.9	1.5	70.6	0.3	0.0	1.2	72.9	68.0
New Zealand	3665	9.9	46.0	23.9	17.8	2.5	46.0	0.9	0.0	1.6	48.8	43.3
Norway	3259	8.3	53.1	21.0	10.9	6.7	53.1	0.0	0.0	6.7	53.6	52.5
Philippines	5992	14.1	42.1	25.3	18.0	0.5	42.1	0.1	0.0	0.5	42.0	42.2
Portugal	3375	9.8	58.7	15.9	10.4	5.2	58.7	0.0	0.0	5.2	56.9	60.4
Romania	3716	4.7	70.2	10.2	8.1	6.9	70.2	3.1	0.0	3.8	70.7	69.6
Russian Federation	4021	3.6	76.8	9.6	6.4	3.5	76.8	1.2	0.1	2.2	78.8	74.5
Scotland	2853	9.9	42.0	25.0	16.8	6.3	42.0	3.1	0.0	3.2	42.0	42.1
Singapore	4644	7.1	76.0	8.5	7.8	0.6	76.0	0.0	0.0	0.6	76.1	76.0
Slovak Republic	3499	5.0	74.9	7.7	9.5	2.9	74.9	1.5	0.0	1.4	76.2	73.5
Slovenia	2706	5.5	69.7	13.1	8.6	3.2	69.7	1.7	0.0	1.5	71.8	67.6
South Africa	4491	14.9	28.7	29.7	20.8	5.8	28.7	1.3	0.2	4.3	29.2	28.1
Spain	3849	6.6	69.3	13.9	6.7	3.4	69.3	0.0	0.0	3.4	70.0	68.5
Sweden	4048	9.0	56.3	21.2	10.0	3.4	56.3	0.5	0.1	2.7	59.5	53.2
Switzerland	4854	7.4	59.0	15.0	10.9	7.7	59.0	3.1	0.0	4.6	59.3	58.8
Thailand	5850	6.3	77.2	9.7	6.3	0.4	77.2	0.0	0.0	0.4	78.3	75.5
United States	7045	9.8	54.0	19.6	15.4	1.2	54.0	0.1	0.1	1.0	55.0	53.0
INTERNATIONAL AVG	.	7.4	61.9	15.5	10.7	4.5	61.9	1.0	0.1	3.4	62.8	60.9

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: A06 KEY: C
 Find difference between the means of two sets of data. (Data Rep., Analysis & Prob.)
 Difficulty: 426

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	7228	2.6	5.4	73.6	8.9	8.4	1.1	73.6	0.0	0.1	1.0	77.1	70.3
Austria	2772	3.1	1.8	80.5	9.3	4.4	0.8	80.5	0.1	0.1	0.7	80.2	80.4
Belgium (Fl)	2893	2.1	2.8	81.9	5.5	6.8	0.9	81.9	0.0	0.0	0.9	83.9	79.8
Belgium (Fr)	2578	1.5	3.3	75.8	7.6	8.8	3.2	75.8	0.1	0.1	3.0	76.4	75.6
Bulgaria	1973	1.0	2.8	87.4	3.5	4.1	1.2	87.4	0.0	0.0	1.1	89.3	85.5
Canada	8334	2.0	4.1	78.0	6.2	9.3	0.6	78.0	0.0	0.0	0.5	80.6	75.5
Colombia	2649	3.6	8.0	70.1	5.1	8.6	4.7	70.1	0.2	1.9	2.6	71.7	68.3
Cyprus	2923	3.0	4.4	70.2	12.2	8.4	1.8	70.2	0.1	0.1	1.6	70.6	69.9
Czech Republic	3317	1.3	1.7	88.0	5.0	3.3	0.8	88.0	0.1	0.0	0.7	88.3	87.6
Denmark	2292	3.5	3.8	75.0	7.8	6.4	3.6	75.0	0.1	0.1	3.4	76.7	74.1
England	1757	3.0	5.7	67.5	12.9	10.4	0.5	67.5	0.0	0.1	0.5	67.9	67.1
France	2994	1.4	2.9	84.0	4.6	6.4	0.8	84.0	0.1	0.0	0.7	84.0	84.1
Germany	2862	2.6	3.2	74.3	10.7	6.6	2.6	74.3	0.2	0.1	2.4	74.8	74.5
Greece	3974	2.0	3.6	77.2	7.9	7.5	1.8	77.2	0.0	0.0	1.7	77.4	77.0
Hong Kong	3333	1.2	2.6	87.3	3.3	4.9	0.7	87.3	0.0	0.0	0.7	87.3	87.3
Hungary	2911	2.4	2.4	79.8	6.9	6.4	2.2	79.8	0.0	0.1	2.1	82.3	77.2
Iceland	1763	4.1	5.5	70.9	8.6	9.6	1.3	70.9	0.1	0.1	1.1	76.8	65.3
Iran, Islamic Rep.	3692	4.1	4.5	76.1	7.2	7.2	0.9	76.1	0.1	0.0	0.7	76.8	75.4
Ireland	3071	1.5	1.3	86.8	4.2	5.7	0.6	86.8	0.1	0.1	0.5	88.4	85.1
Israel	1413	1.5	3.5	81.6	3.6	8.2	1.5	81.6	0.0	0.5	1.0	84.6	80.4
Japan	5137	1.7	2.9	86.8	3.7	4.8	0.2	86.8	0.0	0.0	0.1	88.2	85.4
Korea	2920	1.4	1.9	90.5	2.6	3.6	0.0	90.5	0.0	0.0	0.0	90.1	90.8
Kuwait	1655	5.0	6.9	56.2	18.3	10.4	3.2	56.2	0.0	0.1	3.2	53.6	58.7
Latvia (LSS)	2409	2.8	3.7	72.2	9.9	9.0	2.3	72.2	0.0	0.2	2.1	73.6	70.7
Lithuania	2514	1.3	2.2	82.8	5.0	5.4	3.2	82.8	0.1	0.1	3.1	84.2	81.0
Netherlands	1984	3.1	4.4	74.5	8.0	9.4	0.6	74.5	0.0	0.0	0.6	73.5	75.7
New Zealand	3666	2.8	4.6	68.6	12.4	11.0	0.6	68.6	0.1	0.0	0.5	70.4	66.8
Norway	3258	2.9	4.4	71.1	12.0	8.0	1.5	71.1	0.0	0.0	1.5	72.9	69.3
Philippines	5993	5.7	5.9	67.2	11.7	8.9	0.5	67.2	0.0	0.0	0.5	70.3	63.5
Portugal	3376	2.5	4.8	73.9	7.0	10.2	1.6	73.9	0.0	0.0	1.6	73.3	74.6
Romania	3720	1.3	2.8	82.2	5.6	5.8	2.3	82.2	0.2	0.0	2.0	82.8	81.7
Russian Federation	4021	1.7	2.3	79.7	8.2	6.0	2.1	79.7	0.1	0.1	1.9	81.4	77.7
Scotland	2853	2.1	3.3	72.5	11.0	10.3	0.7	72.5	0.0	0.0	0.7	72.5	72.6
Singapore	4644	0.6	0.8	93.5	2.3	2.7	0.2	93.5	0.0	0.0	0.2	94.2	92.7
Slovak Republic	3499	0.6	1.5	88.7	4.3	3.7	1.3	88.7	0.2	0.0	1.0	88.9	88.4
Slovenia	2705	1.9	2.6	83.1	5.6	5.9	0.9	83.1	0.0	0.0	0.9	84.8	81.3
South Africa	4491	8.4	8.7	48.8	19.7	11.9	2.5	48.8	0.5	0.2	1.8	49.1	49.1
Spain	3849	2.2	3.4	82.4	4.7	6.5	0.8	82.4	0.0	0.0	0.8	82.4	82.3
Sweden	4048	3.4	4.6	73.6	9.5	7.9	1.0	73.6	0.0	0.1	0.8	74.7	72.5
Switzerland	4854	2.2	2.3	83.0	7.5	4.0	1.0	83.0	0.1	0.0	0.9	85.2	81.0
Thailand	5850	2.5	2.9	82.2	5.6	5.6	1.2	82.2	0.0	0.0	1.2	83.2	80.4
United States	7045	2.5	4.6	75.5	7.0	9.0	1.5	75.5	0.0	0.2	1.4	77.9	73.2
INTERNATIONAL AVG	.	2.5	3.7	77.5	7.7	7.2	1.4	77.5	0.1	0.1	1.3	78.6	76.4

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: B07 KEY: D
 Interpret line graph to find region of largest increase. (Data Rep., Analysis & Prob.)
 Difficulty: 498

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	3605	8.2	7.3	13.0	71.1	0.4	71.1	0.0	0.1	0.3	73.8	68.5
Austria	1403	7.9	3.9	11.2	74.7	2.2	74.7	0.0	0.1	2.1	78.0	71.1
Belgium (Fl)	1433	14.2	5.8	16.2	63.4	0.4	63.4	0.0	0.0	0.4	65.4	61.5
Belgium (Fr)	1299	13.5	7.0	19.2	58.3	2.0	58.3	0.5	0.1	1.3	61.3	55.8
Bulgaria	1148	12.9	3.5	15.1	65.4	3.2	65.4	1.3	0.0	1.8	66.8	64.0
Canada	4144	9.9	8.8	11.3	69.4	0.5	69.4	0.3	0.0	0.3	73.3	66.6
Colombia	1329	32.9	4.6	19.3	36.7	6.5	36.7	1.1	1.1	4.3	37.7	35.8
Cyprus	1422	33.8	6.1	17.2	39.6	3.2	39.6	0.2	0.0	2.9	42.9	36.9
Czech Republic	1668	24.7	3.3	9.4	61.0	1.6	61.0	0.7	0.1	0.8	59.2	62.7
Denmark	1136	6.2	8.1	12.7	69.5	3.5	69.5	1.4	0.3	1.7	68.3	70.5
England	888	7.2	5.3	13.7	73.1	0.7	73.1	0.0	0.0	0.7	74.0	72.2
France	1479	6.6	4.1	13.2	75.5	0.6	75.5	0.1	0.0	0.5	76.8	74.3
Germany	1436	8.1	4.5	15.5	68.1	3.7	68.1	1.8	0.2	1.8	68.9	67.5
Greece	1993	13.8	3.2	20.5	61.3	1.2	61.3	0.2	0.0	0.9	63.1	59.7
Hong Kong	1670	5.0	7.5	6.3	80.9	0.2	80.9	0.0	0.1	0.2	81.7	80.3
Hungary	1435	10.8	6.8	16.0	64.3	2.1	64.3	0.0	0.1	2.0	64.2	64.4
Iceland	875	7.2	10.6	9.4	71.6	1.2	71.6	0.8	0.0	0.5	73.2	70.1
Iran, Islamic Rep.	1833	27.7	5.7	44.2	20.2	2.2	20.2	0.1	0.0	2.0	19.4	20.7
Ireland	1526	9.6	5.6	12.9	71.2	0.7	71.2	0.5	0.0	0.3	72.5	69.9
Israel	686	18.1	6.1	16.2	57.4	2.1	57.4	0.0	0.4	1.7	56.8	58.6
Japan	2571	2.3	4.7	4.5	88.4	0.1	88.4	0.0	0.0	0.1	89.4	87.5
Korea	1448	4.8	2.4	4.3	88.4	0.0	88.4	0.0	0.0	0.0	88.9	88.0
Kuwait	811	38.1	6.6	22.9	29.1	3.2	29.1	0.0	0.2	3.0	31.1	27.2
Latvia (LSS)	1198	11.7	5.8	18.7	57.2	6.6	57.2	0.0	0.1	6.5	60.8	53.4
Lithuania	1252	20.9	3.0	13.3	56.1	6.7	56.1	1.5	0.1	5.2	58.5	53.0
Netherlands	984	3.4	9.1	10.4	76.9	0.2	76.9	0.0	0.0	0.2	76.8	76.7
New Zealand	1848	8.3	8.3	9.9	73.2	0.3	73.2	0.2	0.0	0.1	74.8	71.7
Norway	1619	6.1	8.3	11.2	72.6	1.8	72.6	0.0	0.0	1.8	71.0	74.1
Philippines	2992	28.7	6.1	25.2	39.4	0.6	39.4	0.1	0.1	0.4	41.4	37.0
Portugal	1695	16.7	4.7	17.6	59.2	1.8	59.2	0.0	0.2	1.6	60.0	58.3
Romania	1861	17.8	8.6	30.7	35.9	7.0	35.9	3.0	0.1	3.8	36.0	35.7
Russian Federation	1983	8.4	4.0	13.2	71.4	2.9	71.4	0.4	0.5	2.1	72.8	69.8
Scotland	1435	7.1	7.2	17.5	67.6	0.6	67.6	0.4	0.0	0.2	67.4	67.9
Singapore	2331	3.5	4.6	3.4	88.5	0.1	88.5	0.0	0.0	0.1	89.4	87.6
Slovak Republic	1747	17.4	2.0	13.8	64.7	2.1	64.7	1.3	0.0	0.9	64.2	65.2
Slovenia	1340	9.4	3.6	11.2	75.3	0.4	75.3	0.2	0.0	0.3	74.0	76.6
South Africa	2215	38.1	8.8	24.1	26.2	2.8	26.2	0.5	0.5	1.9	26.1	26.3
Spain	1902	25.2	2.1	11.3	60.0	1.5	60.0	0.0	0.2	1.4	62.3	57.5
Sweden	1992	8.0	7.4	11.0	72.8	0.8	72.8	0.2	0.1	0.5	72.7	72.6
Switzerland	2438	8.5	3.4	9.6	76.9	1.6	76.9	0.5	0.1	1.0	75.7	78.1
Thailand	2889	19.7	3.9	10.4	65.6	0.6	65.6	0.0	0.1	0.5	68.0	61.6
United States	3534	9.3	9.0	10.9	70.0	0.9	70.0	0.1	0.1	0.7	70.3	69.7
INTERNATIONAL AVG	.	14.1	5.7	14.7	63.5	1.9	63.5	0.4	0.1	1.4	64.5	62.6

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: B08 KEY: A
 Solve word problem using proportions: 300 calories/100g = ?/30g. (Proportionality)
 Difficulty: 468

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	3605	65.5	25.4	4.7	2.0	1.5	0.9	65.5	0.0	0.1	0.8	65.7	65.2
Austria	1403	77.0	16.7	3.1	1.0	1.2	1.0	77.0	0.0	0.1	0.9	78.0	76.3
Belgium (Fl)	1433	68.5	22.6	4.0	2.8	1.5	0.6	68.5	0.0	0.0	0.6	69.5	67.5
Belgium (Fr)	1299	71.8	19.4	3.9	1.4	1.1	2.4	71.8	0.1	0.1	2.2	70.5	73.4
Bulgaria	1148	74.6	15.6	2.4	2.8	1.6	3.1	74.6	0.3	0.0	2.8	75.7	73.5
Canada	4144	71.2	20.6	4.1	1.4	1.3	1.3	71.2	0.0	0.0	1.3	72.5	70.0
Colombia	1329	63.4	13.1	8.5	3.4	4.1	7.4	63.4	0.6	1.4	5.4	65.8	60.9
Cyprus	1422	71.9	13.6	5.6	2.7	4.7	1.6	71.9	0.2	0.0	1.5	77.4	66.9
Czech Republic	1668	77.8	13.9	2.9	1.9	2.8	0.7	77.8	0.0	0.1	0.6	79.5	76.0
Denmark	1136	65.1	25.1	3.1	1.5	1.5	3.7	65.1	0.2	0.6	3.0	65.0	65.1
England	888	68.9	25.0	3.4	1.4	0.5	0.8	68.9	0.0	0.0	0.8	67.8	69.8
France	1479	70.1	19.7	4.2	2.6	1.5	1.9	70.1	0.0	0.0	1.9	67.1	73.3
Germany	1436	65.8	25.3	3.0	1.2	1.4	3.3	65.8	0.1	0.3	2.9	66.7	64.9
Greece	1993	69.0	15.6	5.5	4.2	2.1	3.6	69.0	0.1	0.0	3.5	71.1	67.2
Hong Kong	1670	82.3	10.6	3.7	2.0	0.6	0.7	82.3	0.0	0.1	0.7	83.5	81.3
Hungary	1435	71.8	19.9	2.8	2.3	1.1	2.1	71.8	0.0	0.3	1.8	71.2	72.5
Iceland	875	61.1	29.6	5.6	2.5	0.9	0.3	61.1	0.0	0.1	0.3	58.0	63.9
Iran, Islamic Rep.	1833	68.8	7.5	8.8	4.2	10.3	0.4	68.8	0.0	0.0	0.4	67.2	70.0
Ireland	1526	75.2	17.2	3.1	1.7	2.2	0.6	75.2	0.1	0.0	0.5	73.4	76.9
Israel	685	74.7	17.9	2.1	1.1	1.6	2.5	74.7	0.0	0.6	2.0	73.5	77.5
Japan	2571	63.4	20.2	9.0	3.6	3.6	0.2	63.4	0.0	0.0	0.2	61.7	64.9
Korea	1448	84.4	8.2	4.4	1.8	1.2	0.0	84.4	0.0	0.0	0.0	84.0	84.7
Kuwait	811	44.2	15.2	16.1	7.6	12.5	4.4	44.2	0.0	0.3	4.1	44.3	44.2
Latvia (LSS)	1198	69.4	21.5	4.4	0.9	1.3	2.6	69.4	0.0	0.4	2.2	66.1	72.7
Lithuania	1251	52.2	19.7	6.7	1.7	13.5	6.2	52.2	0.5	0.2	5.5	54.1	49.7
Netherlands	984	67.2	24.8	3.8	1.6	1.7	0.9	67.2	0.0	0.0	0.9	64.3	69.8
New Zealand	1848	67.3	23.4	5.0	2.4	1.4	0.5	67.3	0.1	0.0	0.4	67.8	66.9
Norway	1619	62.8	26.7	5.1	2.5	1.7	1.2	62.8	0.0	0.0	1.2	64.0	61.6
Philippines	2992	45.0	17.3	16.6	8.2	12.1	0.8	45.0	0.0	0.1	0.7	47.3	42.2
Portugal	1695	68.9	15.3	6.8	3.6	2.8	2.6	68.9	0.0	0.3	2.3	66.9	71.0
Romania	1866	74.8	8.3	6.0	2.3	4.5	4.1	74.8	0.3	0.2	3.6	75.1	74.5
Russian Federation	1982	79.6	11.0	3.8	1.6	1.6	2.4	79.6	0.0	0.5	1.9	82.1	76.7
Scotland	1435	66.6	26.1	3.8	1.5	1.3	0.7	66.6	0.0	0.0	0.7	64.2	68.7
Singapore	2331	91.2	5.6	1.6	1.2	0.3	0.2	91.2	0.0	0.0	0.2	91.7	90.8
Slovak Republic	1746	80.3	10.2	3.9	2.2	2.1	1.3	80.3	0.1	0.0	1.1	80.5	80.1
Slovenia	1340	79.2	13.0	3.5	2.0	1.3	1.0	79.2	0.1	0.0	0.9	80.5	77.8
South Africa	2215	38.9	18.3	18.6	9.6	10.7	3.9	38.9	0.5	0.6	2.8	35.3	43.0
Spain	1902	75.5	14.1	3.6	2.5	2.5	1.8	75.5	0.0	0.2	1.6	75.5	75.4
Sweden	1992	52.3	26.3	11.6	6.2	1.7	1.9	52.3	0.1	0.1	1.7	49.6	55.0
Switzerland	2438	74.9	19.5	2.3	1.0	1.0	1.3	74.9	0.0	0.1	1.2	77.6	72.3
Thailand	2889	81.7	9.4	2.5	2.3	2.6	1.5	81.7	0.0	0.1	1.5	83.1	79.7
United States	3534	69.6	18.8	4.8	2.9	2.6	1.3	69.6	0.0	0.1	1.2	68.8	70.2
INTERNATIONAL AVG	.	69.1	17.8	5.4	2.7	3.0	1.9	69.1	0.1	0.2	1.7	69.1	69.1

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: B09 KEY: A
 Identify shaded figure which shows $2/5 = 4/10$. (Fractions and number sense)
 Difficulty: 523

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	3605	65.6	9.3	7.6	14.4	3.1	65.6	0.0	0.1	3.0	66.5	64.7
Austria	1403	51.9	15.7	17.9	6.1	8.4	51.9	0.0	0.1	8.3	51.6	53.0
Belgium (Fl)	1433	74.4	7.4	6.5	10.1	1.5	74.4	0.1	0.0	1.5	77.8	71.1
Belgium (Fr)	1299	66.2	7.2	7.4	10.2	9.0	66.2	2.3	0.1	6.7	70.3	63.1
Bulgaria	1148	62.9	8.9	13.5	7.6	7.1	62.9	1.1	0.0	6.0	66.5	59.3
Canada	4144	68.4	7.3	3.3	18.3	2.7	68.4	1.0	0.0	1.7	70.9	66.1
Colombia	1329	45.0	13.8	15.8	12.5	12.9	45.0	2.0	1.5	9.4	50.2	39.3
Cyprus	1422	55.4	10.0	10.1	15.8	8.7	55.4	3.7	0.0	5.0	61.3	50.2
Czech Republic	1668	51.5	15.4	20.5	6.0	6.6	51.5	1.7	0.1	4.8	50.7	52.3
Denmark	1136	59.0	7.0	6.2	16.1	11.7	59.0	4.9	0.6	6.2	62.9	55.4
England	888	59.6	12.5	11.9	12.9	3.2	59.6	0.0	0.0	3.2	63.2	56.3
France	1479	64.1	11.3	9.4	10.5	4.7	64.1	2.2	0.0	2.5	65.3	62.8
Germany	1436	53.3	11.2	15.8	8.7	10.9	53.3	3.5	0.3	7.1	53.4	53.4
Greece	1993	52.8	8.7	11.0	15.1	12.3	52.8	6.0	0.0	6.2	55.1	50.8
Hong Kong	1670	80.2	4.5	3.3	7.3	4.7	80.2	0.2	0.1	4.4	80.9	79.7
Hungary	1434	51.2	10.4	21.8	5.2	11.4	51.2	0.0	0.3	11.1	51.3	51.2
Iceland	875	52.1	11.4	6.2	22.6	7.6	52.1	4.5	0.1	3.0	53.0	51.2
Iran, Islamic Rep.	1833	57.6	9.9	12.2	11.8	8.6	57.6	2.5	0.0	6.1	58.8	56.8
Ireland	1526	57.6	14.6	12.0	9.9	5.8	57.6	3.7	0.0	2.1	59.9	55.4
Israel	685	66.7	12.7	8.3	7.4	4.8	66.7	0.0	0.7	4.1	68.4	65.7
Japan	2571	81.5	5.5	7.4	4.2	1.3	81.5	0.7	0.0	0.7	82.3	80.9
Korea	1448	81.4	4.0	6.4	7.9	0.3	81.4	0.0	0.0	0.3	81.1	81.7
Kuwait	811	27.7	13.4	21.5	21.1	16.2	27.7	0.0	0.3	15.9	33.2	22.3
Latvia (LSS)	1198	48.5	11.1	20.3	9.7	10.4	48.5	0.0	0.4	10.0	48.1	48.8
Lithuania	1252	45.9	10.9	18.3	10.6	14.3	45.9	2.0	0.4	11.9	48.1	43.0
Netherlands	984	65.2	13.3	10.1	8.7	2.6	65.2	0.2	0.0	2.4	67.5	62.5
New Zealand	1848	60.8	11.7	6.9	17.3	3.3	60.8	2.1	0.0	1.2	61.4	60.2
Norway	1619	50.8	10.1	8.7	21.2	9.3	50.8	0.0	0.0	9.3	55.1	46.5
Philippines	2992	62.6	12.1	8.7	14.3	2.3	62.6	0.0	0.1	2.2	65.8	58.6
Portugal	1695	39.4	17.8	19.7	12.3	10.9	39.4	0.0	0.3	10.5	42.0	36.6
Romania	1863	43.5	9.7	15.8	8.2	22.7	43.5	10.9	0.2	11.6	43.2	43.9
Russian Federation	1982	62.7	9.0	13.6	7.0	7.7	62.7	0.9	0.6	6.2	65.0	60.0
Scotland	1435	51.8	18.1	9.8	17.3	3.1	51.8	1.5	0.0	1.5	52.7	51.1
Singapore	2331	84.7	3.2	3.0	8.6	0.5	84.7	0.0	0.0	0.5	84.7	84.7
Slovak Republic	1746	53.4	14.1	18.1	6.1	8.3	53.4	2.9	0.0	5.3	55.5	51.1
Slovenia	1340	62.4	13.2	11.5	7.1	5.7	62.4	2.0	0.0	3.7	63.6	61.2
South Africa	2215	32.4	13.8	15.7	18.7	19.4	32.4	4.4	0.6	14.4	32.2	33.0
Spain	1902	58.9	9.7	8.7	16.0	6.8	58.9	0.0	0.3	6.5	63.5	53.9
Sweden	1992	64.5	10.3	6.5	14.4	4.2	64.5	2.3	0.1	1.7	69.9	59.4
Switzerland	2438	63.9	7.8	11.2	9.3	7.8	63.9	4.1	0.1	3.6	64.1	63.6
Thailand	2889	72.8	7.1	5.1	13.5	1.6	72.8	0.0	0.1	1.5	73.7	71.7
United States	3534	60.5	12.1	7.7	17.4	2.4	60.5	0.2	0.1	2.1	62.1	59.0
INTERNATIONAL AVG	.	58.8	10.6	11.3	11.9	7.3	58.8	1.8	0.2	5.4	60.8	56.9

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: B10 KEY: E
 Identify smallest of decimal fractions. (Fractions and number sense)
 Difficulty: 560

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	3605	26.9	3.3	1.5	14.2	53.2	0.9	53.2	0.0	0.1	0.8	48.6	57.8
Austria	1403	22.2	1.8	0.9	6.3	68.0	0.9	68.0	0.0	0.1	0.8	57.7	78.6
Belgium (Fl)	1433	27.1	1.2	0.5	5.7	65.5	0.1	65.5	0.0	0.0	0.1	60.8	70.1
Belgium (Fr)	1299	29.4	1.8	0.9	7.9	58.7	1.2	58.7	0.0	0.1	1.1	52.5	64.4
Bulgaria	1148	28.3	1.3	1.5	16.2	51.6	1.1	51.6	0.1	0.0	1.0	52.0	51.6
Canada	4144	22.1	2.8	1.1	15.3	57.5	1.2	57.5	0.0	0.0	1.1	54.9	60.5
Colombia	1329	14.8	1.5	0.6	68.6	8.8	5.7	8.8	0.8	1.8	3.1	10.1	7.5
Cyprus	1422	47.2	5.2	3.5	18.4	24.6	1.1	24.6	0.4	0.0	0.8	21.5	27.4
Czech Republic	1668	20.2	2.1	0.3	13.4	63.6	0.3	63.6	0.0	0.3	0.1	59.8	67.3
Denmark	1136	18.7	6.2	0.6	17.8	54.5	2.3	54.5	0.2	0.6	1.5	44.6	63.9
England	888	20.4	5.5	1.1	25.8	47.0	0.3	47.0	0.0	0.0	0.3	43.3	50.5
France	1479	11.3	3.3	0.4	3.7	80.7	0.6	80.7	0.0	0.0	0.5	79.2	82.6
Germany	1436	13.7	2.7	0.7	5.8	75.4	1.7	75.4	0.1	0.3	1.3	71.2	80.2
Greece	1993	24.6	2.7	1.2	25.1	45.9	0.5	45.9	0.0	0.0	0.5	43.9	47.6
Hong Kong	1670	13.7	2.0	2.0	4.0	77.1	1.2	77.1	0.1	0.1	1.0	72.8	80.8
Hungary	1436	34.0	1.3	0.9	10.0	52.9	0.8	52.9	0.0	0.3	0.5	47.2	58.9
Iceland	875	8.1	8.9	0.9	12.4	68.8	0.8	68.8	0.2	0.1	0.6	68.5	69.2
Iran, Islamic Rep.	1833	48.9	15.7	3.4	20.8	10.9	0.4	10.9	0.0	0.0	0.3	11.2	10.7
Ireland	1526	32.1	2.6	1.4	14.6	48.4	0.8	48.4	0.2	0.0	0.6	40.3	56.2
Israel	685	45.5	2.9	1.5	11.0	35.6	3.5	35.6	0.1	0.7	2.7	25.1	47.3
Japan	2571	23.9	0.6	0.5	3.0	71.9	0.1	71.9	0.0	0.0	0.1	65.2	78.1
Korea	1448	12.7	1.0	1.1	3.8	81.4	0.1	81.4	0.0	0.0	0.1	77.8	84.5
Kuwait	811	16.4	4.4	4.9	69.5	4.0	0.7	4.0	0.0	0.3	0.4	2.2	5.8
Latvia (LSS)	1198	39.0	2.7	2.2	18.3	36.3	1.5	36.3	0.0	0.5	1.0	32.9	39.8
Lithuania	1252	22.9	1.2	0.5	17.9	55.5	2.1	55.5	0.5	0.4	1.1	54.6	56.7
Netherlands	984	29.4	1.6	1.1	5.2	62.3	0.4	62.3	0.0	0.0	0.4	53.4	71.0
New Zealand	1848	32.5	3.6	1.3	19.9	42.4	0.3	42.4	0.1	0.0	0.3	36.5	47.6
Norway	1619	15.4	6.2	0.6	11.8	65.1	0.9	65.1	0.0	0.0	0.9	60.8	69.2
Philippines	2992	17.6	4.0	3.1	59.3	15.7	0.2	15.7	0.0	0.1	0.1	16.2	15.3
Portugal	1695	42.5	1.4	1.6	25.3	27.8	1.4	27.8	0.0	0.4	1.0	20.3	35.4
Romania	1865	26.7	4.0	1.3	36.4	28.3	3.3	28.3	0.7	0.2	2.3	26.7	30.2
Russian Federation	1982	29.4	1.4	0.9	17.4	49.6	1.4	49.6	0.1	0.6	0.7	47.4	52.2
Scotland	1435	24.5	5.8	1.0	27.1	40.8	0.8	40.8	0.1	0.0	0.7	36.1	45.1
Singapore	2331	9.6	0.9	0.3	1.3	87.7	0.1	87.7	0.0	0.0	0.1	85.5	89.9
Slovak Republic	1746	17.1	2.5	0.1	15.2	64.4	0.7	64.4	0.1	0.0	0.5	63.1	65.8
Slovenia	1340	24.4	1.2	0.4	15.0	58.3	0.6	58.3	0.0	0.0	0.6	50.8	66.0
South Africa	2215	10.4	3.7	2.3	72.9	7.8	2.9	7.8	0.6	0.6	1.7	5.7	10.0
Spain	1902	32.9	10.1	1.6	18.6	35.7	1.1	35.7	0.0	0.3	0.8	30.0	41.7
Sweden	1992	13.7	5.4	0.9	8.3	71.2	0.5	71.2	0.0	0.2	0.4	66.2	75.9
Switzerland	2438	13.4	1.8	0.8	6.9	76.7	0.4	76.7	0.0	0.1	0.2	72.0	81.3
Thailand	2889	28.9	0.6	0.6	12.3	57.1	0.5	57.1	0.0	0.1	0.4	59.1	54.0
United States	3534	23.6	3.3	0.9	23.1	47.8	1.1	47.8	0.1	0.1	1.0	44.0	51.3
INTERNATIONAL AVG	.	24.2	3.4	1.3	19.2	50.9	1.1	50.9	0.1	0.2	0.8	46.9	54.8

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: B11 KEY: C
 Identify cube made by folding 2-dimensional net. (Geometry)
 Difficulty: 496

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	3605	7.8	14.9	72.5	3.8	1.1	72.5	0.0	0.1	1.0	71.5	73.4
Austria	1403	7.0	19.3	70.1	2.6	1.0	70.1	0.0	0.1	0.9	66.6	73.6
Belgium (Fl)	1433	6.4	11.6	78.0	3.4	0.6	78.0	0.0	0.0	0.6	80.2	75.9
Belgium (Fr)	1299	6.8	11.5	75.6	3.6	2.5	75.6	0.0	0.1	2.4	77.3	74.3
Bulgaria	1148	7.8	20.6	64.0	5.3	2.3	64.0	0.4	0.0	2.0	65.5	62.6
Canada	4144	6.5	17.8	70.5	3.6	1.5	70.5	0.4	0.0	1.1	71.4	69.9
Colombia	1329	32.4	23.8	29.3	7.5	7.0	29.3	0.9	1.9	4.3	28.4	30.4
Cyprus	1422	20.4	26.8	47.1	3.2	2.5	47.1	0.3	0.0	2.2	47.4	47.0
Czech Republic	1668	6.7	11.4	78.3	2.5	1.1	78.3	0.4	0.3	0.5	75.8	80.6
Denmark	1136	8.3	16.7	67.7	3.6	3.7	67.7	0.1	0.6	3.0	68.4	67.4
England	888	8.4	15.7	71.2	3.0	1.7	71.2	0.0	0.0	1.7	69.1	73.1
France	1479	5.4	12.5	77.3	3.7	1.0	77.3	0.2	0.0	0.9	75.4	80.3
Germany	1436	7.9	15.0	70.6	3.7	2.9	70.6	0.1	0.3	2.5	73.0	69.0
Greece	1992	16.5	31.0	47.0	4.0	1.5	47.0	0.4	0.0	1.1	46.2	47.7
Hong Kong	1669	4.4	7.5	84.0	2.9	1.2	84.0	0.0	0.1	1.1	80.2	87.1
Hungary	1436	7.7	19.9	67.4	3.3	1.7	67.4	0.0	0.3	1.4	62.7	72.2
Iceland	875	9.9	16.4	69.8	2.6	1.3	69.8	0.6	0.1	0.7	72.5	67.2
Iran, Islamic Rep.	1833	27.6	33.8	23.9	13.4	1.3	23.9	0.0	0.0	1.2	19.4	27.4
Ireland	1526	10.5	28.3	55.9	4.5	0.9	55.9	0.5	0.0	0.5	53.5	58.1
Israel	685	11.0	19.0	62.8	3.9	3.2	62.8	0.0	1.0	2.2	57.3	69.0
Japan	2571	1.7	5.4	91.2	1.5	0.3	91.2	0.1	0.0	0.2	90.5	91.8
Korea	1448	3.4	8.7	85.1	2.7	0.1	85.1	0.0	0.0	0.1	82.2	87.4
Kuwait	811	26.3	27.7	29.1	12.4	4.4	29.1	0.0	0.3	4.1	29.8	28.4
Latvia (LSS)	1197	8.6	15.8	69.9	4.2	1.5	69.9	0.0	0.5	1.0	68.3	71.6
Lithuania	1252	8.5	23.7	61.6	3.2	3.0	61.6	0.3	0.4	2.2	61.3	61.9
Netherlands	984	4.3	11.0	80.3	3.8	0.6	80.3	0.0	0.0	0.5	78.6	81.9
New Zealand	1848	7.5	15.4	72.2	4.0	0.9	72.2	0.4	0.0	0.5	69.6	74.5
Norway	1619	11.9	18.9	64.0	3.4	1.8	64.0	0.0	0.0	1.8	65.8	62.2
Philippines	2991	30.6	30.5	27.3	11.1	0.6	27.3	0.0	0.1	0.4	25.7	29.4
Portugal	1695	15.5	22.2	53.3	5.5	3.6	53.3	0.0	0.5	3.1	49.4	57.1
Romania	1862	20.6	22.0	43.9	6.4	7.1	43.9	3.2	0.2	3.7	42.0	46.0
Russian Federation	1982	9.6	19.2	64.4	3.1	3.6	64.4	0.6	0.6	2.4	64.1	64.7
Scotland	1435	8.1	19.0	67.0	3.7	2.1	67.0	1.1	0.0	1.1	65.0	69.0
Singapore	2331	3.5	8.5	84.7	2.9	0.4	84.7	0.0	0.0	0.4	81.3	88.0
Slovak Republic	1747	9.5	15.6	70.4	2.5	2.0	70.4	1.0	0.1	0.9	68.3	72.6
Slovenia	1339	12.3	19.7	65.1	1.6	1.2	65.1	0.2	0.0	1.1	62.5	67.8
South Africa	2215	31.8	20.5	16.6	22.1	9.0	16.6	0.4	0.6	8.0	14.3	19.0
Spain	1902	11.1	21.8	61.5	3.7	1.8	61.5	0.0	0.4	1.4	60.5	62.6
Sweden	1992	7.0	18.9	68.7	3.8	1.6	68.7	0.2	0.2	1.3	68.4	68.8
Switzerland	2438	4.6	11.2	79.6	3.2	1.4	79.6	0.2	0.1	1.1	78.9	80.2
Thailand	2889	8.4	21.5	63.3	5.9	0.8	63.3	0.0	0.1	0.8	62.7	64.5
United States	3534	10.0	20.7	63.4	4.6	1.3	63.4	0.1	0.1	1.1	60.4	66.1
INTERNATIONAL AVG	.	11.3	18.4	63.5	4.7	2.1	63.5	0.3	0.2	1.6	62.2	64.8

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: B12 KEY: A
 Identify algebraic equation to solve word problem: $7n+6=41$. (Algebra)
 Difficulty: 492

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	3605	71.3	3.4	13.3	11.2	0.8	71.3	0.0	0.1	0.7	74.2	68.5
Austria	1403	71.1	5.5	11.1	9.8	2.4	71.1	0.0	0.1	2.3	73.6	68.4
Belgium (Fl)	1433	78.1	3.2	6.5	10.1	2.1	78.1	0.1	0.0	2.0	81.2	75.1
Belgium (Fr)	1299	68.6	2.8	9.4	15.3	3.9	68.6	0.0	0.1	3.7	69.3	68.3
Bulgaria	1148	77.7	4.7	7.6	7.4	2.6	77.7	0.4	0.1	2.1	79.4	75.9
Canada	4144	74.5	3.4	10.3	10.5	1.2	74.5	0.0	0.0	1.2	77.2	72.2
Colombia	1329	28.2	7.1	26.1	30.3	8.3	28.2	1.0	2.0	5.3	29.8	26.3
Cyprus	1421	62.7	5.6	12.3	17.2	2.1	62.7	0.7	0.1	1.3	66.2	60.0
Czech Republic	1668	79.0	3.0	5.2	11.0	1.7	79.0	0.5	0.3	0.9	80.0	78.1
Denmark	1136	56.8	5.4	11.0	20.0	6.8	56.8	0.1	0.8	5.9	54.6	59.2
England	888	61.1	3.2	16.9	17.3	1.4	61.1	0.0	0.0	1.4	63.9	58.4
France	1479	79.1	2.4	6.4	10.7	1.4	79.1	0.2	0.0	1.2	77.8	80.6
Germany	1436	67.0	4.6	12.6	12.0	3.8	67.0	0.1	0.4	3.3	70.3	64.7
Greece	1993	71.7	2.9	10.1	13.6	1.6	71.7	0.1	0.2	1.4	73.5	70.1
Hong Kong	1669	89.9	2.6	2.8	4.3	0.4	89.9	0.0	0.1	0.3	89.5	90.3
Hungary	1436	80.8	2.0	4.4	10.5	2.2	80.8	0.0	0.3	1.9	82.1	79.5
Iceland	875	50.9	5.1	29.7	12.6	1.7	50.9	0.0	0.1	1.6	53.1	48.8
Iran, Islamic Rep.	1833	49.2	8.3	16.1	25.5	0.9	49.2	0.0	0.0	0.9	48.1	50.0
Ireland	1526	65.8	2.1	9.6	21.6	0.9	65.8	0.1	0.0	0.8	64.8	66.8
Israel	685	84.9	1.8	4.6	6.3	2.4	84.9	0.0	1.0	1.4	83.5	86.5
Japan	2571	88.1	1.6	4.4	5.7	0.2	88.1	0.1	0.0	0.1	89.6	86.7
Korea	1448	82.2	0.7	6.8	10.3	0.0	82.2	0.0	0.0	0.0	80.5	83.6
Kuwait	811	32.4	4.9	29.9	30.7	2.1	32.4	0.0	0.3	1.8	37.2	27.7
Latvia (LSS)	1196	66.0	3.3	11.1	15.2	4.5	66.0	0.0	0.5	4.0	70.6	61.2
Lithuania	1252	65.9	3.1	8.5	14.9	7.6	65.9	0.1	0.7	6.8	67.1	64.3
Netherlands	984	67.1	4.5	14.9	12.4	1.2	67.1	0.0	0.0	1.2	64.4	69.7
New Zealand	1848	57.4	3.3	16.6	22.1	0.7	57.4	0.2	0.0	0.5	59.1	55.8
Norway	1619	61.7	4.1	18.3	13.4	2.6	61.7	0.0	0.0	2.6	64.3	59.1
Philippines	2991	33.5	4.7	35.2	26.3	0.3	33.5	0.0	0.2	0.1	35.8	30.6
Portugal	1694	49.1	3.2	15.7	28.2	3.8	49.1	0.0	0.5	3.3	50.0	48.1
Romania	1862	68.6	2.7	11.0	11.5	6.1	68.6	1.1	0.4	4.7	70.2	66.9
Russian Federation	1983	82.9	1.6	4.2	8.1	3.2	82.9	0.1	0.8	2.3	87.2	77.8
Scotland	1435	55.6	3.8	19.1	20.4	1.1	55.6	0.3	0.0	0.8	57.2	54.1
Singapore	2331	94.0	0.8	1.1	3.9	0.2	94.0	0.0	0.0	0.2	94.9	93.1
Slovak Republic	1747	80.0	3.1	5.2	9.1	2.5	80.0	0.6	0.1	1.7	82.4	77.5
Slovenia	1339	84.7	0.9	5.6	8.0	0.9	84.7	0.2	0.0	0.7	84.6	84.7
South Africa	2215	25.4	5.6	39.9	25.5	3.6	25.4	0.3	0.7	2.6	25.7	25.0
Spain	1902	72.4	1.5	4.8	19.2	2.2	72.4	0.0	0.5	1.7	71.5	73.3
Sweden	1992	67.6	7.1	10.2	12.8	2.2	67.6	0.1	0.2	2.0	71.3	64.2
Switzerland	2438	63.8	6.3	12.4	15.3	2.2	63.8	0.0	0.2	2.0	64.6	62.9
Thailand	2889	76.0	2.3	6.3	15.1	0.3	76.0	0.0	0.1	0.3	78.4	72.1
United States	3534	75.8	3.2	11.4	8.6	1.1	75.8	0.0	0.1	1.0	77.6	74.1
INTERNATIONAL AVG	.	67.1	3.6	12.4	14.6	2.3	67.1	0.2	0.3	1.9	68.5	65.7

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: C01 KEY: A
 Compare volumes of different stacks of blocks. (Measurement)
 Difficulty: 522

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	2687	69.4	14.9	9.4	4.8	1.6	69.4	0.0	0.0	1.5	65.6	73.2
Austria	1045	68.3	9.1	14.2	6.3	2.2	68.3	0.0	0.0	2.2	62.3	74.4
Belgium (Fl)	1086	65.0	17.2	9.0	5.1	3.7	65.0	0.0	0.0	3.7	63.2	66.9
Belgium (Fr)	952	62.9	14.9	10.8	5.4	6.0	62.9	0.3	0.2	5.5	58.8	67.1
Bulgaria	671	71.9	7.4	11.2	6.9	2.7	71.9	0.3	0.1	2.3	72.8	71.4
Canada	3146	59.6	20.8	12.5	6.5	0.6	59.6	0.0	0.0	0.5	54.8	64.2
Colombia	977	28.0	22.0	36.5	5.8	7.6	28.0	0.4	0.5	6.7	28.1	27.8
Cyprus	1143	46.5	17.8	25.3	6.3	4.1	46.5	0.6	0.2	3.3	43.4	49.4
Czech Republic	1249	72.9	9.4	10.0	4.9	2.8	72.9	0.5	0.0	2.2	67.0	78.6
Denmark	834	56.4	18.0	13.1	5.3	7.3	56.4	0.2	0.1	7.0	51.5	62.2
England	649	62.7	17.9	10.8	5.5	3.1	62.7	0.0	0.0	3.1	58.7	66.1
France	1106	61.6	14.5	13.7	7.2	2.9	61.6	0.8	0.0	2.1	57.5	66.2
Germany	1071	57.6	12.1	14.7	8.1	7.5	57.6	1.2	0.1	6.2	55.5	60.0
Greece	1484	47.6	20.7	22.1	7.1	2.5	47.6	0.2	0.4	1.8	45.6	49.5
Hong Kong	1246	84.4	8.2	4.9	1.7	0.8	84.4	0.0	0.0	0.8	82.8	85.8
Hungary	1119	68.6	11.2	12.4	4.4	3.4	68.6	0.0	0.1	3.3	67.4	70.0
Iceland	677	62.6	12.0	17.8	4.4	3.3	62.6	1.1	0.0	2.2	60.6	64.5
Iran, Islamic Rep.	1400	28.2	23.4	35.5	9.3	3.5	28.2	1.0	0.0	2.5	17.5	36.6
Ireland	1152	50.6	22.9	19.1	6.2	1.2	50.6	0.6	0.0	0.6	43.9	57.5
Israel	534	54.8	23.2	11.6	7.7	2.7	54.8	0.0	0.5	2.2	41.6	69.8
Japan	1945	85.9	5.3	5.5	2.7	0.5	85.9	0.3	0.1	0.1	85.6	86.2
Korea	1102	88.2	4.0	5.9	1.9	0.0	88.2	0.0	0.0	0.0	88.5	88.0
Kuwait	632	39.1	10.4	39.4	6.1	5.1	39.1	0.0	0.0	5.1	41.9	36.4
Latvia (LSS)	900	55.7	16.5	15.6	9.0	3.2	55.7	0.0	0.1	3.0	51.3	60.5
Lithuania	928	58.8	11.9	14.0	6.5	8.8	58.8	0.6	0.3	7.9	52.2	66.4
Netherlands	732	77.9	11.4	6.7	3.6	0.4	77.9	0.2	0.0	0.2	76.2	79.2
New Zealand	1374	60.5	19.7	13.4	5.3	1.1	60.5	0.4	0.0	0.7	55.4	65.3
Norway	1224	53.5	17.9	16.4	8.2	4.1	53.5	0.0	0.0	4.1	48.3	58.7
Philippines	2255	36.5	25.0	33.0	4.8	0.7	36.5	0.0	0.0	0.6	34.0	39.6
Portugal	1262	45.2	21.3	20.8	7.8	4.9	45.2	0.0	0.0	4.9	41.1	49.3
Romania	1396	43.5	11.5	27.9	7.0	10.0	43.5	4.5	0.2	5.3	38.2	48.8
Russian Federation	1525	57.1	12.7	20.1	6.2	3.9	57.1	0.4	0.2	3.4	55.0	59.4
Scotland	1054	71.4	15.2	7.5	4.2	1.7	71.4	0.8	0.0	0.9	67.5	75.0
Singapore	1755	93.5	2.8	1.9	1.5	0.3	93.5	0.0	0.0	0.3	92.2	94.6
Slovak Republic	1324	68.4	10.5	13.7	4.7	2.7	68.4	0.7	0.0	1.9	67.3	69.6
Slovenia	1006	62.0	13.2	16.7	5.0	3.0	62.0	0.6	0.0	2.4	57.3	66.9
South Africa	1729	22.6	23.6	41.0	6.9	5.9	22.6	1.2	0.3	4.3	19.5	26.2
Spain	1450	48.8	21.9	17.5	7.5	4.2	48.8	0.0	0.0	4.2	43.6	54.1
Sweden	1523	49.2	25.7	15.1	5.7	4.3	49.2	2.7	0.0	1.6	47.3	51.1
Switzerland	1832	66.6	11.0	12.6	5.6	4.3	66.6	0.6	0.0	3.6	63.3	69.5
Thailand	2241	74.2	13.7	10.2	1.5	0.3	74.2	0.0	0.0	0.3	74.1	74.7
United States	2661	43.5	26.9	19.7	8.9	1.0	43.5	0.2	0.0	0.8	39.3	47.7
INTERNATIONAL AVG	.	59.1	15.5	16.4	5.7	3.3	59.1	0.5	0.1	2.8	55.7	62.6

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

THIRD INTERNATIONAL MATHEMATICS AND SCIENCE STUDY - 1995 ASSESSMENT
 Percent of responses by Math Item Categories - EIGHTH GRADE

May 13, 1998 14

Item: C02 KEY: D
 Interpret pie graph to determine distribution. (Data Rep., Analysis & Prob.)
 Difficulty: 428

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	2687	1.3	8.2	5.1	83.6	1.8	83.6	0.0	0.0	1.8	81.9	85.2
Austria	1045	1.7	7.4	3.4	85.3	2.1	85.3	0.0	0.1	1.9	85.6	85.6
Belgium (Fl)	1086	2.8	7.8	4.2	84.3	1.0	84.3	0.0	0.0	1.0	85.1	83.4
Belgium (Fr)	952	1.6	8.7	4.7	81.7	3.3	81.7	0.2	0.2	2.9	81.0	83.0
Bulgaria	671	0.1	9.4	3.3	84.6	2.6	84.6	0.7	0.1	1.8	86.5	82.8
Canada	3146	1.4	8.6	7.1	80.7	2.1	80.7	1.6	0.0	0.5	81.1	80.7
Colombia	977	2.4	39.3	3.3	50.2	4.8	50.2	0.3	0.8	3.7	49.1	52.1
Cyprus	1143	2.6	21.5	9.7	61.5	4.8	61.5	1.9	0.2	2.7	62.5	60.4
Czech Republic	1249	1.4	9.4	4.3	83.1	1.8	83.1	1.0	0.0	0.8	84.2	82.1
Denmark	834	2.9	7.7	5.7	78.4	5.3	78.4	2.0	0.3	3.0	75.7	81.7
England	649	1.5	7.8	5.8	81.2	3.7	81.2	0.0	0.2	3.5	80.5	81.9
France	1106	2.1	12.5	11.2	71.9	2.3	71.9	1.1	0.0	1.2	72.4	72.0
Germany	1071	2.8	12.6	3.6	76.9	4.2	76.9	2.0	0.1	2.1	80.4	73.5
Greece	1484	2.1	19.9	4.2	71.3	2.5	71.3	1.1	0.4	1.0	67.7	74.6
Hong Kong	1246	5.0	6.4	5.1	83.0	0.5	83.0	0.0	0.0	0.5	82.9	83.0
Hungary	1119	0.3	7.2	4.1	85.7	2.7	85.7	0.0	0.1	2.6	86.3	85.2
Iceland	678	3.3	9.9	3.9	80.7	2.2	80.7	0.7	0.0	1.5	82.1	79.3
Iran, Islamic Rep.	1400	2.3	17.7	6.4	70.3	3.4	70.3	3.0	0.0	0.3	66.1	73.4
Ireland	1152	0.7	7.3	5.7	83.3	3.0	83.3	2.6	0.0	0.4	82.5	84.2
Israel	534	1.7	9.5	4.5	80.7	3.5	80.7	0.0	0.5	3.0	77.7	83.6
Japan	1945	0.8	3.8	2.2	92.8	0.4	92.8	0.3	0.1	0.1	93.4	92.2
Korea	1102	0.9	6.8	2.1	90.2	0.0	90.2	0.0	0.0	0.0	88.4	91.6
Kuwait	632	3.0	26.4	7.3	58.7	4.5	58.7	0.0	0.0	4.5	56.7	60.6
Latvia (LSS)	900	1.6	9.5	4.3	82.3	2.3	82.3	0.0	0.4	1.9	85.3	79.0
Lithuania	928	3.5	14.3	3.9	70.6	7.8	70.6	3.5	0.4	3.9	70.9	70.2
Netherlands	732	1.9	7.5	6.3	84.0	0.3	84.0	0.2	0.0	0.1	84.8	82.8
New Zealand	1374	1.7	10.4	5.8	80.6	1.4	80.6	1.1	0.0	0.3	79.3	81.8
Norway	1225	4.3	8.3	5.9	74.8	6.6	74.8	0.0	0.0	6.6	74.6	75.0
Philippines	2255	7.6	26.9	13.2	51.7	0.6	51.7	0.0	0.0	0.5	53.2	50.0
Portugal	1262	0.5	11.6	12.7	71.8	3.5	71.8	0.0	0.0	3.5	71.6	71.9
Romania	1395	1.9	23.0	2.4	68.4	4.3	68.4	3.0	0.2	1.2	67.8	69.0
Russian Federation	1527	1.3	13.0	6.0	77.4	2.3	77.4	0.9	0.2	1.1	79.1	75.5
Scotland	1054	0.8	7.6	7.4	80.0	4.2	80.0	3.6	0.0	0.7	78.0	82.0
Singapore	1755	0.8	5.7	3.8	89.0	0.8	89.0	0.0	0.0	0.8	87.5	90.2
Slovak Republic	1324	1.2	6.3	3.9	86.3	2.3	86.3	0.6	0.1	1.6	87.4	85.1
Slovenia	1006	0.9	11.2	3.2	82.5	2.2	82.5	1.3	0.0	0.9	83.4	81.5
South Africa	1729	17.5	28.6	11.3	38.4	4.2	38.4	1.4	0.5	2.3	36.0	41.5
Spain	1450	1.2	17.4	4.5	75.3	1.6	75.3	0.0	0.0	1.6	74.3	76.3
Sweden	1522	2.0	6.5	5.7	83.7	2.0	83.7	1.1	0.0	0.9	84.0	83.6
Switzerland	1832	1.0	7.7	3.6	85.1	2.6	85.1	1.6	0.0	0.9	86.2	84.1
Thailand	2241	0.6	6.4	3.7	88.5	0.7	88.5	0.0	0.0	0.7	89.1	88.1
United States	2661	1.7	13.1	8.9	75.4	0.8	75.4	0.1	0.1	0.6	74.1	76.7
INTERNATIONAL AVG	.	2.3	12.2	5.6	77.3	2.7	77.3	0.9	0.1	1.7	77.1	77.5

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: C03 KEY: A
 Identify properties of congruent trapezoids. (Geometry)
 Difficulty: 508

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	2687	66.5	6.3	11.1	6.6	5.4	4.2	66.5	0.0	0.0	4.2	70.7	62.2
Austria	1045	54.9	9.3	14.3	5.5	11.6	4.4	54.9	0.0	0.1	4.3	58.6	51.6
Belgium (Fl)	1086	68.4	3.6	12.4	4.1	6.5	5.0	68.4	0.0	0.0	5.0	74.9	61.6
Belgium (Fr)	952	63.8	4.3	8.7	7.3	5.7	10.2	63.8	0.9	0.2	9.2	64.8	63.1
Bulgaria	671	76.9	4.5	9.0	2.5	1.0	6.1	76.9	1.0	0.2	4.9	80.2	74.1
Canada	3146	71.6	5.3	10.4	5.8	4.8	2.0	71.6	0.7	0.0	1.3	77.9	66.2
Colombia	977	39.8	8.4	21.8	8.6	12.1	9.4	39.8	0.9	0.9	7.6	41.7	38.1
Cyprus	1143	55.8	7.3	13.3	9.6	8.9	5.1	55.8	0.4	0.2	4.5	62.2	49.4
Czech Republic	1249	71.1	4.6	13.1	2.2	5.6	3.4	71.1	0.5	0.0	2.8	71.7	70.5
Denmark	834	55.7	5.9	7.1	7.2	7.4	16.7	55.7	0.1	0.5	16.1	55.3	56.4
England	649	63.9	7.7	8.5	6.6	8.9	4.4	63.9	0.0	0.2	4.3	67.9	60.6
France	1106	85.0	2.0	4.9	2.7	2.2	3.1	85.0	0.5	0.0	2.7	87.0	84.4
Germany	1071	53.3	7.1	11.8	7.7	5.8	14.3	53.3	1.2	0.1	13.0	56.2	50.8
Greece	1484	66.4	4.7	12.1	5.8	5.8	5.3	66.4	0.5	0.4	4.4	69.5	63.5
Hong Kong	1246	75.4	2.8	13.0	4.3	3.9	0.6	75.4	0.0	0.0	0.6	75.2	75.4
Hungary	1119	71.9	4.0	6.5	3.5	7.7	6.5	71.9	0.0	0.1	6.4	75.1	68.6
Iceland	678	50.3	7.5	11.4	11.8	14.1	5.0	50.3	0.0	0.0	5.0	56.0	44.9
Iran, Islamic Rep.	1400	45.7	9.8	19.4	8.7	11.9	4.5	45.7	1.7	0.0	2.8	45.7	45.8
Ireland	1152	64.3	7.7	10.4	5.8	7.3	4.6	64.3	2.3	0.0	2.3	65.6	62.8
Israel	534	76.7	3.0	6.4	5.9	2.4	5.6	76.7	0.0	0.5	5.1	73.5	81.2
Japan	1945	79.7	2.2	10.0	3.6	3.6	0.9	79.7	0.5	0.1	0.3	83.0	76.6
Korea	1102	82.0	2.9	5.1	5.1	4.6	0.3	82.0	0.0	0.0	0.3	82.8	81.4
Kuwait	632	43.1	5.2	17.6	13.4	11.9	8.7	43.1	0.0	0.0	8.7	57.6	29.5
Latvia (LSS)	901	74.3	5.5	6.4	3.3	4.3	6.3	74.3	0.0	0.5	5.8	78.1	70.2
Lithuania	928	69.6	4.1	8.1	2.2	3.9	12.2	69.6	0.5	0.4	11.3	71.0	68.0
Netherlands	732	64.5	8.3	14.0	6.8	5.2	1.2	64.5	0.0	0.0	1.2	65.9	62.7
New Zealand	1373	62.6	8.3	12.6	8.0	6.3	2.2	62.6	0.8	0.0	1.4	64.3	61.0
Norway	1225	58.1	7.2	9.7	8.5	8.2	8.3	58.1	0.0	0.0	8.3	61.7	54.5
Philippines	2255	35.3	8.3	14.7	22.6	18.5	0.5	35.3	0.0	0.0	0.4	37.1	33.4
Portugal	1262	51.4	8.7	11.4	8.6	10.7	9.1	51.4	0.0	0.2	8.9	52.8	50.1
Romania	1396	69.5	5.8	9.6	3.0	5.6	6.5	69.5	1.6	0.2	4.8	69.4	69.6
Russian Federation	1527	80.0	2.2	7.2	2.2	4.2	4.2	80.0	0.3	0.4	3.5	84.1	75.7
Scotland	1054	57.7	6.9	13.8	7.9	9.2	4.4	57.7	2.0	0.0	2.4	57.5	58.1
Singapore	1755	82.2	2.7	8.1	2.7	3.1	1.2	82.2	0.0	0.0	1.2	84.1	80.5
Slovak Republic	1326	66.5	4.3	13.3	3.6	7.1	5.2	66.5	0.8	0.2	4.2	70.3	62.6
Slovenia	1007	73.1	4.0	7.4	5.2	6.7	3.6	73.1	0.5	0.0	3.2	74.2	71.9
South Africa	1729	25.1	13.6	18.7	17.8	19.8	5.0	25.1	1.1	0.5	3.4	23.6	27.0
Spain	1450	64.1	7.6	8.9	7.5	7.2	4.7	64.1	0.0	0.0	4.7	68.7	59.5
Sweden	1521	57.0	10.0	13.6	6.3	9.1	3.9	57.0	0.7	0.0	3.2	62.0	52.3
Switzerland	1832	61.2	5.6	11.8	6.7	7.7	7.0	61.2	0.4	0.0	6.5	61.6	60.9
Thailand	2241	70.6	2.2	17.0	5.5	3.8	0.9	70.6	0.0	0.0	0.9	71.4	69.6
United States	2661	63.3	7.3	14.7	8.8	4.3	1.5	63.3	0.3	0.1	1.1	66.8	59.8
INTERNATIONAL AVG	.	63.5	5.9	11.4	6.7	7.2	5.2	63.5	0.5	0.1	4.6	66.1	61.1

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: C04 KEY: B
 Select correct pair of numbers: # 1 < 2.25 < # 2. (Fractions and number sense)
 Difficulty: 537

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	2687	4.9	54.3	20.8	17.0	3.1	54.3	0.0	0.1	3.0	52.5	56.1
Austria	1045	4.3	60.2	18.4	12.9	4.3	60.2	0.0	0.1	4.1	58.5	62.9
Belgium (Fl)	1086	5.1	61.6	17.7	12.4	3.1	61.6	0.0	0.1	3.0	62.9	60.4
Belgium (Fr)	952	1.4	76.0	10.2	7.1	5.2	76.0	0.4	0.2	4.5	75.2	76.7
Bulgaria	671	3.9	66.8	11.9	11.0	6.4	66.8	0.1	0.2	6.0	67.8	66.0
Canada	3146	6.0	53.1	22.9	15.1	2.8	53.1	0.5	0.0	2.3	52.3	54.1
Colombia	977	10.4	31.0	23.4	23.0	12.2	31.0	0.6	1.4	10.2	32.7	29.2
Cyprus	1143	5.8	52.2	21.0	14.4	6.7	52.2	1.3	0.2	5.1	50.9	53.5
Czech Republic	1249	3.3	66.0	12.4	12.9	5.4	66.0	1.5	0.0	3.9	62.5	69.3
Denmark	834	5.6	45.9	14.1	11.6	22.8	45.9	9.1	0.5	13.2	43.9	48.7
England	649	4.6	52.6	20.7	17.3	4.8	52.6	0.0	0.2	4.6	52.0	53.1
France	1106	2.9	62.2	15.5	13.6	5.8	62.2	0.8	0.2	4.8	61.1	63.5
Germany	1071	4.1	53.7	18.1	13.9	10.3	53.7	1.1	0.3	8.9	55.6	51.4
Greece	1484	4.8	52.3	17.1	17.9	7.9	52.3	1.3	0.4	6.1	49.3	55.0
Hong Kong	1246	7.8	64.3	16.8	10.2	0.9	64.3	0.0	0.0	0.9	61.3	66.8
Hungary	1119	4.1	57.4	16.9	15.0	6.6	57.4	0.0	0.1	6.5	56.4	58.3
Iceland	678	6.2	56.7	15.9	17.9	3.4	56.7	0.7	0.0	2.7	54.4	58.8
Iran, Islamic Rep.	1400	11.1	42.0	18.0	26.1	2.8	42.0	0.2	0.0	2.5	40.1	43.6
Ireland	1152	4.8	54.4	20.3	16.6	3.9	54.4	1.9	0.0	2.0	52.4	56.5
Israel	534	5.7	57.2	13.6	18.6	4.8	57.2	0.0	0.7	4.1	47.7	67.1
Japan	1945	6.9	60.1	19.7	12.3	1.0	60.1	0.2	0.1	0.7	57.4	62.7
Korea	1102	4.8	75.1	9.2	10.8	0.1	75.1	0.0	0.0	0.1	72.2	77.3
Kuwait	632	12.2	35.9	20.7	23.1	8.1	35.9	0.0	0.3	7.8	32.5	39.0
Latvia (LSS)	901	6.3	45.1	19.3	20.2	9.0	45.1	0.0	0.5	8.5	41.7	48.9
Lithuania	928	6.7	48.2	14.5	15.3	15.2	48.2	3.3	0.5	11.4	47.2	49.4
Netherlands	732	5.6	53.0	23.7	15.9	1.7	53.0	0.5	0.1	1.1	55.0	51.0
New Zealand	1373	8.5	52.9	20.3	16.1	2.4	52.9	1.0	0.0	1.4	51.3	54.3
Norway	1225	6.5	51.8	21.5	12.2	7.9	51.8	0.0	0.0	7.9	51.5	52.2
Philippines	2255	11.8	55.4	18.0	13.3	1.5	55.4	0.0	0.1	1.3	56.4	54.1
Portugal	1262	4.2	70.9	12.4	6.8	5.8	70.9	0.0	0.4	5.4	72.3	69.4
Romania	1396	7.2	54.5	15.4	12.4	10.5	54.5	2.2	0.4	7.9	53.3	55.7
Russian Federation	1527	4.1	57.9	14.6	15.2	8.3	57.9	0.3	0.5	7.4	55.0	60.8
Scotland	1054	4.7	51.3	23.2	16.6	4.3	51.3	2.0	0.0	2.3	49.1	53.6
Singapore	1755	4.0	73.9	13.2	7.8	1.1	73.9	0.0	0.0	1.1	72.5	75.1
Slovak Republic	1326	4.9	61.7	14.5	12.5	6.5	61.7	1.3	0.4	4.9	60.9	62.5
Slovenia	1007	4.8	56.8	20.0	14.2	4.2	56.8	0.3	0.0	3.9	52.1	62.0
South Africa	1729	16.2	46.6	21.6	11.6	4.0	46.6	0.6	0.6	2.8	46.3	47.3
Spain	1450	7.3	52.8	18.4	14.8	6.7	52.8	0.0	0.0	6.7	50.7	54.9
Sweden	1522	5.8	55.4	20.9	14.7	3.2	55.4	0.5	0.0	2.7	55.9	54.9
Switzerland	1832	4.0	58.9	18.7	13.0	5.4	58.9	0.9	0.0	4.5	59.8	58.2
Thailand	2241	6.4	73.1	10.3	8.1	2.1	73.1	0.0	0.1	2.0	73.0	73.1
United States	2661	7.0	55.0	19.6	16.5	1.9	55.0	0.0	0.1	1.7	52.1	57.9
INTERNATIONAL AVG	.	6.1	56.3	17.5	14.5	5.6	56.3	0.8	0.2	4.6	54.9	57.7

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: C05 KEY: B
 Determine number which continues pattern based on figures. (Algebra)
 Difficulty: 544

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	2687	12.9	63.1	10.0	3.8	9.3	0.8	63.1	0.0	0.1	0.8	65.0	61.1
Austria	1045	13.9	54.8	9.9	4.5	15.1	1.6	54.8	0.0	0.1	1.5	52.2	56.2
Belgium (Fl)	1086	11.4	67.0	6.4	3.0	10.6	1.6	67.0	0.0	0.1	1.5	70.7	63.1
Belgium (Fr)	952	16.6	56.8	9.3	2.6	12.4	2.3	56.8	0.0	0.2	2.0	59.3	54.5
Bulgaria	671	11.8	67.2	6.4	1.8	11.0	1.8	67.2	0.2	0.2	1.4	72.0	62.6
Canada	3146	13.5	61.6	9.2	4.0	10.8	0.9	61.6	0.2	0.0	0.7	63.9	59.6
Colombia	977	18.5	41.0	10.6	5.5	18.0	6.4	41.0	0.2	1.6	4.6	41.5	40.5
Cyprus	1143	16.1	43.4	13.6	6.3	18.6	2.0	43.4	0.0	0.2	1.8	43.6	43.2
Czech Republic	1245	9.6	65.7	8.1	3.7	11.6	1.3	65.7	0.1	0.0	1.2	72.5	59.1
Denmark	834	16.9	54.6	9.3	5.4	11.1	2.7	54.6	0.1	0.5	2.1	55.7	54.1
England	649	12.0	62.6	10.2	5.1	9.3	0.9	62.6	0.0	0.2	0.7	67.8	58.3
France	1106	15.3	56.1	10.5	4.2	12.5	1.3	56.1	0.0	0.2	1.1	58.9	54.4
Germany	1071	15.5	45.4	13.4	6.1	15.3	4.2	45.4	0.2	0.3	3.7	46.5	44.8
Greece	1484	16.5	43.0	12.4	5.6	19.7	2.8	43.0	0.1	0.4	2.2	42.7	43.3
Hong Kong	1246	16.7	66.3	9.0	2.5	5.1	0.4	66.3	0.0	0.0	0.4	65.0	67.3
Hungary	1119	15.6	61.9	7.3	2.2	11.4	1.6	61.9	0.0	0.1	1.5	64.2	59.5
Iceland	678	15.0	50.3	12.9	5.0	15.9	0.9	50.3	0.1	0.0	0.8	56.6	44.3
Iran, Islamic Rep.	1400	21.6	37.2	12.6	4.2	21.9	2.4	37.2	0.0	0.1	2.3	40.6	34.8
Ireland	1152	14.8	61.8	7.7	3.2	11.9	0.6	61.8	0.2	0.0	0.3	64.7	58.8
Israel	534	17.9	59.7	6.6	3.4	10.0	2.3	59.7	0.0	0.7	1.6	55.0	63.4
Japan	1945	10.3	71.1	10.3	2.4	5.6	0.3	71.1	0.0	0.1	0.2	71.5	70.8
Korea	1102	12.6	73.4	8.3	1.7	3.9	0.0	73.4	0.0	0.0	0.0	71.8	74.7
Kuwait	632	23.8	28.5	13.9	8.2	21.1	4.4	28.5	0.0	0.3	4.1	28.2	28.8
Latvia (LSS)	898	17.5	46.5	8.7	5.5	18.6	3.2	46.5	0.0	0.5	2.7	47.9	45.0
Lithuania	928	10.7	57.2	8.6	3.4	15.8	4.4	57.2	0.0	0.5	3.9	57.0	57.4
Netherlands	732	13.1	57.1	12.3	5.1	11.9	0.4	57.1	0.1	0.1	0.1	60.0	54.6
New Zealand	1373	16.2	59.7	8.6	4.1	10.7	0.7	59.7	0.1	0.0	0.6	62.2	57.3
Norway	1225	17.7	50.2	10.7	5.1	14.8	1.4	50.2	0.0	0.1	1.3	53.1	47.3
Philippines	2256	32.0	32.5	12.8	4.2	17.9	0.6	32.5	0.0	0.1	0.4	32.2	33.0
Portugal	1262	14.6	50.6	10.4	5.5	15.4	3.5	50.6	0.0	0.5	3.0	50.0	51.1
Romania	1396	13.3	57.6	8.1	2.8	15.1	3.1	57.6	0.1	0.4	2.7	55.4	59.8
Russian Federation	1527	17.8	56.9	8.5	3.3	10.7	2.8	56.9	0.0	0.5	2.2	57.4	56.3
Scotland	1054	15.3	52.2	12.3	5.3	14.4	0.6	52.2	0.1	0.0	0.5	52.3	52.0
Singapore	1755	9.6	74.4	8.4	1.5	5.8	0.4	74.4	0.0	0.0	0.4	76.7	72.5
Slovak Republic	1326	11.4	64.0	8.1	2.8	12.0	1.8	64.0	0.1	0.4	1.3	68.5	59.3
Slovenia	1007	14.7	58.3	9.2	3.2	13.7	0.8	58.3	0.0	0.0	0.8	59.3	57.2
South Africa	1729	38.4	21.7	12.9	5.4	18.3	3.2	21.7	0.4	0.6	2.2	20.2	23.3
Spain	1450	16.8	55.7	8.4	2.9	14.9	1.2	55.7	0.0	0.0	1.2	56.3	55.2
Sweden	1523	14.5	54.5	13.2	5.1	12.1	0.8	54.5	0.0	0.0	0.7	57.6	51.5
Switzerland	1832	11.0	65.8	10.2	2.1	9.7	1.2	65.8	0.0	0.0	1.2	66.7	65.0
Thailand	2241	16.4	61.3	7.7	2.8	11.5	0.3	61.3	0.0	0.1	0.3	62.2	59.7
United States	2661	18.7	51.0	10.7	5.4	13.3	0.8	51.0	0.0	0.1	0.7	52.1	49.8
INTERNATIONAL AVG	.	15.9	55.2	9.9	4.0	13.1	1.8	55.2	0.1	0.2	1.5	56.6	53.9

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: C06 KEY: A
 Determine the worst estimate of: $848 \div 677$. (Fractions and number sense)
 Difficulty: 457

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	2687	82.1	7.8	4.4	4.6	1.0	82.1	0.0	0.1	0.8	83.2	81.1
Austria	1045	76.3	9.1	4.5	7.9	2.1	76.3	0.0	0.1	2.0	76.0	77.2
Belgium (Fl)	1086	81.6	8.7	4.2	5.0	0.5	81.6	0.0	0.1	0.4	86.5	76.6
Belgium (Fr)	952	63.1	12.6	10.5	10.0	3.9	63.1	0.8	0.3	2.7	64.0	62.1
Bulgaria	671	72.1	7.7	10.0	6.1	4.1	72.1	1.5	0.2	2.3	74.3	70.2
Canada	3146	86.1	5.2	3.5	4.1	1.1	86.1	0.3	0.0	0.8	87.1	85.3
Colombia	977	50.8	11.4	18.0	8.2	11.6	50.8	0.6	1.7	9.3	47.8	53.7
Cyprus	1143	66.2	12.0	10.4	7.2	4.1	66.2	0.7	0.2	3.2	64.2	68.1
Czech Republic	1245	86.1	6.0	4.1	2.4	1.4	86.1	0.3	0.1	1.0	84.1	88.0
Denmark	834	73.9	6.1	8.9	5.7	5.4	73.9	1.5	0.5	3.5	74.0	74.3
England	649	84.1	6.1	6.0	3.3	0.5	84.1	0.0	0.2	0.4	82.8	85.2
France	1106	72.6	9.8	7.3	6.3	4.0	72.6	0.6	0.2	3.2	72.4	73.5
Germany	1071	67.6	9.0	8.7	9.8	5.0	67.6	0.9	0.4	3.6	71.0	64.3
Greece	1484	64.2	12.0	12.1	7.3	4.5	64.2	0.3	0.4	3.8	63.2	65.0
Hong Kong	1246	65.8	10.4	10.3	12.6	0.9	65.8	0.1	0.0	0.8	63.4	67.8
Hungary	1119	81.9	6.9	4.8	3.8	2.6	81.9	0.0	0.2	2.4	80.2	83.7
Iceland	678	76.0	8.2	9.1	5.5	1.2	76.0	0.2	0.0	1.0	77.9	74.2
Iran, Islamic Rep.	1400	52.4	13.7	18.5	12.5	2.9	52.4	0.0	0.1	2.8	47.2	56.3
Ireland	1152	81.6	6.8	5.4	5.3	0.9	81.6	0.4	0.0	0.5	82.7	80.4
Israel	534	67.7	10.1	11.9	5.1	5.1	67.7	0.0	0.9	4.3	64.3	72.0
Japan	1945	69.5	13.1	8.2	9.0	0.2	69.5	0.0	0.1	0.1	71.6	67.6
Korea	1102	83.2	5.5	5.9	5.4	0.0	83.2	0.0	0.0	0.0	82.0	84.1
Kuwait	632	34.4	13.4	27.5	17.4	7.3	34.4	0.0	0.4	7.0	32.2	36.5
Latvia (LSS)	897	57.6	9.6	14.9	10.6	7.4	57.6	0.0	0.5	6.9	60.1	54.8
Lithuania	928	76.0	12.8	4.0	2.8	4.4	76.0	1.5	0.7	2.2	77.8	74.0
Netherlands	732	72.5	11.2	8.6	7.2	0.5	72.5	0.0	0.1	0.4	75.8	69.2
New Zealand	1373	82.1	8.4	4.6	4.3	0.6	82.1	0.2	0.0	0.4	81.1	83.0
Norway	1225	75.2	8.2	7.4	5.6	3.6	75.2	0.0	0.1	3.6	76.8	73.6
Philippines	2256	41.5	18.2	16.4	23.0	0.9	41.5	0.0	0.2	0.7	43.4	39.4
Portugal	1262	63.4	11.1	11.1	8.2	6.2	63.4	0.0	0.6	5.7	64.4	62.5
Romania	1394	63.6	9.5	10.5	6.9	9.6	63.6	4.9	0.5	4.2	64.7	62.5
Russian Federation	1527	72.5	10.5	5.6	4.9	6.5	72.5	1.3	0.6	4.6	72.5	72.6
Scotland	1054	79.7	7.9	5.9	5.4	1.1	79.7	0.4	0.0	0.7	76.5	82.7
Singapore	1755	89.2	5.8	2.3	2.5	0.2	89.2	0.0	0.0	0.2	90.0	88.5
Slovak Republic	1326	81.2	8.2	4.4	3.2	2.9	81.2	0.5	0.4	2.0	82.7	79.7
Slovenia	1007	74.6	7.3	10.0	5.9	2.3	74.6	1.1	0.0	1.2	76.7	72.2
South Africa	1729	44.9	14.1	22.6	13.1	5.3	44.9	0.5	0.8	4.0	43.9	47.0
Spain	1450	62.4	11.3	13.4	8.4	4.4	62.4	0.0	0.0	4.4	63.6	61.2
Sweden	1523	74.5	7.8	9.0	6.9	1.8	74.5	0.1	0.0	1.7	75.0	73.8
Switzerland	1832	79.7	7.8	5.9	4.3	2.4	79.7	0.7	0.0	1.7	81.5	78.2
Thailand	2241	71.9	12.5	7.1	7.9	0.6	71.9	0.0	0.1	0.5	74.1	69.2
United States	2661	74.2	6.5	7.6	10.7	1.0	74.2	0.0	0.1	0.8	76.0	72.5
INTERNATIONAL AVG	.	70.9	9.5	9.2	7.3	3.1	70.9	0.5	0.3	2.4	71.2	70.6

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: D07 KEY: C
 Identify relationship of angles in symmetric polygon. (Geometry)
 Difficulty: 505

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	2716	9.9	4.3	62.4	6.4	15.4	1.7	62.4	0.0	0.1	1.6	63.5	61.2
Austria	1029	9.3	2.8	61.9	7.5	14.4	4.2	61.9	0.3	0.1	3.7	61.6	62.3
Belgium (Fl)	1086	7.6	2.2	72.3	4.6	12.1	1.2	72.3	0.0	0.0	1.2	71.4	73.2
Belgium (Fr)	967	9.7	3.0	72.1	3.3	7.0	4.9	72.1	0.0	0.9	4.0	70.3	73.9
Bulgaria	778	7.7	1.7	85.6	1.4	2.3	1.3	85.6	0.0	0.1	1.2	86.3	84.9
Canada	3117	10.6	2.3	68.1	7.1	10.7	1.2	68.1	0.0	0.1	1.2	67.6	68.9
Colombia	996	19.4	4.2	24.6	10.4	27.0	14.4	24.6	0.7	4.6	9.1	19.5	29.8
Cyprus	1036	14.0	3.2	66.2	4.6	9.7	2.3	66.2	0.3	0.3	1.6	68.4	64.4
Czech Republic	1251	6.2	2.3	84.5	2.3	3.4	1.3	84.5	0.0	0.4	0.9	84.0	84.9
Denmark	866	6.9	4.2	58.3	8.3	13.0	9.4	58.3	0.7	0.5	8.2	55.7	61.1
England	662	8.0	1.9	48.9	8.6	28.4	4.2	48.9	0.0	0.1	4.1	51.2	46.7
France	1137	10.0	0.9	83.9	1.2	2.8	1.1	83.9	0.1	0.2	0.8	83.1	84.7
Germany	1056	7.2	5.0	59.6	6.9	12.1	9.1	59.6	1.6	0.2	7.2	57.7	61.2
Greece	1480	10.8	2.8	69.0	5.0	9.9	2.5	69.0	0.3	0.1	2.2	69.4	68.6
Hong Kong	1252	8.8	1.8	76.4	4.0	8.3	0.6	76.4	0.0	0.1	0.6	70.8	81.2
Hungary	1061	6.6	2.7	52.4	8.9	18.7	10.8	52.4	0.0	0.3	10.5	53.2	51.6
Iceland	665	11.4	8.0	43.4	10.1	22.8	4.3	43.4	0.3	0.1	3.9	41.2	45.4
Iran, Islamic Rep.	1384	11.8	4.4	53.8	9.3	19.3	1.4	53.8	0.1	0.0	1.3	46.7	59.6
Ireland	1162	12.4	3.7	50.6	11.3	20.0	2.0	50.6	0.3	0.2	1.5	46.1	55.1
Israel	544	15.5	2.2	68.9	3.0	6.1	4.3	68.9	0.0	0.9	3.4	65.6	71.9
Japan	1920	8.6	1.2	82.2	1.7	5.7	0.6	82.2	0.4	0.1	0.1	82.3	82.1
Korea	1097	16.3	2.0	74.8	3.5	3.4	0.1	74.8	0.0	0.0	0.1	72.8	76.3
Kuwait	624	22.4	5.1	55.1	5.9	10.6	0.9	55.1	0.0	0.2	0.8	57.8	52.4
Latvia (LSS)	908	11.5	2.9	67.5	5.1	8.0	5.0	67.5	0.0	0.7	4.3	67.2	67.8
Lithuania	945	6.9	2.0	73.5	4.9	6.6	6.2	73.5	0.0	0.4	5.7	73.2	73.8
Netherlands	726	7.7	4.0	59.4	7.6	19.9	1.4	59.4	0.0	0.0	1.4	57.3	61.1
New Zealand	1381	8.9	4.3	58.5	8.2	19.0	1.1	58.5	0.3	0.1	0.7	56.3	60.6
Norway	1220	8.5	3.6	67.8	7.4	10.0	2.7	67.8	0.0	0.2	2.5	68.8	66.6
Philippines	2250	21.8	4.5	27.7	12.3	33.0	0.7	27.7	0.0	0.0	0.7	25.9	29.9
Portugal	1270	12.0	2.7	57.7	7.4	16.1	4.1	57.7	0.0	0.2	3.9	54.0	61.4
Romania	1390	11.8	1.8	74.0	2.7	4.6	5.2	74.0	0.8	0.4	4.0	73.6	74.3
Russian Federation	1509	8.3	3.5	76.3	3.4	5.3	3.2	76.3	0.2	0.2	2.9	74.6	78.2
Scotland	1064	9.0	3.5	53.8	7.8	24.1	1.8	53.8	0.4	0.0	1.4	52.4	55.3
Singapore	1758	14.4	1.2	79.4	1.6	2.9	0.6	79.4	0.0	0.1	0.6	77.9	80.9
Slovak Republic	1300	9.0	1.8	81.1	2.0	4.3	1.7	81.1	0.1	0.1	1.5	80.8	81.5
Slovenia	1017	9.4	2.7	73.0	3.6	9.4	1.9	73.0	0.1	0.0	1.8	70.7	75.3
South Africa	1682	23.6	4.6	21.1	9.1	37.7	3.9	21.1	1.1	0.6	2.2	17.8	24.5
Spain	1456	9.6	3.7	55.2	9.2	17.1	5.2	55.2	0.0	0.3	4.9	53.0	57.7
Sweden	1485	7.1	3.8	53.2	15.7	17.9	2.4	53.2	0.0	0.3	2.1	51.0	55.4
Switzerland	1815	6.6	2.0	72.9	5.7	9.0	3.8	72.9	0.4	0.0	3.3	71.0	74.8
Thailand	2222	13.5	2.5	70.2	4.8	7.9	1.1	70.2	0.0	0.0	1.1	70.5	69.6
United States	2658	13.9	4.8	48.3	9.9	21.7	1.3	48.3	0.0	0.2	1.1	45.2	51.1
INTERNATIONAL AVG	.	11.1	3.1	63.0	6.3	13.3	3.3	63.0	0.2	0.3	2.7	61.6	64.3

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: D08 KEY: C
 Solve ratio problem for $x: 7/13 = x/52$. (Proportionality)
 Difficulty: 481

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	2716	6.5	9.6	79.7	2.5	1.7	79.7	0.0	0.1	1.6	80.1	79.4
Austria	1028	4.7	13.3	74.0	4.7	3.3	74.0	0.0	0.1	3.1	74.1	74.3
Belgium (Fl)	1086	6.1	8.3	76.5	7.1	2.0	76.5	0.0	0.0	2.0	77.0	76.0
Belgium (Fr)	967	10.1	7.4	61.2	4.4	16.9	61.2	0.0	1.1	15.8	59.7	63.0
Bulgaria	778	6.5	10.5	64.0	9.6	9.3	64.0	0.2	0.1	9.0	63.1	64.9
Canada	3117	6.5	9.2	80.3	2.9	1.2	80.3	0.1	0.1	1.1	80.3	80.5
Colombia	996	25.5	20.4	28.5	11.1	14.5	28.5	0.4	5.5	8.6	29.3	28.0
Cyprus	1036	7.1	12.0	67.9	9.2	3.8	67.9	0.2	0.5	3.2	69.7	66.0
Czech Republic	1251	5.7	10.2	76.6	3.9	3.7	76.6	0.1	0.5	3.1	73.2	80.0
Denmark	866	10.5	13.5	55.6	3.9	16.4	55.6	0.2	0.9	15.4	53.3	57.8
England	662	10.2	12.1	70.8	3.6	3.2	70.8	0.0	0.1	3.1	68.7	72.9
France	1137	9.6	9.7	65.9	4.6	10.2	65.9	0.2	0.2	9.8	64.1	68.0
Germany	1056	5.1	10.4	68.3	3.9	12.3	68.3	0.1	0.4	11.8	68.0	68.8
Greece	1480	6.5	11.3	64.5	11.6	6.1	64.5	0.1	0.2	5.8	64.4	64.5
Hong Kong	1252	2.9	6.9	87.4	2.1	0.6	87.4	0.0	0.1	0.6	84.9	89.6
Hungary	1060	4.7	8.7	71.0	6.0	9.6	71.0	0.0	0.4	9.2	73.3	68.8
Iceland	665	6.8	21.0	62.7	5.1	4.4	62.7	0.0	0.1	4.3	62.0	63.3
Iran, Islamic Rep.	1384	10.4	13.3	58.5	15.4	2.4	58.5	0.0	0.0	2.4	56.2	60.9
Ireland	1162	5.9	9.4	78.4	4.0	2.3	78.4	0.2	0.2	1.9	75.5	81.3
Israel	544	10.1	10.7	66.8	2.5	9.9	66.8	0.0	1.1	8.8	60.7	72.6
Japan	1920	3.2	9.5	81.9	4.9	0.5	81.9	0.0	0.1	0.4	82.4	81.5
Korea	1097	2.2	5.6	90.1	2.0	0.0	90.1	0.0	0.0	0.0	89.3	90.9
Kuwait	624	15.0	18.3	48.8	11.4	6.6	48.8	0.0	0.2	6.4	43.0	54.3
Latvia (LSS)	907	8.0	13.3	60.1	8.0	10.7	60.1	0.0	0.8	9.9	57.8	62.8
Lithuania	946	6.9	7.6	55.6	8.8	21.1	55.6	0.0	0.9	20.2	55.5	55.8
Netherlands	726	7.2	13.3	66.1	11.4	2.1	66.1	0.1	0.0	2.0	65.1	66.6
New Zealand	1381	9.5	14.2	70.1	4.4	1.8	70.1	0.0	0.1	1.6	65.9	74.0
Norway	1220	12.2	13.5	63.5	5.0	5.8	63.5	0.0	0.2	5.6	60.8	66.5
Philippines	2250	16.0	11.6	53.4	18.4	0.7	53.4	0.0	0.1	0.6	54.0	52.7
Portugal	1270	10.6	13.9	54.0	12.7	8.8	54.0	0.0	0.3	8.6	53.7	54.2
Romania	1390	8.1	6.7	66.0	8.8	10.3	66.0	0.2	0.4	9.7	66.4	65.7
Russian Federation	1509	3.5	7.5	72.3	7.7	8.9	72.3	0.1	0.4	8.5	74.1	70.3
Scotland	1064	8.1	12.8	70.6	5.8	2.7	70.6	0.2	0.0	2.4	65.7	75.2
Singapore	1758	0.8	1.0	97.6	0.3	0.3	97.6	0.0	0.1	0.2	97.9	97.5
Slovak Republic	1300	6.0	10.2	71.3	5.2	7.3	71.3	0.6	0.2	6.5	70.6	72.1
Slovenia	1017	5.8	8.5	76.1	4.3	5.3	76.1	0.1	0.0	5.2	75.1	77.2
South Africa	1682	18.7	15.7	39.7	22.5	3.4	39.7	0.3	0.7	2.4	36.9	43.3
Spain	1456	12.4	12.0	61.6	5.4	8.7	61.6	0.0	0.5	8.1	59.9	63.5
Sweden	1486	13.4	15.4	63.4	4.3	3.5	63.4	0.1	0.3	3.1	58.9	67.4
Switzerland	1815	6.5	11.0	71.7	2.9	7.9	71.7	0.0	0.0	7.8	69.8	73.5
Thailand	2222	5.4	7.8	80.5	4.9	1.5	80.5	0.0	0.0	1.4	80.5	80.5
United States	2658	8.0	11.1	75.9	3.4	1.5	75.9	0.0	0.3	1.3	75.2	76.6
INTERNATIONAL AVG	.	8.3	11.2	67.8	6.7	6.0	67.8	0.1	0.4	5.5	66.6	69.1

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: D09 KEY: A
 Identify smallest fraction. (Fractions and number sense)
 Difficulty: 478

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	2716	78.6	6.0	7.1	7.6	0.7	78.6	0.0	0.1	0.6	78.8	78.5
Austria	1029	86.7	3.3	6.0	3.4	0.6	86.7	0.0	0.1	0.5	82.3	90.5
Belgium (Fl)	1086	84.8	7.0	2.8	5.1	0.3	84.8	0.0	0.0	0.3	82.5	87.3
Belgium (Fr)	966	78.7	11.6	2.2	5.7	1.9	78.7	0.2	1.1	0.6	76.2	81.8
Bulgaria	778	64.5	11.4	1.4	21.7	1.0	64.5	0.0	0.1	0.8	62.5	66.8
Canada	3117	79.5	5.3	4.6	9.9	0.8	79.5	0.1	0.1	1.0	77.9	81.5
Colombia	996	12.2	9.8	1.6	69.5	6.9	12.2	0.2	5.7	1.0	10.8	13.6
Cyprus	1036	69.5	14.8	5.2	9.3	1.2	69.5	0.1	0.5	0.6	69.2	70.1
Czech Republic	1251	68.2	6.6	12.2	11.8	1.2	68.2	0.2	0.5	0.4	65.7	70.7
Denmark	866	67.1	10.5	5.7	14.4	2.3	67.1	0.3	0.9	1.2	62.4	71.9
England	662	69.6	4.1	9.0	16.7	0.6	69.6	0.0	0.3	0.3	64.3	74.8
France	1137	74.0	6.9	5.1	13.4	0.6	74.0	0.2	0.2	0.2	72.6	75.4
Germany	1056	76.0	7.8	6.4	9.0	0.8	76.0	0.1	0.5	0.2	71.3	80.9
Greece	1480	64.0	12.1	1.9	21.2	0.7	64.0	0.1	0.2	0.5	55.4	72.3
Hong Kong	1252	89.1	3.7	1.3	5.4	0.6	89.1	0.0	0.1	0.5	86.7	91.1
Hungary	1061	72.2	8.9	4.1	13.3	1.4	72.2	0.0	0.4	1.0	68.9	75.4
Iceland	665	86.1	9.5	1.9	2.1	0.4	86.1	0.0	0.1	0.3	83.8	88.3
Iran, Islamic Rep.	1382	48.4	7.3	0.9	42.5	0.9	48.4	0.0	0.0	0.8	38.4	56.6
Ireland	1162	89.4	3.2	4.2	2.6	0.6	89.4	0.1	0.3	0.2	88.3	90.5
Israel	544	87.7	4.7	3.4	2.4	1.7	87.7	0.0	1.1	0.6	84.6	89.9
Japan	1920	90.2	2.6	0.6	6.5	0.1	90.2	0.0	0.1	0.0	89.8	90.7
Korea	1097	80.3	7.9	1.6	10.2	0.0	80.3	0.0	0.0	0.0	76.1	83.7
Kuwait	624	33.4	5.4	25.0	34.7	1.5	33.4	0.0	0.2	1.3	29.9	36.8
Latvia (LSS)	908	50.3	27.1	2.6	18.2	1.7	50.3	0.0	0.9	0.8	46.6	54.8
Lithuania	946	46.4	13.0	2.2	35.1	3.3	46.4	0.1	1.0	2.2	43.6	49.9
Netherlands	726	84.4	6.0	2.9	6.1	0.4	84.4	0.1	0.0	0.3	80.9	87.5
New Zealand	1381	80.5	4.9	8.2	5.9	0.5	80.5	0.2	0.1	0.2	76.6	84.1
Norway	1221	75.7	6.4	3.3	13.7	1.0	75.7	0.0	0.2	0.8	70.9	81.0
Philippines	2250	43.2	24.4	7.5	24.5	0.4	43.2	0.0	0.1	0.3	45.3	40.7
Portugal	1270	38.1	17.6	3.2	39.2	1.9	38.1	0.0	0.4	1.5	33.5	42.6
Romania	1390	49.7	11.5	3.0	33.2	2.6	49.7	0.4	0.5	1.7	50.5	49.0
Russian Federation	1509	55.4	16.6	2.6	23.8	1.6	55.4	0.0	0.4	1.2	53.3	57.8
Scotland	1064	78.3	3.9	9.3	8.1	0.2	78.3	0.1	0.0	0.1	74.9	81.8
Singapore	1758	93.1	5.2	1.0	0.5	0.1	93.1	0.0	0.1	0.1	92.2	94.0
Slovak Republic	1296	71.4	6.6	7.5	13.3	1.3	71.4	0.3	0.2	0.8	68.2	74.7
Slovenia	1017	78.8	6.1	3.3	11.8	0.1	78.8	0.0	0.0	0.1	75.5	82.2
South Africa	1682	31.9	8.3	11.2	46.9	1.7	31.9	0.2	0.7	0.8	23.9	39.6
Spain	1456	46.4	11.9	1.4	39.1	1.2	46.4	0.0	0.6	0.7	45.0	48.0
Sweden	1485	85.1	4.4	2.8	7.1	0.6	85.1	0.1	0.3	0.2	82.9	86.9
Switzerland	1815	84.4	5.6	2.3	6.2	1.6	84.4	0.9	0.0	0.6	83.2	85.6
Thailand	2222	63.7	15.8	1.8	18.1	0.6	63.7	0.0	0.1	0.5	64.1	63.4
United States	2658	71.1	10.8	6.1	11.1	0.8	71.1	0.0	0.3	0.5	66.0	75.9
INTERNATIONAL AVG	.	68.5	9.0	4.7	16.7	1.2	68.5	0.1	0.4	0.6	65.6	71.4

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: D10 KEY: A
 Identify equation which solves word problem: $C=(100+6n)$. (Algebra)
 Difficulty: 582

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	2716	49.1	12.9	12.3	16.4	7.1	2.2	49.1	0.0	0.2	2.0	51.7	46.4
Austria	1029	50.6	10.1	10.0	14.5	10.8	4.0	50.6	0.0	0.1	3.8	52.8	48.9
Belgium (Fl)	1086	62.8	15.7	13.9	2.3	3.5	1.9	62.8	0.0	0.0	1.9	69.4	55.8
Belgium (Fr)	966	34.6	15.2	12.7	14.3	8.6	14.6	34.6	0.0	1.3	13.3	35.7	33.6
Bulgaria	778	63.2	8.3	7.6	12.4	3.4	5.0	63.2	0.5	0.1	4.4	64.3	62.5
Canada	3117	46.9	12.8	12.6	21.9	4.2	1.6	46.9	0.3	0.1	1.3	49.0	44.5
Colombia	996	28.5	18.3	14.2	15.3	11.5	12.3	28.5	0.9	5.8	5.6	29.2	28.0
Cyprus	1036	37.4	11.4	17.7	17.4	12.5	3.5	37.4	0.1	0.5	2.9	38.6	35.9
Czech Republic	1251	58.4	10.1	7.0	16.1	5.5	2.8	58.4	0.1	0.5	2.2	59.2	57.7
Denmark	866	32.9	14.0	15.9	13.1	4.7	19.4	32.9	0.5	0.9	18.0	33.1	33.1
England	662	56.2	11.4	12.6	13.0	4.7	2.2	56.2	0.0	0.3	1.8	58.0	54.5
France	1137	34.8	11.2	13.6	26.3	9.2	5.0	34.8	0.2	0.2	4.6	36.8	31.7
Germany	1056	45.6	12.1	9.9	15.8	5.2	11.4	45.6	1.1	0.5	9.9	44.2	47.2
Greece	1479	56.4	9.9	12.7	12.2	4.7	4.1	56.4	0.0	0.2	3.9	58.4	54.5
Hong Kong	1252	72.3	6.1	6.8	8.4	5.7	0.7	72.3	0.0	0.1	0.6	73.5	71.3
Hungary	1060	47.7	11.7	8.6	23.0	5.2	3.7	47.7	0.0	0.5	3.2	47.8	47.6
Iceland	665	40.9	19.4	13.4	17.0	5.4	3.9	40.9	0.0	0.1	3.8	41.8	40.0
Iran, Islamic Rep.	1382	30.4	15.1	14.2	15.5	21.8	3.0	30.4	0.0	0.0	2.9	34.2	27.5
Ireland	1162	44.1	12.7	11.4	18.9	10.1	2.7	44.1	0.3	0.4	2.0	44.5	43.7
Israel	544	46.4	11.0	11.9	21.8	3.2	5.6	46.4	0.0	1.1	4.5	45.5	48.5
Japan	1920	69.5	4.9	7.2	16.6	1.6	0.2	69.5	0.0	0.1	0.1	70.7	68.5
Korea	1097	73.0	6.3	5.2	11.8	3.5	0.2	73.0	0.0	0.0	0.2	76.1	70.5
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	908	27.4	18.2	8.0	28.5	9.3	8.6	27.4	0.0	0.9	7.6	28.6	25.9
Lithuania	946	31.0	16.2	9.4	20.7	8.4	14.4	31.0	0.4	1.0	13.0	33.3	28.0
Netherlands	726	67.7	10.0	9.9	9.7	1.8	0.9	67.7	0.0	0.0	0.9	69.1	65.7
New Zealand	1381	49.2	13.2	14.5	15.2	6.2	1.7	49.2	0.3	0.1	1.2	51.6	47.1
Norway	1221	39.4	17.2	13.0	20.1	4.0	6.3	39.4	0.0	0.2	6.1	39.8	38.9
Philippines	2250	52.9	14.0	14.7	8.4	9.4	0.6	52.9	0.0	0.1	0.5	55.3	49.9
Portugal	1270	41.8	15.1	12.5	16.2	9.0	5.4	41.8	0.0	0.4	5.0	45.7	38.1
Romania	1389	36.1	8.4	10.1	25.1	11.6	8.6	36.1	0.7	0.6	7.3	39.3	32.9
Russian Federation	1509	40.6	9.9	6.8	22.9	12.1	7.6	40.6	0.2	0.4	6.9	41.6	39.5
Scotland	1064	50.6	13.0	13.6	14.5	6.2	2.1	50.6	0.6	0.0	1.5	51.0	50.3
Singapore	1758	60.1	5.3	4.8	22.6	6.6	0.7	60.1	0.0	0.1	0.6	60.6	59.7
Slovak Republic	1296	40.9	10.0	9.1	27.4	6.2	6.2	40.9	0.3	0.2	5.8	39.3	42.6
Slovenia	1017	55.0	9.3	7.2	22.4	3.6	2.5	55.0	0.8	0.0	1.7	57.3	52.7
South Africa	1682	24.6	16.0	20.7	19.4	15.1	4.2	24.6	0.4	0.7	3.1	24.3	25.0
Spain	1456	55.4	11.2	9.1	14.3	7.1	2.8	55.4	0.0	0.6	2.2	57.7	52.8
Sweden	1485	61.4	7.5	13.8	10.5	4.6	2.3	61.4	0.2	0.3	1.7	64.0	59.3
Switzerland	1815	40.1	15.9	12.6	17.5	6.8	7.0	40.1	0.6	0.2	6.3	39.8	40.5
Thailand	2222	72.9	7.1	5.8	6.5	0.0	7.7	72.9	0.0	0.2	7.5	74.6	70.4
United States	2658	51.3	11.4	13.9	17.1	4.9	1.4	51.3	0.0	0.3	1.1	54.7	48.1
INTERNATIONAL AVG	.	48.3	11.9	11.2	16.7	7.0	4.9	48.3	0.2	0.5	4.2	49.8	46.8

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: D11 KEY: C
 Identify best unit to measure the mass of an egg. (Measurement)
 Difficulty: 364

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	2716	1.4	2.0	89.8	5.8	0.9	89.8	0.0	0.3	0.7	88.9	90.8
Austria	1029	1.9	5.7	83.6	7.8	1.0	83.6	0.0	0.1	0.9	87.0	80.5
Belgium (Fl)	1086	0.5	1.7	94.5	3.0	0.4	94.5	0.0	0.0	0.4	94.9	94.0
Belgium (Fr)	966	2.7	1.6	92.0	1.4	2.3	92.0	0.1	1.3	0.9	93.6	90.3
Bulgaria	778	2.1	1.9	92.7	1.5	1.9	92.7	1.3	0.1	0.4	93.2	92.1
Canada	3117	3.3	3.4	81.7	9.8	1.9	81.7	0.2	0.2	1.5	79.4	84.0
Colombia	996	6.3	6.6	65.5	12.5	9.2	65.5	0.6	5.9	2.7	65.4	65.8
Cyprus	1036	5.5	5.9	70.4	16.3	1.8	70.4	0.2	0.7	0.9	69.0	71.7
Czech Republic	1251	0.5	0.5	95.6	2.1	1.3	95.6	0.3	0.7	0.3	95.2	96.1
Denmark	866	0.8	2.4	89.3	5.4	2.2	89.3	0.1	0.9	1.2	87.5	91.4
England	662	0.8	2.3	85.4	10.6	0.9	85.4	0.0	0.3	0.6	84.8	86.0
France	1137	2.5	3.1	90.6	2.8	0.9	90.6	0.5	0.2	0.2	90.5	91.2
Germany	1056	2.1	3.6	86.2	6.0	2.1	86.2	0.5	0.6	1.0	87.7	85.1
Greece	1480	3.9	3.0	88.4	3.8	0.9	88.4	0.2	0.3	0.4	88.2	88.7
Hong Kong	1252	2.4	6.3	77.2	13.2	0.9	77.2	0.0	0.1	0.8	75.4	78.8
Hungary	1061	1.3	1.6	95.2	0.8	1.0	95.2	0.0	0.5	0.5	95.9	94.5
Iceland	664	0.9	1.9	88.3	8.1	0.9	88.3	0.1	0.1	0.7	89.8	86.8
Iran, Islamic Rep.	1382	1.5	4.4	78.2	15.4	0.5	78.2	0.0	0.2	0.3	68.8	85.8
Ireland	1162	2.3	3.8	80.5	12.2	1.2	80.5	0.1	0.4	0.7	76.3	84.8
Israel	544	1.7	1.1	88.8	5.5	2.9	88.8	0.0	1.1	1.7	87.4	90.5
Japan	1920	0.7	0.8	97.5	0.9	0.2	97.5	0.1	0.1	0.0	97.6	97.4
Korea	1097	0.7	2.9	92.1	4.3	0.0	92.1	0.0	0.0	0.0	90.5	93.4
Kuwait	624	13.2	10.5	52.4	20.9	3.0	52.4	0.0	0.4	2.6	51.6	53.1
Latvia (LSS)	908	1.7	0.9	92.5	2.8	2.2	92.5	0.0	1.2	1.0	92.0	92.9
Lithuania	946	2.7	5.1	89.1	1.0	2.2	89.1	0.2	1.1	0.8	87.0	91.8
Netherlands	726	2.2	4.0	89.0	4.2	0.6	89.0	0.0	0.1	0.5	90.5	87.5
New Zealand	1381	1.1	2.6	84.0	11.2	1.1	84.0	0.2	0.1	0.8	80.0	87.6
Norway	1221	2.0	5.2	88.0	3.4	1.4	88.0	0.0	0.2	1.2	88.5	87.4
Philippines	2250	7.0	4.6	52.6	35.1	0.7	52.6	0.0	0.1	0.5	51.6	53.9
Portugal	1270	1.4	2.5	85.5	8.8	1.8	85.5	0.0	0.7	1.1	84.1	86.9
Romania	1390	2.5	1.8	87.1	6.6	2.0	87.1	0.5	0.6	0.9	87.5	86.7
Russian Federation	1509	2.5	1.5	93.4	1.4	1.3	93.4	0.1	0.8	0.4	93.6	93.1
Scotland	1064	2.2	3.2	81.6	12.0	1.0	81.6	0.3	0.0	0.7	78.9	83.9
Singapore	1758	0.8	1.3	95.9	1.8	0.2	95.9	0.0	0.1	0.1	95.8	96.1
Slovak Republic	1296	1.6	1.4	93.7	1.8	1.5	93.7	0.4	0.2	0.9	92.9	94.5
Slovenia	1017	1.0	1.2	94.0	3.6	0.2	94.0	0.1	0.0	0.1	92.3	95.7
South Africa	1682	12.4	8.8	53.9	22.0	2.9	53.9	0.4	0.7	1.8	48.5	59.2
Spain	1456	1.9	2.5	88.3	5.7	1.7	88.3	0.0	0.6	1.0	87.0	89.7
Sweden	1486	0.3	0.7	93.9	4.2	0.9	93.9	0.0	0.3	0.5	93.5	94.1
Switzerland	1815	1.5	5.3	85.8	5.8	1.6	85.8	0.6	0.3	0.7	87.9	83.7
Thailand	2222	0.8	6.2	82.7	9.3	0.9	82.7	0.1	0.2	0.7	82.1	83.6
United States	2658	5.1	8.0	71.6	14.1	1.2	71.6	0.1	0.3	0.9	71.0	72.1
INTERNATIONAL AVG	.	2.6	3.4	84.7	7.7	1.5	84.7	0.2	0.5	0.8	83.9	85.5

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: D12 KEY: B
 Estimate rational number from point on number line. (Fractions and number sense)
 Difficulty: 450

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	2716	12.1	84.1	2.5	0.9	0.5	84.1	0.0	0.3	0.2	85.6	82.5
Austria	1029	10.6	78.1	4.4	6.0	0.9	78.1	0.2	0.1	0.6	75.9	79.9
Belgium (Fl)	1086	13.9	82.1	1.5	2.5	0.0	82.1	0.0	0.0	0.0	82.1	82.0
Belgium (Fr)	967	10.9	77.0	3.4	6.8	1.9	77.0	0.1	1.3	0.6	73.7	80.6
Bulgaria	778	26.0	65.2	4.3	3.0	1.5	65.2	0.3	0.1	1.1	66.4	63.8
Canada	3117	12.9	82.4	3.4	0.9	0.5	82.4	0.0	0.2	0.3	82.9	82.3
Colombia	996	22.7	42.1	10.1	12.7	12.4	42.1	0.3	7.3	4.8	44.1	40.3
Cyprus	1036	46.2	39.6	5.9	5.8	2.6	39.6	0.1	0.7	1.8	39.5	39.9
Czech Republic	1251	11.0	80.6	1.9	5.4	1.0	80.6	0.0	0.7	0.3	77.5	83.7
Denmark	866	14.0	74.7	3.6	5.5	2.2	74.7	0.1	0.9	1.2	69.9	80.0
England	662	7.5	88.7	2.3	0.9	0.5	88.7	0.0	0.3	0.2	86.5	90.9
France	1137	15.5	76.1	2.3	4.7	1.5	76.1	0.1	0.2	1.2	75.4	76.3
Germany	1056	9.7	83.7	2.7	2.1	1.7	83.7	0.2	0.6	0.9	84.0	83.7
Greece	1480	12.5	77.2	6.4	2.7	1.1	77.2	0.1	0.3	0.7	75.9	78.6
Hong Kong	1252	7.8	87.4	3.2	0.7	0.8	87.4	0.0	0.1	0.8	86.1	88.5
Hungary	1061	14.5	77.4	2.3	4.8	1.0	77.4	0.0	0.5	0.5	76.6	78.1
Iceland	665	17.2	78.6	2.9	1.0	0.4	78.6	0.0	0.1	0.3	82.6	74.9
Iran, Islamic Rep.	1384	57.2	22.8	7.2	12.2	0.5	22.8	0.0	0.2	0.3	20.8	24.2
Ireland	1162	14.2	81.1	2.6	1.5	0.5	81.1	0.2	0.4	0.0	80.4	81.9
Israel	543	11.6	76.1	7.5	2.2	2.6	76.1	0.0	1.1	1.4	72.1	79.5
Japan	1920	5.0	92.5	1.2	1.1	0.2	92.5	0.0	0.1	0.1	92.3	92.7
Korea	1097	16.7	78.6	1.8	2.9	0.1	78.6	0.0	0.0	0.1	77.5	79.4
Kuwait	624	37.1	41.7	9.1	10.1	2.0	41.7	0.0	0.6	1.4	39.9	43.5
Latvia (LSS)	906	17.5	72.5	3.0	4.4	2.6	72.5	0.0	1.2	1.4	69.1	76.7
Lithuania	946	15.4	56.3	13.0	11.3	4.1	56.3	0.0	1.1	3.0	54.1	59.0
Netherlands	726	4.9	92.4	1.9	0.6	0.1	92.4	0.0	0.1	0.0	93.2	92.0
New Zealand	1381	17.3	78.1	3.1	1.0	0.5	78.1	0.0	0.1	0.3	76.5	79.5
Norway	1220	12.3	80.3	3.9	2.6	1.0	80.3	0.0	0.2	0.8	78.9	81.7
Philippines	2249	31.4	52.2	7.8	8.0	0.7	52.2	0.0	0.1	0.5	52.1	52.5
Portugal	1270	15.0	74.6	4.9	3.1	2.3	74.6	0.0	0.7	1.6	76.1	73.2
Romania	1390	35.4	48.5	4.2	6.6	5.3	48.5	0.5	0.6	4.3	47.7	49.3
Russian Federation	1510	15.0	75.7	2.9	4.6	1.7	75.7	0.1	0.8	0.9	76.2	75.1
Scotland	1064	9.1	85.8	4.2	0.7	0.2	85.8	0.0	0.0	0.2	85.1	86.4
Singapore	1758	5.7	91.3	1.9	1.0	0.1	91.3	0.0	0.1	0.0	90.7	91.9
Slovak Republic	1300	16.8	75.1	3.4	3.6	1.2	75.1	0.2	0.2	0.8	74.2	76.0
Slovenia	1017	18.4	73.6	3.0	4.8	0.1	73.6	0.0	0.0	0.1	69.7	77.8
South Africa	1682	37.1	43.9	8.0	9.3	1.7	43.9	0.1	0.8	0.8	37.7	50.2
Spain	1456	28.6	59.0	4.8	6.0	1.7	59.0	0.0	0.7	1.0	58.7	59.3
Sweden	1485	6.7	88.3	2.6	1.6	0.6	88.3	0.0	0.3	0.3	87.6	88.9
Switzerland	1815	7.7	83.0	2.9	5.1	1.3	83.0	0.1	0.3	0.9	81.2	84.9
Thailand	2222	27.4	67.7	2.1	2.3	0.6	67.7	0.0	0.2	0.4	67.4	68.1
United States	2658	14.7	77.7	5.2	1.5	0.9	77.7	0.0	0.3	0.6	77.1	78.3
INTERNATIONAL AVG	.	17.7	72.5	4.2	4.2	1.5	72.5	0.1	0.6	0.9	71.4	73.5

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: E01 KEY: D
 Interpret line graph to determine intersection point of two plots. (Data Rep., Analysis & Prob.)
 Difficulty: 465

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	2726	3.2	4.0	3.4	75.9	12.3	1.1	75.9	0.0	0.1	1.0	74.6	77.3
Austria	1011	0.6	4.5	2.6	82.5	8.2	1.7	82.5	0.0	0.0	1.7	78.9	86.0
Belgium (Fl)	1096	8.4	6.1	5.9	70.6	7.6	1.4	70.6	0.0	0.0	1.4	73.5	67.7
Belgium (Fr)	955	1.8	4.0	4.1	74.6	11.1	4.4	74.6	0.2	0.0	4.2	72.5	77.3
Bulgaria	812	1.2	5.5	4.0	76.7	8.7	3.8	76.7	0.4	0.0	3.4	76.7	77.3
Canada	3154	3.2	5.0	5.2	73.5	12.7	0.4	73.5	0.0	0.0	0.4	72.5	74.9
Colombia	997	3.6	13.1	14.7	40.5	19.6	8.5	40.5	0.1	3.4	5.0	37.6	43.7
Cyprus	1142	1.7	14.7	9.0	64.4	8.3	1.9	64.4	0.6	0.1	1.2	61.1	67.6
Czech Republic	1269	0.1	2.5	1.9	87.7	6.1	1.6	87.7	0.2	0.1	1.4	85.5	89.7
Denmark	860	1.8	2.9	3.6	87.8	2.0	1.8	87.8	0.2	0.0	1.6	85.3	90.3
England	654	2.5	4.0	3.9	74.7	14.0	0.8	74.7	0.0	0.1	0.7	72.5	76.9
France	1137	0.9	2.0	3.5	81.9	9.9	1.8	81.9	0.2	0.0	1.6	79.8	84.5
Germany	1098	0.9	4.4	4.3	79.0	7.0	4.4	79.0	0.1	0.1	4.1	76.3	82.4
Greece	1489	1.3	11.8	8.1	64.1	13.2	1.5	64.1	0.0	0.0	1.5	60.7	67.4
Hong Kong	1246	5.0	4.2	4.8	81.4	3.3	1.4	81.4	0.2	0.0	1.2	80.0	82.5
Hungary	1107	2.7	3.5	2.7	78.5	8.8	3.9	78.5	0.0	0.1	3.8	78.1	78.9
Iceland	675	4.1	10.4	6.8	64.1	12.4	2.2	64.1	0.1	0.0	2.0	64.7	63.5
Iran, Islamic Rep.	1385	9.8	23.6	14.0	27.3	22.2	3.1	27.3	0.1	0.0	3.1	26.6	27.3
Ireland	1150	3.5	5.6	4.8	66.1	18.7	1.3	66.1	0.3	0.2	0.8	62.0	70.4
Israel	564	2.1	4.3	5.7	71.0	12.6	4.2	71.0	0.0	0.3	3.9	69.0	75.1
Japan	1939	0.5	0.4	0.7	97.0	1.3	0.2	97.0	0.1	0.0	0.1	96.8	97.3
Korea	1098	2.1	4.7	4.8	82.8	5.4	0.1	82.8	0.0	0.0	0.1	80.6	84.6
Kuwait	632	8.4	10.8	14.7	40.9	20.3	4.9	40.9	0.0	0.2	4.8	48.4	33.7
Latvia (LSS)	888	1.7	6.0	4.7	70.3	13.9	3.4	70.3	0.0	0.1	3.3	65.9	75.0
Lithuania	946	1.6	4.2	2.9	74.3	11.4	5.6	74.3	0.2	0.1	5.3	73.9	74.9
Netherlands	742	5.5	2.9	5.9	81.7	3.9	0.1	81.7	0.0	0.0	0.1	79.5	83.8
New Zealand	1381	3.2	4.5	3.2	73.9	14.7	0.5	73.9	0.2	0.1	0.3	71.9	75.8
Norway	1224	2.2	4.0	5.6	65.4	20.8	2.1	65.4	0.0	0.0	2.0	65.9	64.9
Philippines	2252	16.3	19.4	15.2	25.9	22.2	1.0	25.9	0.3	0.0	0.7	26.6	25.0
Portugal	1274	5.3	10.2	7.7	59.5	14.6	2.7	59.5	0.0	0.0	2.7	57.0	61.8
Romania	1393	3.9	9.1	7.3	65.4	8.8	5.6	65.4	0.7	0.0	4.9	66.9	63.8
Russian Federation	1524	0.5	3.8	2.7	83.1	7.4	2.6	83.1	0.0	0.2	2.4	81.3	85.1
Scotland	1050	4.3	4.1	4.5	72.9	13.3	1.0	72.9	0.2	0.0	0.8	67.6	77.8
Singapore	1752	4.2	3.3	3.4	80.1	8.6	0.4	80.1	0.0	0.0	0.4	79.9	80.4
Slovak Republic	1324	1.7	2.5	2.9	82.5	7.3	3.0	82.5	0.3	0.0	2.7	78.5	86.4
Slovenia	1028	2.3	3.1	2.6	86.7	4.4	0.8	86.7	0.1	0.0	0.7	84.6	89.2
South Africa	1709	14.9	18.2	21.7	25.7	14.6	5.0	25.7	2.0	0.1	2.9	25.3	26.1
Spain	1453	1.1	4.7	5.3	73.0	14.4	1.5	73.0	0.0	0.1	1.4	68.8	77.5
Sweden	1491	1.2	4.9	3.7	77.9	11.1	1.2	77.9	0.0	0.3	0.9	73.7	81.5
Switzerland	1801	2.0	5.6	3.6	77.6	7.7	3.5	77.6	0.0	0.0	3.5	72.9	82.0
Thailand	2262	7.0	9.1	4.9	59.1	19.0	0.9	59.1	0.0	0.0	0.9	59.3	59.5
United States	2651	2.8	6.7	6.4	71.4	12.2	0.6	71.4	0.1	0.1	0.5	71.0	71.8
INTERNATIONAL AVG	.	3.6	6.6	5.9	70.2	11.3	2.3	70.2	0.2	0.1	2.0	68.7	71.9

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: E02 KEY: D
 Determine angle in congruent triangles. (Geometry)
 Difficulty: 581

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	2726	9.7	15.3	17.8	45.9	9.6	1.8	45.9	0.0	0.1	1.7	47.0	44.8
Austria	1011	5.3	21.4	18.3	41.2	10.3	3.4	41.2	0.7	0.0	2.7	34.4	47.1
Belgium (Fl)	1096	6.2	16.2	12.5	52.1	10.8	2.1	52.1	0.0	0.0	2.1	52.2	52.1
Belgium (Fr)	956	13.0	16.1	12.3	46.6	6.5	5.5	46.6	0.0	0.0	5.5	40.1	54.3
Bulgaria	812	3.1	6.8	6.9	73.9	6.7	2.6	73.9	0.1	0.0	2.5	71.1	77.8
Canada	3154	9.1	18.0	17.1	47.4	7.4	1.0	47.4	0.0	0.0	1.0	47.7	47.8
Colombia	997	26.8	13.2	21.7	18.0	13.5	6.8	18.0	0.4	3.6	2.8	18.5	17.4
Cyprus	1142	11.1	12.8	16.7	49.8	7.6	2.0	49.8	0.4	0.1	1.4	51.2	48.5
Czech Republic	1268	6.0	10.6	10.2	64.8	6.0	2.5	64.8	0.8	0.1	1.6	60.1	69.2
Denmark	860	9.9	18.0	13.7	40.5	8.1	9.9	40.5	0.8	0.0	9.0	39.1	42.3
England	654	13.2	18.7	16.9	38.2	11.1	2.0	38.2	0.0	0.1	1.8	36.9	39.4
France	1137	7.8	9.6	11.9	63.1	6.0	1.7	63.1	0.1	0.1	1.5	56.6	70.6
Germany	1098	4.7	18.7	18.0	44.2	5.5	9.0	44.2	0.9	0.1	7.9	47.6	41.1
Greece	1489	12.2	12.8	16.9	50.6	4.7	2.8	50.6	0.2	0.1	2.5	48.6	52.5
Hong Kong	1245	5.7	6.1	6.7	75.8	5.2	0.4	75.8	0.0	0.0	0.4	73.4	78.0
Hungary	1107	5.0	12.6	16.5	43.8	13.0	9.1	43.8	0.0	0.2	8.8	43.1	44.6
Iceland	675	4.6	16.3	23.6	47.8	4.4	3.3	47.8	0.3	0.0	3.1	51.1	44.4
Iran, Islamic Rep.	1387	11.4	12.1	15.3	41.5	18.0	1.7	41.5	0.0	0.0	1.6	42.9	40.6
Ireland	1150	11.7	12.5	16.6	44.4	12.9	2.0	44.4	0.5	0.3	1.3	44.5	44.2
Israel	564	7.2	10.6	12.5	56.3	9.4	4.1	56.3	0.0	0.6	3.5	53.9	59.3
Japan	1939	1.7	4.6	5.3	83.4	4.3	0.6	83.4	0.5	0.0	0.1	83.7	83.1
Korea	1098	5.7	5.4	5.1	79.8	4.1	0.0	79.8	0.0	0.0	0.0	76.8	82.3
Kuwait	632	10.8	9.0	10.9	57.3	9.7	2.3	57.3	0.0	0.2	2.2	62.1	52.7
Latvia (LSS)	888	11.0	8.9	13.7	53.9	9.2	3.4	53.9	0.0	0.1	3.4	52.3	55.8
Lithuania	945	11.4	12.1	11.8	52.4	7.0	5.3	52.4	0.2	0.2	4.9	53.9	50.7
Netherlands	743	12.1	18.5	17.5	38.9	12.0	1.1	38.9	0.0	0.0	1.1	38.4	39.0
New Zealand	1382	10.9	18.6	18.9	39.4	11.3	0.9	39.4	0.1	0.1	0.7	41.1	37.9
Norway	1225	5.1	22.1	24.1	39.5	7.2	2.1	39.5	0.0	0.0	2.0	38.6	40.5
Philippines	2252	28.1	16.4	19.5	16.1	19.4	0.5	16.1	0.0	0.0	0.4	16.5	15.6
Portugal	1274	25.0	17.0	19.0	27.7	8.1	3.2	27.7	0.0	0.1	3.1	23.8	31.2
Romania	1394	10.1	9.3	18.4	51.2	7.7	3.3	51.2	0.1	0.1	3.1	48.0	54.1
Russian Federation	1525	10.1	8.8	6.9	64.5	7.0	2.8	64.5	0.0	0.2	2.6	62.5	66.7
Scotland	1050	11.0	14.2	16.8	43.0	12.4	2.5	43.0	0.6	0.0	2.0	40.5	45.2
Singapore	1752	2.4	4.1	7.7	82.4	3.2	0.2	82.4	0.0	0.0	0.2	81.6	83.1
Slovak Republic	1323	6.0	7.4	10.4	69.8	4.8	1.5	69.8	0.1	0.0	1.5	69.3	70.4
Slovenia	1028	6.9	24.1	14.5	42.8	9.6	2.2	42.8	0.3	0.0	1.9	42.4	43.4
South Africa	1709	14.5	14.2	23.9	25.0	19.8	2.7	25.0	1.1	0.2	1.4	26.5	23.4
Spain	1453	24.7	20.4	15.2	24.6	12.4	2.7	24.6	0.0	0.1	2.7	23.0	26.3
Sweden	1492	10.1	19.9	22.0	34.5	10.4	3.1	34.5	0.2	0.4	2.4	32.4	36.6
Switzerland	1801	7.1	20.7	15.2	44.5	9.2	3.2	44.5	0.8	0.0	2.4	44.0	45.0
Thailand	2262	6.8	8.2	10.7	65.9	8.1	0.3	65.9	0.0	0.1	0.2	66.1	65.9
United States	2651	18.7	17.2	19.9	31.3	11.9	1.0	31.3	0.1	0.3	0.6	30.7	31.9
INTERNATIONAL AVG	.	10.3	13.8	15.0	48.9	9.2	2.8	48.9	0.2	0.2	2.4	48.0	49.9

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: E03 KEY: B
 Find fraction of hour between two time points. (Fractions and number sense)
 Difficulty: 528

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	2726	13.6	69.1	3.9	9.5	2.8	1.1	69.1	0.0	0.1	0.9	67.6	70.7
Austria	1011	18.7	64.4	3.3	8.8	2.5	2.4	64.4	0.2	0.0	2.2	58.3	70.1
Belgium (Fl)	1096	12.0	71.4	6.4	6.9	1.9	1.4	71.4	0.0	0.0	1.4	71.1	71.7
Belgium (Fr)	956	20.1	55.9	6.1	7.9	3.2	6.8	55.9	0.4	0.1	6.2	53.1	58.7
Bulgaria	812	8.9	67.2	10.1	6.7	2.4	4.7	67.2	1.3	0.0	3.4	66.6	68.0
Canada	3154	16.4	62.2	5.8	12.0	2.6	0.9	62.2	0.0	0.0	0.9	61.4	62.9
Colombia	997	15.2	28.7	26.2	11.9	8.0	9.9	28.7	0.1	3.6	6.2	24.8	33.6
Cyprus	1142	13.9	56.5	8.4	11.5	6.8	2.9	56.5	0.1	0.1	2.7	54.7	58.3
Czech Republic	1268	12.5	59.1	10.9	8.3	4.3	4.9	59.1	1.9	0.1	2.9	59.1	59.1
Denmark	860	12.6	58.3	6.5	12.1	5.7	4.8	58.3	0.0	0.1	4.7	53.7	63.6
England	654	13.1	66.5	4.9	12.3	2.5	0.5	66.5	0.0	0.1	0.4	63.3	69.6
France	1137	14.6	47.2	13.5	13.3	5.3	6.1	47.2	0.4	0.1	5.6	47.0	49.1
Germany	1098	18.3	56.8	7.1	8.5	3.8	5.4	56.8	0.2	0.2	5.0	55.6	59.3
Greece	1489	12.4	51.8	15.0	11.8	4.7	4.3	51.8	0.5	0.1	3.6	47.7	55.7
Hong Kong	1245	4.6	78.6	5.2	7.7	3.5	0.4	78.6	0.0	0.0	0.4	75.2	81.5
Hungary	1107	11.9	59.6	7.4	8.5	4.6	8.0	59.6	0.0	0.2	7.7	56.2	63.3
Iceland	675	12.3	63.1	9.3	9.5	3.6	2.3	63.1	0.0	0.1	2.2	66.1	60.0
Iran, Islamic Rep.	1387	10.9	37.9	24.1	14.9	10.4	1.8	37.9	0.0	0.0	1.8	34.0	41.1
Ireland	1150	15.2	74.0	1.7	6.4	1.8	0.9	74.0	0.2	0.3	0.4	71.7	76.4
Israel	564	14.1	67.0	3.7	10.3	3.1	1.9	67.0	0.0	0.6	1.2	63.1	72.4
Japan	1939	3.6	71.5	7.6	13.5	3.4	0.3	71.5	0.0	0.0	0.3	70.3	72.7
Korea	1098	5.3	71.3	10.8	8.7	3.7	0.1	71.3	0.0	0.0	0.1	64.0	77.2
Kuwait	632	11.6	50.1	15.0	10.3	8.4	4.6	50.1	0.0	0.2	4.4	48.2	51.9
Latvia (LSS)	888	12.3	59.9	15.3	5.5	2.9	4.0	59.9	0.0	0.1	4.0	57.2	62.7
Lithuania	945	14.7	42.9	19.4	7.8	3.2	12.0	42.9	0.9	0.4	10.7	42.6	43.2
Netherlands	743	14.9	69.3	5.7	8.0	1.8	0.4	69.3	0.0	0.1	0.3	68.3	70.2
New Zealand	1382	17.0	64.3	4.2	10.7	3.2	0.6	64.3	0.1	0.1	0.4	64.5	64.0
Norway	1225	14.4	61.8	6.6	12.4	3.2	1.7	61.8	0.0	0.0	1.6	59.5	64.0
Philippines	2252	15.4	43.7	18.7	15.0	6.8	0.5	43.7	0.0	0.0	0.4	43.9	43.4
Portugal	1274	14.6	30.8	25.9	11.9	6.7	10.1	30.8	0.0	0.1	10.0	27.3	33.9
Romania	1394	10.4	49.1	20.0	8.6	4.0	7.8	49.1	1.0	0.1	6.8	48.5	49.6
Russian Federation	1526	9.9	60.8	14.8	5.9	3.5	5.1	60.8	0.2	0.2	4.7	59.3	62.6
Scotland	1050	17.1	65.1	3.0	11.2	3.0	0.5	65.1	0.1	0.0	0.4	61.3	68.7
Singapore	1752	4.1	87.2	1.9	5.0	1.5	0.4	87.2	0.0	0.0	0.4	86.4	88.1
Slovak Republic	1323	12.6	65.6	10.0	6.8	1.8	3.3	65.6	0.6	0.1	2.7	65.0	66.2
Slovenia	1028	11.5	68.2	5.9	8.7	2.8	2.8	68.2	0.0	0.0	2.8	64.9	71.7
South Africa	1709	16.6	24.6	28.0	14.8	12.0	4.0	24.6	1.1	0.2	2.7	24.7	24.3
Spain	1453	13.8	37.4	27.3	11.2	6.2	4.0	37.4	0.0	0.1	4.0	35.6	39.3
Sweden	1492	21.0	63.8	5.7	5.9	2.5	1.1	63.8	0.0	0.4	0.7	63.5	64.0
Switzerland	1801	16.4	61.1	6.2	7.8	4.1	4.4	61.1	1.3	0.0	3.2	57.9	64.1
Thailand	2262	9.1	57.7	15.0	12.4	4.8	1.0	57.7	0.0	0.1	0.9	58.3	56.7
United States	2651	19.1	56.6	7.2	12.1	4.2	0.9	56.6	0.2	0.3	0.4	54.3	59.0
INTERNATIONAL AVG	.	13.3	58.5	10.8	9.8	4.2	3.4	58.5	0.3	0.2	2.9	56.6	60.5

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: E04 KEY: C
 Solve multi-step word problem: 4-digit whole numbers. (Fractions and number sense)
 Difficulty: 483

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	2726	5.1	6.2	70.2	10.8	5.8	2.1	70.2	0.0	0.1	2.0	75.9	64.2
Austria	1011	2.6	4.0	79.7	5.7	5.5	2.5	79.7	0.3	0.0	2.2	83.4	76.9
Belgium (Fl)	1096	6.2	3.1	80.9	4.6	3.8	1.5	80.9	0.0	0.0	1.5	79.4	82.4
Belgium (Fr)	956	18.8	8.2	45.4	9.3	4.0	14.4	45.4	0.0	0.2	14.1	43.0	47.6
Bulgaria	812	4.2	5.9	74.3	5.7	3.8	6.1	74.3	0.7	0.1	5.3	75.4	73.8
Canada	3154	5.8	6.7	76.2	6.0	3.3	1.9	76.2	0.3	0.0	1.6	77.9	74.6
Colombia	997	7.6	8.8	42.9	10.0	10.1	20.5	42.9	0.3	3.9	16.4	43.2	42.3
Cyprus	1141	10.7	11.0	54.0	11.1	8.2	5.1	54.0	0.1	0.1	4.8	53.6	54.4
Czech Republic	1267	7.4	6.3	69.1	5.7	6.2	5.3	69.1	0.9	0.1	4.3	68.0	70.2
Denmark	860	5.2	6.8	51.7	7.4	5.2	23.8	51.7	2.1	0.2	21.5	54.6	48.3
England	654	7.0	11.1	57.9	13.0	7.6	3.5	57.9	0.0	0.1	3.4	58.0	57.7
France	1137	6.6	5.5	69.6	8.7	4.5	5.1	69.6	0.2	0.2	4.6	71.7	68.5
Germany	1098	2.3	6.6	65.1	9.9	7.3	8.9	65.1	1.1	0.2	7.5	69.4	61.1
Greece	1490	3.0	4.6	69.1	6.1	5.2	11.9	69.1	1.4	0.1	10.4	67.5	70.6
Hong Kong	1245	2.5	2.5	86.2	5.4	3.1	0.3	86.2	0.0	0.0	0.3	87.4	85.3
Hungary	1107	11.7	6.4	64.5	5.2	4.1	8.1	64.5	0.0	0.2	7.8	65.5	63.5
Iceland	675	7.6	11.0	61.2	10.7	6.6	3.0	61.2	0.1	0.1	2.8	71.2	51.2
Iran, Islamic Rep.	1387	5.2	6.3	70.1	6.0	10.2	2.3	70.1	0.0	0.0	2.2	70.4	69.5
Ireland	1150	4.8	5.3	78.9	3.7	4.0	3.2	78.9	0.8	0.3	2.2	81.0	76.7
Israel	564	3.9	4.0	78.7	5.0	3.0	5.4	78.7	0.0	0.8	4.6	78.7	78.5
Japan	1939	2.0	3.5	86.9	5.1	2.3	0.2	86.9	0.0	0.0	0.2	88.4	85.5
Korea	1098	2.7	2.8	89.0	4.1	1.3	0.0	89.0	0.0	0.0	0.0	86.3	91.2
Kuwait	632	9.0	11.7	40.2	14.2	12.7	12.1	40.2	0.0	0.2	12.0	42.7	37.9
Latvia (LSS)	888	5.1	5.5	73.7	6.2	5.0	4.5	73.7	0.0	0.2	4.4	77.3	69.6
Lithuania	945	7.1	4.4	67.6	4.7	4.7	11.6	67.6	0.1	0.4	11.1	71.3	63.2
Netherlands	742	6.5	8.6	54.0	15.7	13.6	1.6	54.0	0.2	0.1	1.3	58.3	49.3
New Zealand	1382	8.0	7.2	62.8	11.6	7.6	2.8	62.8	0.7	0.1	2.0	66.3	59.6
Norway	1224	11.4	14.8	50.2	9.3	7.0	7.3	50.2	0.0	0.0	7.2	50.8	49.6
Philippines	2252	15.0	16.1	43.8	13.1	11.4	0.7	43.8	0.0	0.0	0.6	48.7	37.7
Portugal	1273	4.3	3.8	63.5	7.5	11.4	9.5	63.5	0.0	0.2	9.3	65.4	61.8
Romania	1394	9.1	6.2	69.1	5.2	4.2	6.3	69.1	0.5	0.1	5.7	72.3	66.0
Russian Federation	1525	8.0	3.6	77.0	3.3	2.8	5.3	77.0	0.0	0.3	5.0	79.4	74.2
Scotland	1050	6.7	7.5	59.4	13.3	8.9	4.2	59.4	0.3	0.0	3.9	62.1	57.2
Singapore	1752	1.6	1.5	92.9	2.3	1.1	0.7	92.9	0.0	0.0	0.7	93.9	92.2
Slovak Republic	1322	3.0	3.1	76.6	5.8	4.5	7.0	76.6	3.1	0.1	3.9	79.2	74.1
Slovenia	1028	4.4	3.2	81.1	6.9	2.9	1.5	81.1	0.1	0.0	1.4	84.2	77.7
South Africa	1709	18.8	14.9	30.6	11.8	18.3	5.7	30.6	1.0	0.3	4.4	27.9	33.0
Spain	1453	7.5	3.2	74.0	6.6	3.9	4.9	74.0	0.0	0.1	4.8	74.7	73.2
Sweden	1492	4.4	5.6	75.8	7.9	3.4	2.8	75.8	0.2	0.4	2.2	78.8	73.4
Switzerland	1801	2.2	2.9	81.6	6.0	4.2	3.2	81.6	0.2	0.0	3.0	83.2	80.1
Thailand	2262	7.7	6.9	72.9	6.8	4.1	1.6	72.9	0.0	0.2	1.4	74.3	70.9
United States	2651	6.8	7.3	72.6	8.0	4.3	1.0	72.6	0.0	0.3	0.8	76.3	68.8
INTERNATIONAL AVG	.	6.7	6.5	67.6	7.7	6.0	5.5	67.6	0.4	0.2	4.9	69.5	65.8

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: E05 KEY: E
 Find relationship between numbers in a set of ordered pairs. (Algebra)
 Difficulty: 542

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	2726	4.8	3.3	6.8	11.5	70.9	2.7	70.9	0.0	0.1	2.6	74.0	67.6
Austria	1011	3.7	2.8	8.2	18.7	60.1	6.4	60.1	1.2	0.0	5.2	59.8	60.2
Belgium (Fl)	1096	2.5	3.5	5.0	14.8	70.0	4.2	70.0	0.0	0.0	4.2	74.3	65.6
Belgium (Fr)	956	6.1	4.2	6.4	27.3	35.1	20.9	35.1	1.8	0.6	18.5	33.3	38.0
Bulgaria	812	9.4	2.4	8.2	14.2	53.6	12.1	53.6	4.6	0.2	7.3	55.9	51.6
Canada	3154	4.5	3.1	9.4	15.3	64.7	3.0	64.7	0.7	0.0	2.2	66.3	63.1
Colombia	997	12.3	5.0	12.7	17.6	33.9	18.6	33.9	1.2	4.3	13.0	31.5	36.3
Cyprus	1142	7.8	7.3	15.5	27.2	33.8	8.3	33.8	0.8	0.1	7.3	36.3	31.4
Czech Republic	1267	1.8	1.5	5.9	11.6	72.5	6.8	72.5	2.2	0.1	4.5	74.4	70.6
Denmark	860	4.7	2.4	11.7	22.0	44.0	15.2	44.0	1.7	0.2	13.4	45.5	42.3
England	654	3.9	1.8	5.1	10.9	75.8	2.5	75.8	0.0	0.3	2.2	77.0	74.6
France	1137	3.9	2.0	5.9	12.6	66.7	9.0	66.7	2.4	0.3	6.2	66.4	67.2
Germany	1098	5.8	3.1	8.2	15.1	51.6	16.2	51.6	2.2	0.2	13.8	56.8	46.9
Greece	1490	8.7	5.1	10.7	16.7	47.6	11.1	47.6	3.7	0.1	7.3	47.5	47.7
Hong Kong	1245	5.5	4.0	8.7	16.3	64.2	1.2	64.2	0.2	0.2	0.9	61.9	66.1
Hungary	1107	4.4	2.1	5.3	11.5	64.8	12.0	64.8	0.0	0.2	11.7	69.0	60.4
Iceland	675	6.9	7.9	18.0	22.2	36.8	8.2	36.8	0.9	0.3	7.0	44.2	29.2
Iran, Islamic Rep.	1387	9.9	7.9	20.2	20.8	38.7	2.4	38.7	0.4	0.0	2.0	43.1	34.9
Ireland	1150	2.9	4.6	4.6	14.4	68.6	5.0	68.6	2.6	0.3	2.1	70.1	67.0
Israel	564	5.0	2.1	6.9	15.4	60.6	10.0	60.6	0.0	1.3	8.7	59.7	64.0
Japan	1939	2.2	1.8	4.4	9.1	81.5	1.1	81.5	0.7	0.0	0.4	81.5	81.4
Korea	1098	2.4	1.5	2.2	8.2	85.7	0.1	85.7	0.0	0.0	0.1	83.8	87.2
Kuwait	632	6.6	8.7	19.8	20.2	38.5	6.2	38.5	0.0	0.3	6.0	47.0	30.4
Latvia (LSS)	888	5.6	2.0	6.9	13.3	58.2	14.0	58.2	0.0	0.2	13.9	63.1	52.6
Lithuania	946	5.0	2.2	6.7	12.8	57.9	15.5	57.9	4.2	0.5	10.8	61.0	54.2
Netherlands	742	3.8	2.7	6.4	19.9	66.0	1.1	66.0	0.0	0.1	1.0	64.9	66.6
New Zealand	1382	5.6	2.9	6.2	15.8	67.9	1.6	67.9	0.6	0.1	0.9	68.3	67.5
Norway	1225	7.2	4.6	13.0	19.4	48.5	7.5	48.5	0.0	0.0	7.4	51.6	45.3
Philippines	2252	15.8	6.5	11.9	36.5	28.6	0.7	28.6	0.0	0.0	0.6	29.0	28.2
Portugal	1274	7.4	3.1	15.7	21.5	44.3	7.9	44.3	0.0	0.2	7.7	44.8	43.9
Romania	1388	9.9	5.9	9.5	16.1	38.6	20.1	38.6	9.8	0.1	10.2	42.0	35.1
Russian Federation	1519	3.8	2.7	4.5	8.7	67.3	13.0	67.3	5.7	0.4	6.9	70.4	63.7
Scotland	1050	4.1	1.2	5.5	16.4	69.7	3.2	69.7	1.6	0.0	1.6	68.6	70.8
Singapore	1752	1.9	1.6	2.8	17.5	74.5	1.7	74.5	0.0	0.0	1.7	75.7	73.5
Slovak Republic	1322	7.1	2.0	5.0	12.8	62.2	11.0	62.2	3.3	0.1	7.7	63.8	60.7
Slovenia	1028	4.4	2.7	5.0	12.4	67.9	7.5	67.9	1.9	0.0	5.6	68.9	67.3
South Africa	1709	15.6	9.5	19.5	26.5	23.7	5.2	23.7	1.2	0.5	3.6	24.0	23.4
Spain	1453	3.7	1.9	8.7	23.6	53.0	9.0	53.0	0.0	0.2	8.8	54.0	52.0
Sweden	1492	5.6	5.5	11.4	28.9	42.0	6.7	42.0	0.8	0.4	5.5	41.9	42.3
Switzerland	1801	3.3	2.6	5.8	18.0	61.3	9.0	61.3	2.0	0.0	7.0	60.9	61.6
Thailand	2262	5.8	1.9	12.0	36.1	42.5	1.7	42.5	0.0	0.2	1.4	43.9	40.9
United States	2651	5.4	4.6	7.9	18.3	62.1	1.8	62.1	0.5	0.3	1.0	63.8	60.3
INTERNATIONAL AVG	.	5.9	3.7	8.9	17.8	56.1	7.6	56.1	1.4	0.3	5.9	57.6	54.6

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: E06 KEY: B
 Solve word problem to find length of rectangle from width and perimeter. (Measurement)
 Difficulty: 599

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	2726	21.6	49.9	15.2	12.4	0.7	49.9	0.0	0.2	0.6	50.5	49.3
Austria	1011	30.0	46.1	11.9	10.9	1.1	46.1	0.0	0.0	1.1	45.2	46.7
Belgium (Fl)	1096	25.2	55.9	8.6	10.0	0.3	55.9	0.0	0.0	0.3	56.1	55.7
Belgium (Fr)	955	20.5	60.2	9.4	8.9	1.0	60.2	0.0	0.6	0.4	57.7	63.3
Bulgaria	812	23.3	50.1	10.3	13.9	2.4	50.1	0.2	0.2	2.1	51.6	49.0
Canada	3154	26.9	44.3	13.3	14.6	0.9	44.3	0.0	0.2	0.7	44.1	45.2
Colombia	997	19.8	21.8	20.5	29.3	8.6	21.8	0.0	5.1	3.5	22.2	21.2
Cyprus	1142	42.9	35.4	9.6	10.9	1.2	35.4	0.0	0.1	1.1	31.4	39.3
Czech Republic	1265	30.5	49.3	9.2	10.2	0.8	49.3	0.1	0.1	0.6	47.5	51.0
Denmark	860	24.8	36.8	17.7	16.3	4.4	36.8	0.2	0.2	4.1	32.6	41.5
England	654	16.6	48.4	18.7	15.7	0.6	48.4	0.0	0.3	0.3	43.1	53.4
France	1137	19.8	56.4	12.3	10.2	1.3	56.4	0.0	0.3	1.0	52.7	60.2
Germany	1098	31.8	37.2	13.0	16.0	2.0	37.2	0.3	0.3	1.5	37.8	37.0
Greece	1490	29.1	33.6	11.9	23.2	2.1	33.6	0.1	0.1	1.9	28.2	38.7
Hong Kong	1244	30.7	58.8	4.6	5.1	0.7	58.8	0.0	0.2	0.5	55.6	61.7
Hungary	1107	34.5	33.2	8.5	21.1	2.8	33.2	0.0	0.2	2.6	30.9	35.6
Iceland	675	28.2	32.0	22.1	16.8	0.8	32.0	0.0	0.3	0.5	28.8	35.2
Iran, Islamic Rep.	1387	47.3	23.7	8.7	18.7	1.6	23.7	0.0	0.1	1.5	23.0	24.5
Ireland	1150	36.0	37.0	9.6	16.8	0.6	37.0	0.0	0.3	0.3	30.8	43.4
Israel	564	34.4	44.6	7.7	10.3	3.0	44.6	0.0	1.3	1.8	39.7	48.5
Japan	1939	16.6	69.8	6.0	7.5	0.1	69.8	0.0	0.0	0.1	68.0	71.6
Korea	1098	25.9	63.5	3.2	7.4	0.0	63.5	0.0	0.0	0.0	55.0	70.2
Kuwait	632	24.7	25.6	13.3	32.8	3.6	25.6	0.0	0.3	3.3	25.5	25.8
Latvia (LSS)	888	28.2	43.1	12.4	14.8	1.4	43.1	0.0	0.3	1.2	41.8	44.7
Lithuania	946	32.2	32.2	9.8	21.9	3.9	32.2	0.1	0.5	3.4	30.8	34.0
Netherlands	743	26.4	48.4	11.4	13.6	0.2	48.4	0.0	0.1	0.1	45.7	51.3
New Zealand	1382	18.4	45.1	19.5	16.7	0.4	45.1	0.1	0.1	0.2	42.5	47.6
Norway	1225	27.8	36.3	17.8	17.3	0.7	36.3	0.0	0.1	0.6	37.5	35.1
Philippines	2252	41.0	15.3	13.1	30.4	0.1	15.3	0.0	0.0	0.1	15.2	15.4
Portugal	1274	15.8	28.9	21.5	31.7	2.1	28.9	0.0	0.3	1.8	25.9	31.6
Romania	1383	19.0	47.1	11.0	20.3	2.6	47.1	0.2	0.2	2.3	46.5	47.6
Russian Federation	1525	28.6	48.4	9.2	11.8	1.9	48.4	0.0	0.5	1.4	45.8	51.5
Scotland	1050	24.6	42.2	16.9	15.9	0.3	42.2	0.1	0.0	0.2	39.8	44.3
Singapore	1752	11.0	83.3	2.8	2.8	0.1	83.3	0.0	0.0	0.1	83.5	83.1
Slovak Republic	1324	35.1	46.0	6.2	10.9	1.8	46.0	0.2	0.1	1.5	43.8	48.0
Slovenia	1028	29.6	48.5	10.6	10.5	0.9	48.5	0.0	0.0	0.9	49.7	47.4
South Africa	1709	26.2	15.6	20.6	35.6	2.1	15.6	0.1	0.6	1.3	15.1	16.3
Spain	1453	24.8	25.0	20.7	27.3	2.2	25.0	0.0	0.3	1.9	21.7	28.4
Sweden	1492	17.9	47.7	18.6	14.6	1.1	47.7	0.1	0.5	0.6	48.5	46.7
Switzerland	1802	24.0	54.4	10.7	9.9	1.1	54.4	0.1	0.0	1.0	51.6	57.0
Thailand	2262	38.8	37.5	7.0	15.9	0.7	37.5	0.0	0.2	0.4	37.3	38.3
United States	2651	32.9	31.5	15.1	19.7	0.9	31.5	0.0	0.3	0.6	29.7	33.5
INTERNATIONAL AVG	.	27.2	42.6	12.4	16.2	1.6	42.6	0.0	0.3	1.2	40.7	44.5

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: F07 KEY: B
 Solve word problem to find average speed from distance and time. (Proportionality)
 Difficulty: 649

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	2691	33.9	30.0	12.4	16.9	4.6	2.3	30.0	0.0	0.1	2.2	27.5	32.5
Austria	1033	27.9	36.0	11.1	19.6	3.4	2.0	36.0	0.1	0.3	1.6	33.0	38.5
Belgium (Fl)	1087	20.1	42.6	11.6	18.2	5.2	2.2	42.6	0.0	0.0	2.2	43.2	42.0
Belgium (Fr)	950	19.8	42.4	12.4	11.9	5.0	8.5	42.4	0.2	0.2	8.1	39.8	45.5
Bulgaria	494	15.0	54.4	8.2	13.4	4.6	4.4	54.4	0.0	0.2	4.1	59.2	48.1
Canada	3142	31.7	32.2	8.6	21.6	5.2	0.7	32.2	0.0	0.1	0.5	33.4	31.1
Colombia	989	25.7	17.4	13.1	21.4	9.4	13.0	17.4	0.4	3.9	8.8	17.5	17.7
Cyprus	1081	27.6	24.3	12.4	22.3	9.8	3.5	24.3	0.0	0.3	3.2	24.4	24.3
Czech Republic	1240	22.0	45.7	7.5	16.6	4.3	4.0	45.7	0.7	0.1	3.2	41.9	49.2
Denmark	864	32.2	25.0	13.5	15.0	4.0	10.4	25.0	0.0	0.5	9.9	22.3	28.2
England	658	32.1	26.5	16.3	16.1	7.6	1.4	26.5	0.0	0.0	1.4	24.1	28.7
France	1142	27.8	37.8	11.6	15.9	2.7	4.1	37.8	0.0	0.5	3.6	37.2	39.3
Germany	1076	37.4	24.2	13.5	13.6	3.3	8.0	24.2	0.2	0.6	7.2	22.2	26.2
Greece	1499	23.8	23.4	11.0	25.0	9.3	7.4	23.4	0.0	0.1	7.3	22.3	24.6
Hong Kong	1246	15.9	59.2	4.2	15.9	4.2	0.7	59.2	0.0	0.0	0.7	55.5	62.6
Hungary	1112	16.0	40.4	9.3	23.1	5.3	5.9	40.4	0.0	0.5	5.4	39.9	40.9
Iceland	659	29.5	24.7	13.7	22.9	6.1	3.2	24.7	0.1	0.4	2.7	20.3	29.2
Iran, Islamic Rep.	1392	25.4	19.2	17.0	25.8	8.2	4.4	19.2	0.0	0.3	4.2	16.7	21.6
Ireland	1151	36.0	28.9	7.3	22.2	3.8	1.8	28.9	0.4	0.2	1.1	28.6	29.3
Israel	547	27.6	35.6	8.3	17.4	4.2	6.9	35.6	0.0	1.5	5.4	30.8	41.5
Japan	1919	20.3	49.0	5.5	22.3	2.4	0.3	49.0	0.1	0.0	0.3	44.3	53.5
Korea	1103	20.3	37.4	8.3	29.9	3.8	0.3	37.4	0.0	0.0	0.3	32.0	41.8
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	893	27.1	26.5	11.8	20.9	5.8	7.8	26.5	0.0	0.6	7.1	23.9	29.7
Lithuania	958	24.7	40.9	8.2	14.2	3.7	8.4	40.9	0.1	0.2	8.0	43.1	38.4
Netherlands	735	29.8	37.2	9.8	15.4	5.5	2.2	37.2	0.0	0.0	2.2	32.0	41.7
New Zealand	1381	36.7	25.1	15.0	16.2	5.6	1.3	25.1	0.1	0.1	1.1	21.7	28.3
Norway	1238	34.6	27.3	13.7	17.0	3.5	3.9	27.3	0.0	0.1	3.8	23.1	31.8
Philippines	2246	29.7	17.1	16.8	24.9	10.7	0.8	17.1	0.0	0.0	0.7	15.4	19.2
Portugal	1260	26.3	19.8	18.5	20.7	8.5	6.2	19.8	0.0	0.3	5.9	18.6	21.0
Romania	1397	19.4	36.9	8.4	17.1	8.9	9.4	36.9	0.4	0.5	8.4	35.7	38.0
Russian Federation	1533	20.5	50.5	5.4	13.2	3.5	7.0	50.5	0.0	0.5	6.5	52.4	48.3
Scotland	1078	33.5	22.8	14.5	20.1	7.3	1.7	22.8	0.0	0.1	1.6	19.0	26.5
Singapore	1715	10.2	72.3	2.9	10.4	3.8	0.5	72.3	0.0	0.0	0.5	72.3	72.2
Slovak Republic	1319	19.3	46.2	9.1	14.2	5.4	5.8	46.2	1.0	0.2	4.6	45.3	47.1
Slovenia	1042	22.6	42.9	9.2	17.5	4.4	3.5	42.9	0.0	0.0	3.5	43.9	41.9
South Africa	1732	24.1	14.2	19.5	17.8	21.0	3.5	14.2	0.2	0.7	2.6	12.6	16.1
Spain	1456	22.7	28.4	10.7	26.8	6.4	5.0	28.4	0.0	0.4	4.6	26.1	31.0
Sweden	1553	35.3	29.0	13.1	17.5	2.8	2.3	29.0	0.1	0.5	1.7	26.3	31.7
Switzerland	1807	32.6	38.1	8.3	14.5	3.0	3.5	38.1	0.1	0.4	3.0	35.4	40.7
Thailand	2232	26.0	39.5	5.3	23.5	4.4	1.4	39.5	0.0	0.3	1.1	39.0	41.1
United States	2651	36.0	25.8	9.4	22.3	4.9	1.6	25.8	0.0	0.2	1.4	24.3	27.4
INTERNATIONAL AVG	.	26.3	34.1	10.9	18.8	5.7	4.2	34.1	0.1	0.4	3.7	32.3	35.8

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: F08 KEY: C
 Predict probability of occurrence for independent coin toss. (Data Rep., Analysis & Prob.)
 Difficulty: 514

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	2691	10.6	8.5	70.3	9.9	0.7	70.3	0.0	0.1	0.5	71.6	69.1
Austria	1033	12.9	8.2	60.9	15.3	2.7	60.9	0.1	0.3	2.4	61.5	60.6
Belgium (Fl)	1087	6.6	8.3	70.7	13.1	1.4	70.7	0.0	0.0	1.4	73.8	67.6
Belgium (Fr)	950	9.6	7.0	66.5	13.3	3.6	66.5	0.3	0.3	3.0	65.7	68.2
Bulgaria	494	6.8	3.8	78.2	9.8	1.4	78.2	0.5	0.2	0.6	79.8	76.2
Canada	3142	12.9	8.2	67.2	11.0	0.6	67.2	0.0	0.2	0.4	68.1	66.6
Colombia	989	9.6	10.6	42.0	30.4	7.4	42.0	0.1	5.0	2.3	44.9	38.7
Cyprus	1080	11.7	11.5	54.9	20.3	1.5	54.9	0.1	0.3	1.1	55.2	54.7
Czech Republic	1240	10.7	5.7	74.6	7.9	1.1	74.6	0.2	0.1	0.8	72.0	77.0
Denmark	864	7.6	4.6	74.2	9.8	3.8	74.2	0.1	0.8	2.9	73.7	74.6
England	658	8.6	7.9	78.3	5.0	0.3	78.3	0.0	0.0	0.3	79.7	76.9
France	1142	8.3	5.9	65.3	18.2	2.3	65.3	0.7	0.5	1.2	67.6	63.8
Germany	1076	10.3	10.3	63.1	12.8	3.5	63.1	0.6	0.6	2.2	62.5	64.4
Greece	1501	17.5	11.0	55.5	14.5	1.5	55.5	0.0	0.1	1.4	58.1	53.0
Hong Kong	1247	10.9	13.3	56.7	18.4	0.8	56.7	0.2	0.0	0.6	52.6	60.4
Hungary	1112	5.3	4.3	81.5	7.6	1.4	81.5	0.0	0.5	0.8	81.6	81.4
Iceland	659	12.2	12.8	56.5	15.1	3.4	56.5	0.8	0.4	2.2	50.9	62.1
Iran, Islamic Rep.	1392	9.4	20.3	28.6	39.5	2.2	28.6	0.0	0.3	1.9	28.6	28.6
Ireland	1151	12.5	8.6	66.0	12.6	0.4	66.0	0.1	0.2	0.1	65.8	66.2
Israel	547	10.8	10.5	55.2	19.0	4.4	55.2	0.0	1.5	2.9	48.9	63.0
Japan	1919	14.2	15.7	52.8	17.1	0.2	52.8	0.0	0.0	0.1	46.4	59.0
Korea	1103	7.0	5.9	68.2	18.9	0.0	68.2	0.0	0.0	0.0	64.1	71.5
Kuwait	612	8.8	21.3	37.3	28.1	4.5	37.3	0.0	0.7	3.8	39.2	35.3
Latvia (LSS)	893	6.4	7.7	64.9	17.5	3.5	64.9	0.0	0.7	2.8	64.6	65.0
Lithuania	958	8.5	13.9	55.1	19.5	2.9	55.1	0.5	0.2	2.2	57.7	52.2
Netherlands	735	9.4	4.7	72.0	13.7	0.2	72.0	0.0	0.0	0.2	72.9	70.9
New Zealand	1381	12.0	7.8	70.7	9.1	0.4	70.7	0.1	0.1	0.3	70.6	70.8
Norway	1238	7.4	6.7	71.8	11.8	2.2	71.8	0.0	0.1	2.1	75.4	68.1
Philippines	2246	19.2	31.1	23.9	25.1	0.8	23.9	0.0	0.1	0.6	23.8	23.8
Portugal	1261	10.1	13.6	54.5	19.4	2.4	54.5	0.1	0.3	2.0	52.6	56.3
Romania	1397	8.8	8.0	46.6	29.5	7.0	46.6	1.3	0.6	5.1	48.0	45.3
Russian Federation	1533	7.8	7.5	60.1	19.6	5.0	60.1	0.2	0.9	3.9	62.1	57.8
Scotland	1078	13.9	6.1	68.8	10.6	0.5	68.8	0.1	0.1	0.4	69.0	68.6
Singapore	1715	10.1	9.7	46.4	33.2	0.5	46.4	0.0	0.0	0.5	46.3	46.6
Slovak Republic	1319	10.1	8.5	67.0	12.3	2.2	67.0	0.4	0.2	1.5	64.9	69.0
Slovenia	1042	5.9	10.3	68.8	14.2	0.8	68.8	0.1	0.1	0.6	72.5	64.7
South Africa	1732	13.0	20.8	33.9	27.2	5.1	33.9	0.2	0.7	4.2	33.5	35.5
Spain	1456	14.3	6.3	69.8	8.5	1.1	69.8	0.0	0.5	0.6	67.9	71.8
Sweden	1553	6.5	4.7	79.4	8.4	1.0	79.4	0.2	0.5	0.4	80.2	78.5
Switzerland	1807	7.1	5.7	72.3	12.3	2.6	72.3	0.7	0.4	1.5	75.1	69.7
Thailand	2232	15.3	16.4	21.0	46.5	0.9	21.0	0.0	0.3	0.6	20.3	22.4
United States	2651	17.3	11.5	60.2	9.6	1.4	60.2	0.0	0.2	1.1	61.7	58.7
INTERNATIONAL AVG	.	10.4	10.1	60.3	17.0	2.1	60.3	0.2	0.4	1.5	60.3	60.4

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: F09 KEY: C
 Identify decimal fraction between 0.07 and 0.08. (Fractions and number sense)
 Difficulty: 487

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	2691	2.5	4.8	74.4	17.3	1.1	74.4	0.0	0.1	0.9	74.8	74.0
Austria	1033	2.5	4.5	77.5	13.2	2.3	77.5	0.3	0.3	1.7	79.6	75.5
Belgium (Fl)	1087	1.4	3.4	80.4	13.7	1.1	80.4	0.0	0.0	1.1	79.0	81.8
Belgium (Fr)	950	2.7	5.2	71.9	17.0	3.2	71.9	0.2	0.3	2.7	68.4	75.7
Bulgaria	494	4.1	6.5	79.6	7.2	2.6	79.6	0.6	0.2	1.8	78.9	80.5
Canada	3142	2.4	5.9	76.5	14.2	1.0	76.5	0.4	0.2	0.4	77.6	75.8
Colombia	989	9.9	9.4	36.3	30.2	14.2	36.3	0.7	5.1	8.4	33.7	38.8
Cyprus	1079	9.8	13.3	52.9	20.7	3.3	52.9	0.8	0.3	2.2	52.4	53.5
Czech Republic	1240	2.2	3.5	78.1	14.5	1.8	78.1	0.5	0.1	1.2	76.2	79.8
Denmark	864	4.1	8.2	65.9	13.9	7.8	65.9	2.9	0.8	4.1	61.7	71.7
England	658	2.9	4.8	71.3	20.0	1.0	71.3	0.0	0.0	1.0	73.0	69.6
France	1142	1.2	3.1	86.3	8.3	1.2	86.3	0.2	0.5	0.5	87.1	85.8
Germany	1076	2.8	4.7	73.6	14.2	4.8	73.6	1.7	0.7	2.4	69.5	78.6
Greece	1500	7.4	9.1	59.9	20.7	2.9	59.9	0.8	0.1	2.0	60.8	59.1
Hong Kong	1247	3.9	5.9	80.5	9.0	0.7	80.5	0.3	0.0	0.5	78.7	82.1
Hungary	1112	3.8	4.4	67.2	21.6	3.1	67.2	0.0	0.5	2.5	66.0	68.4
Iceland	659	2.4	6.7	80.6	9.2	1.1	80.6	0.0	0.4	0.7	80.5	80.7
Iran, Islamic Rep.	1392	11.5	15.4	31.0	38.6	3.5	31.0	0.3	0.3	2.9	28.3	33.0
Ireland	1151	3.9	6.9	69.6	18.5	1.1	69.6	0.6	0.3	0.2	66.8	72.6
Israel	547	5.5	8.8	60.6	20.2	4.9	60.6	0.0	1.5	3.4	53.8	67.2
Japan	1919	1.4	4.0	85.3	9.1	0.3	85.3	0.2	0.0	0.1	85.1	85.4
Korea	1103	3.1	8.2	83.0	5.6	0.1	83.0	0.0	0.0	0.1	79.8	85.7
Kuwait	612	7.7	12.8	30.8	42.6	6.1	30.8	0.0	0.9	5.2	27.9	33.8
Latvia (LSS)	893	7.6	13.5	59.5	14.8	4.5	59.5	0.0	0.9	3.6	57.2	61.9
Lithuania	958	6.9	7.9	64.8	14.9	5.5	64.8	0.7	0.4	4.4	66.1	63.3
Netherlands	735	1.7	5.6	79.2	13.1	0.5	79.2	0.0	0.0	0.5	74.9	82.9
New Zealand	1381	2.3	5.8	69.5	21.5	1.0	69.5	0.4	0.1	0.5	67.7	71.1
Norway	1238	5.3	7.7	68.9	13.3	4.8	68.9	0.0	0.1	4.7	70.2	67.6
Philippines	2246	16.6	19.4	37.1	26.2	0.7	37.1	0.0	0.2	0.5	36.9	37.4
Portugal	1261	7.7	9.0	55.7	23.9	3.7	55.7	0.0	0.4	3.3	52.5	58.9
Romania	1396	10.0	6.6	47.6	20.3	15.5	47.6	7.4	0.7	7.4	48.2	47.1
Russian Federation	1533	4.8	6.1	66.9	16.8	5.5	66.9	0.3	1.0	4.1	66.0	67.9
Scotland	1078	3.1	5.8	65.9	23.4	1.9	65.9	1.1	0.1	0.7	64.2	67.8
Singapore	1715	1.2	3.6	87.7	7.2	0.3	87.7	0.0	0.0	0.3	86.7	88.7
Slovak Republic	1319	3.8	4.5	73.0	16.4	2.3	73.0	0.7	0.3	1.3	71.4	74.7
Slovenia	1042	4.5	4.4	72.9	15.8	2.4	72.9	0.5	0.1	1.8	71.7	74.2
South Africa	1732	16.1	12.3	33.1	34.0	4.4	33.1	0.7	0.7	3.0	31.5	35.0
Spain	1456	5.8	8.1	60.0	23.1	3.0	60.0	0.0	0.5	2.4	54.8	65.7
Sweden	1553	2.6	6.8	78.1	10.9	1.6	78.1	0.2	0.5	0.9	76.5	79.6
Switzerland	1807	1.8	2.2	81.4	11.5	3.1	81.4	1.2	0.4	1.5	77.9	84.6
Thailand	2232	6.3	14.7	62.6	15.1	1.3	62.6	0.0	0.3	1.0	62.8	62.9
United States	2651	3.4	6.9	69.2	19.0	1.4	69.2	0.0	0.2	1.2	67.3	71.3
INTERNATIONAL AVG	.	5.0	7.4	66.8	17.6	3.2	66.8	0.6	0.5	2.1	65.3	68.4

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: F10 KEY: D
 Determine measurement accuracy of ruler. (Measurement)
 Difficulty: 541

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	2691	3.7	2.7	27.7	64.7	1.2	64.7	0.0	0.1	1.1	62.5	66.9
Austria	1033	1.7	3.3	20.0	65.0	9.9	65.0	3.2	0.3	6.4	60.2	69.4
Belgium (Fl)	1087	4.2	4.1	11.7	79.4	0.6	79.4	0.0	0.0	0.6	78.2	80.5
Belgium (Fr)	950	7.2	5.3	11.6	74.3	1.6	74.3	0.9	0.4	0.3	69.3	79.6
Bulgaria	494	7.6	3.9	9.7	76.2	2.7	76.2	1.9	0.3	0.4	77.1	74.9
Canada	3142	5.3	2.4	39.6	50.4	2.3	50.4	1.6	0.2	0.6	46.5	55.0
Colombia	989	8.5	7.0	44.7	30.2	9.7	30.2	0.3	5.4	4.0	30.7	29.2
Cyprus	1079	10.8	4.9	61.0	21.3	2.0	21.3	0.4	0.3	1.3	15.2	27.0
Czech Republic	1240	3.3	3.3	12.8	77.3	3.3	77.3	2.9	0.3	0.1	72.1	82.1
Denmark	864	9.0	3.6	20.1	60.1	7.1	60.1	4.7	0.9	1.6	57.7	63.0
England	658	5.7	2.5	31.5	58.8	1.5	58.8	0.0	0.1	1.4	58.1	59.5
France	1142	6.6	5.7	8.8	77.2	1.8	77.2	1.0	0.5	0.3	75.2	79.6
Germany	1076	1.9	2.9	24.6	58.5	12.1	58.5	10.7	0.7	0.6	54.4	62.9
Greece	1500	12.6	5.0	41.5	38.9	2.0	38.9	0.5	0.1	1.4	36.5	41.2
Hong Kong	1245	5.7	8.7	22.5	62.8	0.3	62.8	0.1	0.0	0.2	56.2	68.8
Hungary	1112	3.7	4.7	16.2	70.4	4.9	70.4	0.0	0.7	4.2	67.5	73.5
Iceland	659	5.7	4.6	38.2	47.7	3.8	47.7	3.2	0.4	0.2	47.0	48.4
Iran, Islamic Rep.	1392	6.0	4.3	68.1	20.1	1.5	20.1	0.0	0.4	1.0	17.6	22.5
Ireland	1151	10.4	2.0	33.7	51.9	2.1	51.9	1.1	0.3	0.7	42.4	61.4
Israel	548	8.8	6.2	19.8	61.3	3.9	61.3	0.0	1.5	2.3	55.5	69.4
Japan	1919	2.2	3.4	52.1	37.9	4.4	37.9	4.1	0.0	0.3	33.7	41.8
Korea	1103	9.0	17.5	15.4	58.0	0.0	58.0	0.0	0.0	0.0	51.3	63.7
Kuwait	612	10.4	9.2	52.3	24.5	3.6	24.5	0.0	1.3	2.3	24.9	24.1
Latvia (LSS)	897	9.4	5.2	13.9	69.1	2.4	69.1	0.0	0.9	1.5	67.9	70.3
Lithuania	959	11.8	3.9	19.8	60.8	3.7	60.8	2.3	0.5	1.0	59.7	62.1
Netherlands	735	5.0	5.1	21.1	68.8	0.0	68.8	0.0	0.0	0.0	65.3	71.8
New Zealand	1381	4.8	2.3	31.2	60.6	1.1	60.6	0.5	0.1	0.6	58.7	62.4
Norway	1238	7.1	3.1	22.2	62.4	5.3	62.4	0.0	0.1	5.1	62.3	62.5
Philippines	2246	20.0	7.4	53.2	18.7	0.6	18.7	0.1	0.2	0.4	19.8	17.5
Portugal	1261	6.3	2.3	51.6	34.7	5.2	34.7	0.0	0.4	4.8	30.3	38.8
Romania	1392	13.4	5.0	34.7	38.9	8.0	38.9	5.1	0.7	2.2	32.8	44.7
Russian Federation	1533	6.1	5.4	11.8	74.1	2.6	74.1	0.8	1.2	0.6	71.6	77.1
Scotland	1078	4.6	2.1	38.2	54.0	1.2	54.0	0.8	0.1	0.3	49.2	58.4
Singapore	1715	7.1	2.2	37.3	53.2	0.2	53.2	0.0	0.0	0.2	51.0	55.2
Slovak Republic	1319	2.9	4.4	20.9	67.8	4.0	67.8	3.3	0.4	0.3	61.7	74.0
Slovenia	1042	1.5	5.0	12.1	79.2	2.2	79.2	1.8	0.1	0.3	76.4	82.4
South Africa	1732	14.0	8.0	49.7	25.7	2.6	25.7	0.6	0.9	1.1	24.7	27.0
Spain	1456	8.1	3.1	41.6	44.0	3.3	44.0	0.0	0.6	2.6	40.2	48.1
Sweden	1552	4.3	4.9	7.9	82.0	1.0	82.0	0.1	0.6	0.2	79.0	85.0
Switzerland	1806	2.6	3.8	9.7	77.0	6.8	77.0	5.8	0.4	0.5	73.6	80.2
Thailand	2232	17.2	5.5	30.9	45.4	0.9	45.4	0.0	0.3	0.6	44.9	46.2
United States	2651	7.7	2.1	51.0	38.0	1.1	38.0	0.1	0.2	0.8	35.5	40.7
INTERNATIONAL AVG	.	7.2	4.7	29.6	55.3	3.2	55.3	1.4	0.5	1.3	52.2	58.3

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: F11 KEY: A
 Solve multi-step problem using linear equations. (Algebra)
 Difficulty: 577

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	2691	55.0	8.4	16.6	19.2	0.8	55.0	0.0	0.1	0.6	55.0	55.1
Austria	1033	46.1	3.8	12.3	36.4	1.4	46.1	0.0	0.5	1.0	45.5	46.5
Belgium (Fl)	1087	67.5	2.7	10.9	18.3	0.5	67.5	0.0	0.0	0.5	69.5	65.4
Belgium (Fr)	950	60.1	2.3	8.2	26.8	2.6	60.1	0.0	0.4	2.2	62.8	58.2
Bulgaria	494	75.7	5.2	10.4	5.7	3.0	75.7	0.9	0.3	1.7	76.4	74.7
Canada	3142	51.2	9.3	18.6	20.2	0.7	51.2	0.0	0.2	0.5	49.7	53.3
Colombia	989	20.2	11.3	34.1	22.2	12.1	20.2	0.3	5.8	6.0	16.8	23.4
Cyprus	1079	45.7	8.4	18.9	24.8	2.2	45.7	0.1	0.5	1.7	48.4	43.4
Czech Republic	1240	47.2	4.6	13.0	33.1	2.1	47.2	0.3	0.3	1.5	47.0	47.4
Denmark	864	48.1	8.6	27.9	8.5	7.0	48.1	0.0	1.0	6.0	46.1	50.6
England	658	41.6	10.2	23.7	24.0	0.5	41.6	0.0	0.1	0.3	40.9	42.2
France	1142	48.9	8.1	20.5	19.0	3.5	48.9	0.0	0.5	3.1	48.0	50.7
Germany	1076	38.2	7.0	18.7	30.9	5.2	38.2	0.0	0.7	4.4	34.8	41.5
Greece	1500	32.0	10.0	23.7	30.1	4.1	32.0	0.1	0.2	3.8	33.4	30.7
Hong Kong	1245	86.2	3.1	6.2	4.1	0.3	86.2	0.1	0.2	0.0	84.6	87.6
Hungary	1112	60.4	5.0	14.3	16.8	3.5	60.4	0.0	1.0	2.5	63.0	57.6
Iceland	659	47.6	11.4	19.2	20.6	1.1	47.6	0.0	0.4	0.7	53.2	42.1
Iran, Islamic Rep.	1392	38.3	9.5	26.9	22.4	2.9	38.3	0.0	0.6	2.3	31.9	43.3
Ireland	1151	63.9	4.6	9.7	21.0	0.8	63.9	0.2	0.4	0.2	60.4	67.3
Israel	547	56.8	4.4	15.9	18.2	4.6	56.8	0.0	1.7	2.9	54.8	61.1
Japan	1919	71.1	2.8	14.0	12.1	0.0	71.1	0.0	0.0	0.0	70.4	71.8
Korea	1103	80.4	1.9	8.0	9.6	0.1	80.4	0.0	0.0	0.1	78.3	82.1
Kuwait	612	18.0	20.3	30.2	25.3	6.2	18.0	0.0	1.3	4.9	17.9	18.2
Latvia (LSS)	897	44.3	5.6	17.6	28.7	3.9	44.3	0.0	1.0	2.9	45.8	42.5
Lithuania	.	.	.	.	.	.	.	.	.	.	.	.
Netherlands	735	38.8	7.6	18.5	33.7	1.3	38.8	0.0	0.0	1.3	34.4	42.3
New Zealand	1381	45.1	10.3	21.2	22.6	0.7	45.1	0.0	0.1	0.7	44.0	46.2
Norway	1238	37.9	14.5	22.7	20.8	4.1	37.9	0.0	0.1	4.0	39.7	36.0
Philippines	2246	24.5	16.2	33.6	24.8	0.9	24.5	0.0	0.2	0.7	25.1	23.7
Portugal	1261	19.3	12.3	34.1	29.7	4.6	19.3	0.0	0.6	4.1	19.4	19.2
Romania	1394	40.9	7.1	36.7	7.6	7.7	40.9	0.6	0.8	6.2	43.0	39.0
Russian Federation	1533	65.8	4.6	16.6	8.6	4.4	65.8	0.1	1.3	3.0	68.3	62.9
Scotland	1078	40.2	7.7	22.3	28.5	1.3	40.2	0.2	0.1	1.0	36.1	43.9
Singapore	1715	84.6	2.1	3.2	9.9	0.2	84.6	0.0	0.0	0.2	85.2	83.9
Slovak Republic	1319	45.2	6.2	13.3	32.2	3.2	45.2	0.1	0.5	2.6	45.8	44.5
Slovenia	1042	51.9	8.2	15.4	21.5	3.0	51.9	0.1	0.1	2.8	52.1	51.7
South Africa	1732	26.5	15.5	38.9	15.2	3.8	26.5	0.3	1.0	2.5	23.9	29.8
Spain	1456	34.0	9.1	23.8	28.8	4.4	34.0	0.0	0.8	3.6	33.3	34.6
Sweden	1552	48.8	7.2	16.2	26.3	1.5	48.8	0.0	0.6	0.9	49.5	48.0
Switzerland	1806	59.4	4.2	8.7	25.6	2.1	59.4	0.2	0.5	1.3	56.1	62.6
Thailand	2232	45.2	5.9	22.5	25.1	1.3	45.2	0.0	0.3	1.0	46.1	44.3
United States	2651	44.5	10.8	20.7	22.6	1.5	44.5	0.1	0.2	1.1	43.4	45.6
INTERNATIONAL AVG	.	48.7	7.8	19.2	21.5	2.8	48.7	0.1	0.6	2.1	48.3	49.1

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: F12 KEY: C
 Identify fraction of circle which is shaded. (Fractions and number sense)
 Difficulty: 537

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	2691	4.0	14.6	67.3	13.5	0.6	67.3	0.0	0.2	0.3	68.7	66.1
Austria	1033	2.3	12.3	66.0	16.3	3.2	66.0	0.3	0.5	2.4	65.9	66.5
Belgium (Fl)	1087	2.9	8.3	70.4	17.6	0.8	70.4	0.0	0.0	0.8	71.0	69.8
Belgium (Fr)	950	3.2	10.5	67.4	17.6	1.4	67.4	0.0	0.4	1.0	67.6	68.2
Bulgaria	494	5.1	12.8	67.7	11.2	3.2	67.7	0.0	0.3	2.9	69.8	64.9
Canada	3142	4.7	13.0	63.9	17.6	0.8	63.9	0.1	0.2	0.5	64.2	63.9
Colombia	989	14.0	13.6	27.8	35.0	9.6	27.8	0.4	6.4	2.7	27.2	28.6
Cyprus	1079	7.6	20.5	45.3	25.1	1.5	45.3	0.1	0.5	1.0	45.9	44.9
Czech Republic	1240	7.0	13.2	53.8	23.9	2.1	53.8	0.3	0.4	1.4	51.9	55.7
Denmark	864	4.6	11.6	63.9	14.8	5.1	63.9	0.1	1.5	3.5	59.2	69.3
England	658	1.4	10.8	71.2	16.3	0.3	71.2	0.0	0.1	0.1	69.1	73.3
France	1142	3.4	10.5	66.0	18.6	1.5	66.0	0.3	0.6	0.6	68.0	65.5
Germany	1076	4.2	14.0	57.1	19.6	5.0	57.1	0.3	0.7	3.9	57.9	57.1
Greece	1500	8.8	13.7	46.9	27.7	2.9	46.9	0.2	0.2	2.5	45.3	48.5
Hong Kong	1245	4.1	8.2	70.0	17.2	0.5	70.0	0.1	0.2	0.2	65.4	74.2
Hungary	1112	5.0	11.6	52.4	27.5	3.5	52.4	0.0	1.2	2.3	53.4	51.3
Iceland	659	6.1	18.2	55.8	18.5	1.4	55.8	0.0	0.4	1.0	53.5	58.0
Iran, Islamic Rep.	1391	12.3	12.6	32.0	40.8	2.3	32.0	0.0	0.6	1.7	29.9	33.0
Ireland	1151	2.5	16.9	67.4	12.3	0.9	67.4	0.3	0.4	0.2	69.2	65.5
Israel	547	6.1	12.1	61.6	17.0	3.1	61.6	0.0	1.7	1.5	58.9	66.5
Japan	1919	4.0	12.9	62.6	20.2	0.4	62.6	0.1	0.0	0.3	61.2	63.9
Korea	1103	5.4	14.2	49.3	30.9	0.2	49.3	0.0	0.1	0.1	46.2	51.9
Kuwait	612	9.9	21.2	36.5	29.9	2.5	36.5	0.0	1.3	1.2	38.4	34.5
Latvia (LSS)	895	13.4	21.3	41.0	20.0	4.2	41.0	0.0	1.4	2.8	41.2	40.8
Lithuania	959	14.2	18.1	30.8	25.0	11.9	30.8	0.1	1.4	10.4	30.6	31.1
Netherlands	735	3.4	10.2	68.5	17.5	0.3	68.5	0.0	0.0	0.3	67.6	69.5
New Zealand	1381	3.8	14.7	66.7	14.4	0.4	66.7	0.1	0.1	0.2	66.4	66.9
Norway	1238	5.0	17.5	61.7	14.2	1.6	61.7	0.0	0.3	1.3	62.5	60.8
Philippines	2245	15.5	22.4	31.6	29.8	0.7	31.6	0.1	0.3	0.3	32.7	30.2
Portugal	1261	11.1	17.9	40.6	26.0	4.4	40.6	0.1	0.7	3.6	42.0	39.2
Romania	1394	13.0	17.0	39.4	25.2	5.4	39.4	0.3	1.1	4.0	39.0	39.8
Russian Federation	1533	8.2	17.6	52.2	16.6	5.4	52.2	0.3	1.8	3.4	52.1	52.3
Scotland	1078	3.3	10.5	73.5	12.1	0.6	73.5	0.1	0.1	0.5	70.6	76.4
Singapore	1715	1.5	8.4	75.5	14.5	0.1	75.5	0.0	0.0	0.1	73.5	77.5
Slovak Republic	1319	6.1	13.1	51.4	25.8	3.6	51.4	0.6	0.9	2.1	53.1	49.7
Slovenia	1042	7.7	15.5	57.0	18.5	1.3	57.0	0.1	0.1	1.1	55.4	58.6
South Africa	1732	18.0	21.0	27.1	30.3	3.6	27.1	0.3	1.1	2.2	24.1	31.0
Spain	1456	5.3	13.5	50.7	28.4	2.2	50.7	0.0	1.2	1.0	50.9	50.4
Sweden	1553	4.4	12.2	66.7	15.1	1.7	66.7	0.0	0.7	1.0	66.0	67.2
Switzerland	1806	2.8	10.4	68.8	15.5	2.5	68.8	0.6	0.6	1.3	67.8	69.7
Thailand	2232	7.8	11.1	34.1	46.2	0.8	34.1	0.0	0.3	0.5	34.1	33.9
United States	2651	6.0	12.2	60.1	20.6	1.2	60.1	0.0	0.2	1.0	57.6	62.7
INTERNATIONAL AVG	.	6.6	14.1	55.2	21.5	2.5	55.2	0.1	0.7	1.7	54.6	55.9

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: G01 KEY: B
 Interpret frequency table to find number above a given level. (Data Rep., Analysis & Prob.)
 Difficulty: 543

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	2706	23.8	53.0	15.5	2.0	1.5	4.1	53.0	0.0	0.0	4.1	53.1	53.0
Austria	1046	16.6	61.9	15.1	1.3	1.9	3.2	61.9	0.0	0.0	3.2	63.5	60.4
Belgium (Fl)	1085	14.0	66.0	16.1	0.7	0.6	2.7	66.0	0.0	0.0	2.7	67.2	64.8
Belgium (Fr)	962	6.6	72.1	16.3	0.4	0.8	3.8	72.1	0.4	0.0	3.4	71.6	72.7
Bulgaria	658	20.5	54.0	9.9	2.3	1.4	11.9	54.0	0.5	0.0	11.5	51.9	56.5
Canada	3145	24.8	49.2	21.2	1.6	1.5	1.7	49.2	0.0	0.0	1.6	50.5	48.3
Colombia	991	29.1	36.1	17.0	2.5	3.5	11.8	36.1	1.3	1.0	9.5	37.7	34.6
Cyprus	1137	19.6	43.0	24.5	4.4	2.9	5.6	43.0	0.9	0.1	4.6	45.0	40.9
Czech Republic	1226	16.3	64.1	15.0	1.7	0.8	2.1	64.1	0.4	0.1	1.6	63.8	64.5
Denmark	865	17.4	58.3	18.9	1.1	0.6	3.6	58.3	0.2	0.0	3.4	54.8	61.3
England	657	22.7	54.1	17.3	1.0	1.5	3.3	54.1	0.0	0.0	3.3	53.4	54.6
France	1114	7.1	63.0	26.3	1.3	1.0	1.3	63.0	0.2	0.0	1.1	65.2	61.9
Germany	1066	13.5	59.8	21.2	1.4	0.8	3.3	59.8	0.2	0.1	3.0	58.8	60.8
Greece	1492	11.1	60.9	23.4	1.7	1.1	1.7	60.9	0.7	0.0	1.0	59.6	62.2
Hong Kong	1257	9.2	44.3	41.0	2.7	1.8	1.0	44.3	0.0	0.0	1.0	40.5	47.7
Hungary	1080	15.8	61.9	12.8	1.2	1.0	7.4	61.9	0.0	0.0	7.4	60.7	63.0
Iceland	663	14.6	64.1	17.1	0.9	0.9	2.4	64.1	0.5	0.0	1.9	65.5	62.9
Iran, Islamic Rep.	1383	24.0	44.6	17.5	5.8	4.1	4.0	44.6	0.2	0.0	3.8	45.8	43.8
Ireland	1148	18.2	55.6	22.1	1.3	0.9	1.9	55.6	0.5	0.0	1.4	53.3	57.9
Israel	526	13.3	62.9	14.7	1.8	1.2	6.1	62.9	0.0	0.2	5.9	58.0	67.8
Japan	1920	3.9	54.9	38.7	1.8	0.6	0.3	54.9	0.3	0.0	0.0	52.5	57.1
Korea	1099	1.6	83.1	13.9	0.9	0.5	0.0	83.1	0.0	0.0	0.0	80.3	85.5
Kuwait	598	31.1	43.4	11.9	4.0	4.5	5.1	43.4	0.0	0.0	5.1	46.0	40.8
Latvia (LSS)	904	27.3	43.5	17.2	3.1	2.0	6.8	43.5	0.0	0.1	6.7	41.8	45.2
Lithuania	971	20.9	43.4	16.9	2.2	0.8	15.8	43.4	0.2	0.0	15.6	43.8	43.1
Netherlands	764	12.8	70.2	16.1	0.4	0.1	0.3	70.2	0.0	0.0	0.3	73.0	67.6
New Zealand	1365	24.8	53.2	17.6	1.6	1.2	1.7	53.2	0.5	0.0	1.2	52.1	54.1
Norway	1235	28.5	43.0	20.2	2.1	0.8	5.4	43.0	0.0	0.0	5.4	42.3	43.8
Philippines	2253	28.3	42.1	17.1	3.5	7.5	1.6	42.1	0.2	0.0	1.3	42.2	41.8
Portugal	1269	23.6	53.1	18.2	1.0	1.1	3.0	53.1	0.0	0.1	2.9	51.1	54.9
Romania	1386	19.1	46.8	22.6	2.8	1.4	7.3	46.8	0.7	0.1	6.4	46.4	47.5
Russian Federation	1501	23.8	55.6	11.2	2.6	0.8	5.9	55.6	0.1	0.0	5.8	57.1	53.8
Scotland	1073	28.2	51.4	15.2	1.0	0.8	3.2	51.4	0.3	0.0	2.9	48.4	54.3
Singapore	1734	8.8	64.8	24.8	0.8	0.3	0.3	64.8	0.0	0.0	0.3	63.5	66.1
Slovak Republic	1316	28.3	44.7	12.7	2.8	2.3	9.1	44.7	1.3	0.0	7.8	45.8	43.7
Slovenia	1015	13.3	62.4	20.3	1.6	0.4	1.9	62.4	0.2	0.0	1.8	63.4	61.2
South Africa	1706	27.9	22.5	23.9	5.4	16.5	3.8	22.5	0.9	0.1	2.8	21.5	24.2
Spain	1456	20.5	51.8	20.7	1.6	1.1	4.2	51.8	0.0	0.1	4.1	51.6	52.0
Sweden	1546	19.1	60.3	16.7	1.4	0.5	2.1	60.3	0.2	0.0	1.8	58.8	61.9
Switzerland	1823	13.8	63.6	15.4	2.0	1.2	4.0	63.6	0.5	0.0	3.6	62.3	64.8
Thailand	2185	12.5	59.9	21.1	2.1	2.3	2.2	59.9	0.1	0.0	2.1	60.5	58.7
United States	2616	23.3	52.9	18.8	1.8	1.6	1.5	52.9	0.0	0.0	1.4	53.8	52.0
INTERNATIONAL AVG	.	18.6	54.7	18.9	2.0	1.9	4.0	54.7	0.3	0.0	3.7	54.2	55.1

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: G02 KEY: C
 Read meter scale to determine length of a pipe. (Measurement)
 Difficulty: 429

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	2706	4.9	4.7	79.7	10.5	0.2	79.7	0.0	0.0	0.2	78.8	80.4
Austria	1046	3.1	3.1	85.6	7.3	1.0	85.6	0.0	0.1	0.8	85.4	85.5
Belgium (Fl)	1085	3.9	1.0	87.8	7.1	0.2	87.8	0.0	0.0	0.2	85.1	90.3
Belgium (Fr)	962	3.2	3.4	86.4	5.7	1.2	86.4	0.0	0.0	1.2	86.3	86.3
Bulgaria	658	4.3	4.6	80.4	8.4	2.3	80.4	0.3	0.0	2.0	81.5	79.3
Canada	3145	5.7	3.0	80.7	10.5	0.1	80.7	0.0	0.0	0.1	81.7	79.9
Colombia	991	7.7	8.7	49.0	29.2	5.3	49.0	0.0	1.4	4.0	50.7	47.3
Cyprus	1137	7.2	8.8	59.4	22.9	1.7	59.4	0.0	0.1	1.6	60.1	58.5
Czech Republic	1226	1.9	1.0	91.5	5.5	0.1	91.5	0.0	0.1	0.1	91.1	91.9
Denmark	865	5.1	4.9	72.3	16.7	1.0	72.3	0.0	0.0	1.0	66.7	77.5
England	657	5.6	4.6	75.7	13.5	0.6	75.7	0.0	0.0	0.6	73.2	77.8
France	1114	3.2	1.4	87.7	7.6	0.2	87.7	0.0	0.1	0.1	88.0	87.3
Germany	1066	4.3	2.4	84.7	8.0	0.7	84.7	0.0	0.1	0.6	82.4	87.6
Greece	1492	4.7	5.3	76.1	13.3	0.5	76.1	0.1	0.1	0.4	75.4	76.9
Hong Kong	1257	4.4	2.1	88.7	4.1	0.8	88.7	0.1	0.0	0.7	90.7	86.9
Hungary	1080	4.1	2.3	83.2	9.1	1.3	83.2	0.0	0.4	0.9	83.4	83.0
Iceland	663	2.5	1.9	82.0	13.4	0.3	82.0	0.0	0.0	0.3	82.7	81.3
Iran, Islamic Rep.	1383	2.8	3.2	24.4	68.7	0.8	24.4	0.1	0.1	0.6	23.2	25.5
Ireland	1148	2.0	4.7	75.1	18.1	0.1	75.1	0.1	0.0	0.0	73.2	77.0
Israel	526	5.5	5.6	70.3	16.4	2.1	70.3	0.0	0.9	1.2	65.0	76.4
Japan	1920	1.4	0.8	96.3	1.4	0.0	96.3	0.0	0.0	0.0	96.4	96.3
Korea	1099	2.7	1.2	92.4	3.7	0.0	92.4	0.0	0.0	0.0	91.9	92.8
Kuwait	598	6.8	11.8	21.4	58.8	1.2	21.4	0.0	0.0	1.2	19.4	23.5
Latvia (LSS)	904	6.6	6.0	72.9	13.5	1.1	72.9	0.0	0.3	0.8	72.7	73.0
Lithuania	971	3.4	5.4	78.6	10.2	2.3	78.6	0.0	0.0	2.3	77.7	79.7
Netherlands	764	4.4	1.6	86.4	7.4	0.1	86.4	0.0	0.0	0.1	86.7	86.2
New Zealand	1365	5.4	5.0	77.9	11.5	0.1	77.9	0.0	0.0	0.1	77.0	78.7
Norway	1235	4.2	5.2	74.8	15.9	0.0	74.8	0.0	0.0	0.0	71.5	78.1
Philippines	2253	12.4	15.4	45.5	25.7	1.1	45.5	0.0	0.0	1.1	47.0	43.4
Portugal	1269	5.7	5.6	67.9	19.9	0.9	67.9	0.0	0.2	0.8	65.9	69.7
Romania	1386	5.9	5.3	69.1	16.0	3.7	69.1	0.2	0.2	3.3	69.6	68.4
Russian Federation	1503	5.1	3.6	83.2	7.4	0.7	83.2	0.1	0.0	0.6	82.8	83.7
Scotland	1072	5.8	5.2	77.9	11.0	0.2	77.9	0.1	0.0	0.1	78.5	77.2
Singapore	1734	1.8	1.0	96.2	0.9	0.1	96.2	0.0	0.0	0.1	96.6	95.7
Slovak Republic	1316	3.0	1.4	87.1	7.9	0.6	87.1	0.1	0.1	0.4	87.3	86.9
Slovenia	1015	4.4	4.1	84.9	6.3	0.3	84.9	0.0	0.0	0.3	84.1	85.8
South Africa	1706	9.0	12.7	45.4	29.8	3.2	45.4	0.2	0.5	2.6	43.6	47.7
Spain	1456	5.3	6.3	69.6	16.9	1.9	69.6	0.0	0.1	1.8	65.6	73.6
Sweden	1546	3.8	1.5	88.5	5.9	0.2	88.5	0.0	0.1	0.1	88.8	88.2
Switzerland	1823	2.1	1.8	89.0	6.5	0.6	89.0	0.0	0.0	0.6	87.6	90.2
Thailand	2185	4.9	5.1	74.9	14.0	1.1	74.9	0.0	0.0	1.1	75.6	73.9
United States	2616	5.5	4.5	72.2	17.3	0.5	72.2	0.0	0.1	0.4	71.2	73.2
INTERNATIONAL AVG	.	4.7	4.5	75.5	14.4	1.0	75.5	0.0	0.1	0.8	74.8	76.2

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: G03 KEY: C
 Find sum of vertical angles from diagram of intersecting lines. (Geometry)
 Difficulty: 558

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	2706	4.4	33.5	52.1	7.0	2.1	1.0	52.1	0.0	0.0	0.9	51.2	52.8
Austria	1046	8.8	27.3	51.4	6.3	3.4	2.8	51.4	0.3	0.1	2.4	51.7	50.8
Belgium (Fl)	1085	5.0	27.8	59.0	4.2	2.8	1.2	59.0	0.0	0.0	1.2	60.3	57.8
Belgium (Fr)	962	4.1	25.4	59.9	4.8	2.1	3.6	59.9	0.0	0.1	3.5	58.8	61.2
Bulgaria	658	1.7	13.4	75.1	4.2	2.2	3.4	75.1	0.5	0.0	2.9	74.1	76.2
Canada	3145	5.5	36.4	48.0	6.1	3.3	0.6	48.0	0.0	0.0	0.6	44.0	52.2
Colombia	991	11.1	18.0	21.4	12.4	27.4	9.6	21.4	0.4	2.7	6.5	20.4	22.8
Cyprus	1136	5.5	38.1	44.7	6.9	3.2	1.5	44.7	0.2	0.1	1.2	45.1	44.5
Czech Republic	1227	5.3	31.2	57.1	2.8	2.7	0.8	57.1	0.1	0.1	0.7	56.5	57.8
Denmark	865	10.9	34.1	34.9	5.8	4.4	10.0	34.9	0.0	0.0	10.0	32.2	38.2
England	657	6.6	38.3	46.9	5.8	1.6	0.8	46.9	0.0	0.0	0.8	47.5	46.4
France	1114	5.9	28.5	58.5	3.5	2.0	1.6	58.5	0.0	0.1	1.5	59.0	56.2
Germany	1066	6.5	34.1	46.4	5.7	2.0	5.2	46.4	0.3	0.1	4.9	43.0	50.7
Greece	1492	5.7	29.0	48.8	8.8	4.9	2.8	48.8	0.1	0.1	2.6	47.2	50.5
Hong Kong	1257	1.8	14.2	80.5	2.0	0.7	0.7	80.5	0.0	0.0	0.7	82.5	78.8
Hungary	1080	7.6	29.6	52.9	3.7	2.3	3.9	52.9	0.0	0.4	3.5	51.6	54.2
Iceland	662	9.8	42.0	34.9	8.0	2.5	2.8	34.9	0.1	0.0	2.8	38.7	31.5
Iran, Islamic Rep.	1383	3.9	21.2	46.7	11.1	15.6	1.4	46.7	0.0	0.1	1.3	41.8	50.7
Ireland	1148	4.8	31.5	50.9	7.5	4.2	1.2	50.9	0.3	0.0	0.9	49.0	52.7
Israel	526	2.9	30.6	53.2	7.0	2.4	3.9	53.2	0.0	0.9	3.0	55.4	55.0
Japan	1920	1.1	13.0	84.0	1.4	0.5	0.1	84.0	0.0	0.0	0.0	83.2	84.8
Korea	1099	1.7	10.2	85.6	2.1	0.4	0.0	85.6	0.0	0.0	0.0	86.3	84.9
Kuwait	598	9.4	30.3	34.9	10.3	12.1	3.0	34.9	0.0	0.0	3.0	35.5	34.3
Latvia (LSS)	904	2.9	17.8	59.7	10.3	6.3	3.0	59.7	0.0	0.3	2.7	59.7	59.7
Lithuania	971	5.2	26.3	48.5	6.4	6.2	7.3	48.5	0.0	0.0	7.3	48.9	48.1
Netherlands	764	10.0	20.8	59.5	5.2	3.5	1.0	59.5	0.0	0.0	1.0	59.8	58.9
New Zealand	1365	6.1	35.4	49.1	7.0	2.2	0.3	49.1	0.0	0.0	0.3	48.4	49.6
Norway	1235	8.8	42.8	37.5	6.8	1.8	2.2	37.5	0.0	0.0	2.2	36.6	38.4
Philippines	2253	12.1	21.5	27.4	16.0	22.7	0.4	27.4	0.0	0.0	0.3	26.9	28.0
Portugal	1269	7.2	23.8	41.0	16.4	8.2	3.3	41.0	0.0	0.2	3.2	37.1	44.6
Romania	1385	5.6	16.1	61.8	6.3	6.1	4.1	61.8	0.3	0.2	3.6	62.6	60.8
Russian Federation	1503	2.8	22.8	66.0	3.9	2.5	2.0	66.0	0.1	0.0	1.9	65.3	66.8
Scotland	1072	5.9	39.5	44.4	7.3	2.0	0.9	44.4	0.2	0.0	0.8	42.9	45.7
Singapore	1734	1.0	12.6	84.9	1.0	0.2	0.4	84.9	0.0	0.0	0.4	85.5	84.5
Slovak Republic	1317	6.0	22.3	62.0	4.8	3.0	1.9	62.0	0.1	0.1	1.7	61.4	62.6
Slovenia	1015	6.1	24.5	58.2	3.5	5.8	1.8	58.2	0.0	0.0	1.8	58.5	57.8
South Africa	1706	8.3	27.9	18.5	32.0	10.8	2.5	18.5	0.7	0.5	1.3	16.2	21.4
Spain	1456	4.9	21.7	47.5	12.6	9.3	3.9	47.5	0.0	0.1	3.8	45.4	49.7
Sweden	1545	9.0	35.7	40.4	9.7	3.1	2.1	40.4	0.1	0.1	1.9	40.3	40.6
Switzerland	1823	6.5	38.2	49.4	3.0	1.3	1.5	49.4	0.2	0.0	1.4	47.8	50.8
Thailand	2185	7.3	26.1	59.3	4.3	2.6	0.3	59.3	0.1	0.0	0.2	59.5	58.7
United States	2616	6.7	27.9	40.3	13.4	10.7	1.1	40.3	0.1	0.1	0.9	39.9	40.7
INTERNATIONAL AVG	.	6.0	27.2	52.0	7.3	5.1	2.4	52.0	0.1	0.2	2.2	51.4	52.7

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: G04 KEY: B
 Solve simple proportionality equation. (Proportionality)
 Difficulty: 475

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	2706	10.3	77.1	6.0	5.4	1.2	77.1	0.0	0.0	1.2	76.9	77.4
Austria	1046	15.6	71.7	5.3	5.8	1.6	71.7	0.0	0.1	1.5	72.5	71.0
Belgium (Fl)	1085	3.3	87.1	3.0	5.6	1.0	87.1	0.0	0.0	1.0	86.8	87.5
Belgium (Fr)	962	5.3	81.7	4.3	4.5	4.2	81.7	0.3	0.2	3.8	83.0	80.3
Bulgaria	658	7.4	74.0	6.3	7.3	5.0	74.0	0.0	0.0	4.9	77.3	70.7
Canada	3145	7.6	83.3	4.3	4.5	0.4	83.3	0.0	0.0	0.4	83.1	83.7
Colombia	991	16.6	49.0	17.1	8.6	8.7	49.0	0.3	3.0	5.4	46.4	51.6
Cyprus	1136	8.4	68.8	11.4	8.9	2.5	68.8	0.0	0.1	2.4	70.8	66.5
Czech Republic	1227	10.6	76.2	4.5	6.0	2.7	76.2	0.7	0.1	1.9	71.7	80.6
Denmark	865	13.8	66.8	8.3	5.7	5.4	66.8	0.2	0.0	5.2	62.8	70.4
England	657	17.4	61.9	11.5	8.1	1.1	61.9	0.0	0.0	1.1	62.7	61.3
France	1114	8.6	80.4	4.9	4.7	1.4	80.4	0.0	0.1	1.3	82.0	79.2
Germany	1066	12.6	71.7	5.5	5.7	4.5	71.7	0.0	0.2	4.3	71.0	73.2
Greece	1492	7.5	63.8	13.9	10.7	4.1	63.8	0.0	0.1	4.0	63.9	63.8
Hong Kong	1257	3.8	86.6	3.2	5.8	0.6	86.6	0.0	0.0	0.6	86.0	87.2
Hungary	1080	7.3	75.4	6.8	6.5	4.1	75.4	0.0	0.4	3.7	76.6	74.2
Iceland	663	22.1	53.7	14.8	6.5	2.9	53.7	0.1	0.0	2.8	50.8	56.4
Iran, Islamic Rep.	1383	12.9	66.0	10.3	8.5	2.3	66.0	0.0	0.1	2.2	66.6	65.8
Ireland	1148	11.5	80.2	3.9	4.0	0.4	80.2	0.1	0.0	0.3	77.7	82.7
Israel	526	10.8	73.8	3.2	7.5	4.7	73.8	0.0	0.9	3.7	70.8	79.3
Japan	1920	4.6	84.0	5.4	5.8	0.2	84.0	0.0	0.0	0.1	82.9	85.0
Korea	1099	3.2	86.2	4.4	6.1	0.0	86.2	0.0	0.0	0.0	85.9	86.5
Kuwait	598	9.7	40.4	30.1	15.3	4.6	40.4	0.0	0.2	4.4	36.9	43.9
Latvia (LSS)	904	11.3	61.5	14.8	8.9	3.5	61.5	0.0	0.3	3.2	59.3	63.7
Lithuania	971	9.7	55.6	12.8	9.3	12.7	55.6	0.0	0.1	12.6	55.5	55.8
Netherlands	764	13.1	75.7	5.4	4.8	1.0	75.7	0.0	0.0	1.0	80.0	71.8
New Zealand	1365	13.8	70.3	8.1	6.7	1.1	70.3	0.1	0.0	1.0	68.1	72.3
Norway	1235	17.8	62.3	11.2	6.2	2.5	62.3	0.0	0.0	2.5	61.0	63.6
Philippines	2253	16.8	50.5	18.2	14.0	0.5	50.5	0.0	0.0	0.5	53.7	46.5
Portugal	1269	8.9	55.5	16.4	14.3	4.8	55.5	0.0	0.2	4.6	52.9	57.9
Romania	1386	7.5	67.0	13.9	7.0	4.6	67.0	0.2	0.3	4.1	68.9	64.9
Russian Federation	1503	8.2	72.1	9.1	4.7	5.9	72.1	0.1	0.1	5.7	75.6	67.8
Scotland	1072	13.8	64.3	11.2	9.2	1.5	64.3	0.0	0.0	1.5	60.8	67.5
Singapore	1734	1.6	94.2	1.3	2.5	0.3	94.2	0.0	0.0	0.3	93.8	94.6
Slovak Republic	1317	11.4	71.9	7.0	6.2	3.4	71.9	0.5	0.1	2.8	69.9	73.9
Slovenia	1015	13.8	71.3	6.3	6.0	2.5	71.3	0.0	0.0	2.5	70.0	72.8
South Africa	1706	22.5	31.9	25.9	16.9	2.8	31.9	0.3	0.5	2.1	28.4	36.1
Spain	1456	6.4	73.1	8.2	9.5	2.8	73.1	0.0	0.1	2.7	72.0	74.1
Sweden	1546	16.7	64.2	9.3	8.0	1.8	64.2	0.1	0.1	1.6	63.4	65.3
Switzerland	1823	7.4	80.0	3.6	6.7	2.4	80.0	0.1	0.0	2.3	79.8	80.1
Thailand	2185	8.8	79.6	4.3	6.6	0.7	79.6	0.0	0.0	0.7	80.9	77.7
United States	2616	10.8	74.9	6.4	7.1	0.8	74.9	0.0	0.1	0.7	74.4	75.5
INTERNATIONAL AVG	.	10.7	69.9	9.1	7.4	2.8	69.9	0.1	0.2	2.6	69.4	70.5

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: G05 KEY: D
 Identify fraction represented in word problem. (Fractions and number sense)
 Difficulty: 518

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	2706	3.0	4.0	21.0	70.4	0.9	0.7	70.4	0.0	0.0	0.6	72.8	68.1
Austria	1046	3.5	8.4	31.0	52.0	2.9	2.1	52.0	0.1	0.1	1.8	53.7	50.2
Belgium (Fl)	1085	2.7	4.6	15.5	73.9	1.7	1.6	73.9	0.0	0.0	1.6	73.4	74.3
Belgium (Fr)	962	2.0	4.1	23.5	65.3	1.4	3.6	65.3	0.3	0.2	3.1	67.5	63.2
Bulgaria	658	3.3	4.5	24.2	59.6	4.8	3.6	59.6	0.5	0.1	2.9	59.6	60.1
Canada	3145	3.7	5.1	20.7	69.2	1.0	0.4	69.2	0.0	0.0	0.3	71.0	67.8
Colombia	991	3.4	11.0	44.4	27.4	5.6	8.3	27.4	0.7	3.1	4.5	30.6	23.6
Cyprus	1137	3.1	10.3	22.6	58.4	2.9	2.8	58.4	0.3	0.1	2.4	60.5	56.2
Czech Republic	1227	3.3	5.1	25.1	57.9	6.9	1.8	57.9	0.2	0.1	1.6	56.0	59.8
Denmark	865	3.3	4.6	20.1	66.7	2.6	2.7	66.7	0.1	0.0	2.5	67.4	67.0
England	657	2.8	5.0	18.7	71.5	1.8	0.3	71.5	0.0	0.0	0.3	75.4	68.0
France	1114	3.8	3.8	18.1	70.4	1.9	1.9	70.4	0.1	0.1	1.7	73.7	67.9
Germany	1066	4.2	10.1	25.3	54.5	2.3	3.6	54.5	0.6	0.2	2.9	59.1	50.5
Greece	1492	5.6	7.0	15.2	64.8	3.0	4.5	64.8	0.5	0.2	3.8	65.1	64.5
Hong Kong	1257	2.7	8.0	5.3	82.3	1.0	0.6	82.3	0.1	0.0	0.6	82.6	82.1
Hungary	1080	2.4	5.2	34.1	45.5	10.0	2.8	45.5	0.0	0.5	2.3	47.5	43.6
Iceland	663	5.3	11.6	22.1	57.7	3.2	0.1	57.7	0.0	0.1	0.0	63.3	52.8
Iran, Islamic Rep.	1383	7.0	11.2	28.5	43.2	8.7	1.3	43.2	0.0	0.1	1.2	42.0	44.3
Ireland	1148	2.0	4.4	17.1	74.9	0.9	0.7	74.9	0.2	0.0	0.5	74.4	75.4
Israel	526	4.5	4.5	7.6	76.9	3.1	3.4	76.9	0.0	0.9	2.5	79.0	77.3
Japan	1920	4.9	12.8	10.6	70.2	1.4	0.2	70.2	0.1	0.0	0.1	71.6	68.8
Korea	1099	2.5	3.6	2.4	90.4	1.2	0.0	90.4	0.0	0.0	0.0	90.6	90.2
Kuwait	598	5.7	14.3	45.9	24.9	4.7	4.6	24.9	0.0	0.2	4.4	23.8	25.9
Latvia (LSS)	902	5.0	12.0	38.5	37.7	3.5	3.2	37.7	0.0	0.3	3.0	39.8	35.7
Lithuania	972	4.1	9.7	40.0	31.8	5.1	9.4	31.8	0.3	0.2	8.9	33.0	30.4
Netherlands	764	2.7	3.8	19.7	70.9	2.1	0.9	70.9	0.0	0.0	0.9	72.5	69.4
New Zealand	1365	2.4	4.4	17.3	74.2	1.3	0.5	74.2	0.1	0.0	0.4	77.0	71.7
Norway	1235	4.3	6.9	13.9	71.6	2.3	1.0	71.6	0.0	0.0	1.0	71.3	72.0
Philippines	2253	4.4	10.8	51.0	30.1	3.5	0.2	30.1	0.0	0.0	0.1	33.7	25.6
Portugal	1269	4.3	5.6	42.3	37.3	7.5	3.0	37.3	0.0	0.2	2.8	37.8	36.8
Romania	1384	4.7	10.3	37.7	35.6	5.7	6.1	35.6	0.6	0.3	5.2	33.9	37.4
Russian Federation	1503	3.2	7.3	23.8	55.7	5.6	4.3	55.7	0.0	0.1	4.2	57.6	53.5
Scotland	1072	2.3	4.7	18.6	72.5	1.2	0.7	72.5	0.4	0.0	0.3	73.5	71.7
Singapore	1734	1.4	0.8	5.3	92.1	0.3	0.2	92.1	0.0	0.0	0.2	93.4	90.9
Slovak Republic	1315	4.9	7.5	28.3	50.1	6.4	2.9	50.1	0.5	0.2	2.2	51.9	48.2
Slovenia	1015	2.1	8.8	23.0	59.6	3.9	2.5	59.6	0.3	0.0	2.1	60.7	58.4
South Africa	1706	5.2	16.0	43.0	26.2	7.2	2.4	26.2	0.5	0.5	1.4	26.1	26.2
Spain	1456	2.6	5.8	24.8	58.5	6.0	2.3	58.5	0.0	0.2	2.1	58.8	58.2
Sweden	1546	3.3	6.9	15.6	70.6	2.4	1.1	70.6	0.1	0.1	0.9	72.4	69.2
Switzerland	1823	2.8	6.3	19.0	67.3	2.3	2.3	67.3	0.3	0.0	2.0	67.8	66.8
Thailand	2185	3.0	4.5	21.9	68.2	1.1	1.2	68.2	0.1	0.0	1.1	71.7	63.1
United States	2616	2.3	8.8	23.1	64.2	0.9	0.7	64.2	0.0	0.1	0.6	65.9	62.5
INTERNATIONAL AVG	.	3.6	7.2	23.9	59.6	3.4	2.3	59.6	0.2	0.2	1.9	60.9	58.3

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: G06 KEY: E
 Find solution to $-3X$ for given value of X . (Algebra)
 Difficulty: 599

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	2706	26.2	17.3	4.1	4.4	46.3	1.6	46.3	0.0	0.0	1.6	48.1	44.6
Austria	1046	22.1	12.1	3.3	8.4	51.7	2.5	51.7	0.1	0.1	2.2	52.5	50.3
Belgium (Fl)	1085	16.7	12.8	1.6	2.5	64.6	1.8	64.6	0.0	0.0	1.8	67.7	61.7
Belgium (Fr)	962	22.8	9.8	3.2	4.9	53.7	5.8	53.7	0.5	0.2	5.1	56.0	51.6
Bulgaria	658	8.3	4.2	3.9	4.3	75.4	3.8	75.4	0.1	0.1	3.6	76.0	75.1
Canada	3145	31.7	16.3	3.5	3.8	43.7	0.9	43.7	0.0	0.0	0.9	44.2	43.2
Colombia	991	22.6	18.5	17.4	10.0	22.6	8.8	22.6	0.1	3.5	5.3	26.3	18.7
Cyprus	1137	24.0	12.8	5.9	6.5	48.7	2.1	48.7	0.0	0.1	2.0	51.9	45.3
Czech Republic	1227	9.5	7.7	2.6	5.9	72.8	1.6	72.8	0.3	0.1	1.2	73.1	72.5
Denmark	865	25.4	25.2	7.6	7.9	26.4	7.4	26.4	0.1	0.0	7.3	24.9	27.7
England	657	31.3	28.0	4.8	6.4	28.7	0.8	28.7	0.0	0.0	0.8	27.4	29.9
France	1114	23.3	11.4	3.9	4.9	53.7	2.8	53.7	0.0	0.1	2.7	54.7	53.7
Germany	1066	20.8	15.7	5.2	7.2	43.1	7.9	43.1	0.0	0.2	7.7	44.6	41.8
Greece	1492	21.9	15.7	7.7	9.6	39.1	5.9	39.1	0.0	0.2	5.8	38.6	39.6
Hong Kong	1257	8.1	6.7	1.9	3.4	78.9	0.9	78.9	0.1	0.0	0.8	78.0	79.7
Hungary	1080	15.4	4.3	2.0	3.9	73.1	1.3	73.1	0.0	0.6	0.7	78.6	67.9
Iceland	663	34.7	39.4	11.6	7.4	4.4	2.5	4.4	0.0	0.1	2.4	5.2	3.6
Iran, Islamic Rep.	1385	21.6	10.1	6.0	4.6	56.0	1.8	56.0	0.0	0.1	1.7	59.0	53.9
Ireland	1148	23.1	15.3	4.7	6.6	48.8	1.5	48.8	0.5	0.0	1.0	47.1	50.6
Israel	526	13.8	3.4	2.6	7.4	68.7	4.0	68.7	0.0	0.9	3.1	67.6	71.4
Japan	1920	6.4	7.3	1.8	6.6	77.7	0.2	77.7	0.0	0.0	0.1	75.8	79.4
Korea	1099	7.3	8.3	1.5	3.2	79.7	0.0	79.7	0.0	0.0	0.0	78.1	80.9
Kuwait	598	24.7	20.1	5.5	4.3	43.2	2.2	43.2	0.1	0.4	1.7	54.5	31.9
Latvia (LSS)	902	15.0	9.3	4.4	8.2	59.8	3.3	59.8	0.0	0.4	2.9	61.4	58.2
Lithuania	972	13.7	8.2	3.2	7.3	60.8	6.8	60.8	0.1	0.3	6.4	63.9	57.4
Netherlands	764	18.5	16.9	7.9	14.2	40.3	2.1	40.3	0.1	0.0	2.0	42.3	38.3
New Zealand	1365	32.3	25.1	6.1	8.0	27.6	0.9	27.6	0.1	0.0	0.8	29.1	26.4
Norway	1235	32.9	26.5	5.9	6.4	25.7	2.6	25.7	0.0	0.0	2.6	25.2	26.3
Philippines	2253	41.5	20.8	6.9	6.4	24.0	0.4	24.0	0.0	0.0	0.4	26.1	21.4
Portugal	1269	25.2	20.0	10.8	8.9	31.3	3.8	31.3	0.0	0.2	3.6	31.8	30.9
Romania	1386	15.0	6.4	6.1	8.7	59.7	4.1	59.7	0.4	0.6	3.2	61.2	57.9
Russian Federation	1503	8.3	4.8	2.1	5.0	78.1	1.7	78.1	0.0	0.3	1.4	81.9	73.5
Scotland	1072	35.5	30.0	6.0	7.3	19.2	2.0	19.2	0.0	0.0	2.0	20.1	18.4
Singapore	1734	10.7	3.8	2.2	4.5	78.4	0.4	78.4	0.0	0.0	0.4	80.8	76.2
Slovak Republic	1315	11.0	6.4	3.1	8.4	69.7	1.3	69.7	0.1	0.2	1.1	74.5	64.9
Slovenia	1015	12.9	8.9	2.8	10.7	63.1	1.7	63.1	0.0	0.0	1.7	67.6	58.0
South Africa	1706	30.8	28.4	15.7	8.0	14.9	2.1	14.9	0.2	0.5	1.5	15.2	14.5
Spain	1456	15.6	7.5	4.6	7.7	63.0	1.6	63.0	0.0	0.2	1.4	63.7	62.4
Sweden	1546	56.8	17.7	6.4	6.4	10.7	2.0	10.7	0.0	0.1	1.8	11.4	10.1
Switzerland	1823	37.3	28.2	3.8	6.8	19.8	4.1	19.8	0.3	0.0	3.8	18.1	21.3
Thailand	2185	23.2	8.4	5.0	8.3	54.4	0.7	54.4	0.0	0.0	0.7	56.2	51.9
United States	2616	24.2	12.5	4.8	6.7	50.4	1.4	50.4	0.0	0.1	1.3	51.2	49.5
INTERNATIONAL AVG	.	22.0	14.6	5.2	6.7	48.9	2.6	48.9	0.1	0.2	2.3	50.3	47.4

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: H07 KEY: C
 Interpret barchart histogram to find number above a given level. (Data Rep., Analysis & Prob.)
 Difficulty: 481

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	2694	3.2	9.1	80.5	2.1	4.6	0.5	80.5	0.0	0.0	0.4	81.3	79.8
Austria	1034	5.4	14.1	67.0	3.5	7.6	2.4	67.0	0.1	0.1	2.1	67.7	66.1
Belgium (Fl)	1103	2.1	10.5	80.4	2.6	3.6	0.8	80.4	0.0	0.3	0.5	76.8	84.1
Belgium (Fr)	979	8.4	13.6	71.4	2.0	2.7	2.0	71.4	0.4	0.1	1.5	71.8	71.4
Bulgaria	649	7.3	12.4	67.9	2.8	4.8	4.8	67.9	2.6	0.0	2.2	67.4	68.5
Canada	3101	4.7	10.6	73.4	3.6	6.7	1.0	73.4	0.3	0.2	0.5	74.3	73.2
Colombia	980	11.6	22.5	35.5	7.6	14.8	8.0	35.5	0.6	2.0	5.4	34.6	36.6
Cyprus	1062	8.9	16.4	55.3	7.0	9.1	3.2	55.3	1.4	0.0	1.8	53.7	57.1
Czech Republic	1231	4.5	20.1	67.5	3.0	2.6	2.4	67.5	1.8	0.0	0.6	65.0	69.8
Denmark	872	2.2	9.7	78.6	3.0	4.1	2.3	78.6	0.8	0.0	1.5	76.5	80.9
England	654	2.4	12.2	77.5	2.5	5.1	0.3	77.5	0.0	0.0	0.3	76.4	78.7
France	1117	5.4	10.0	79.8	1.6	2.2	0.8	79.8	0.5	0.1	0.2	76.8	83.0
Germany	1079	5.9	8.5	73.2	3.4	6.0	2.9	73.2	0.9	0.3	1.7	75.6	71.3
Greece	1500	14.4	15.3	51.4	6.6	8.1	4.1	51.4	1.4	0.0	2.7	49.5	53.3
Hong Kong	1254	1.3	5.6	86.5	2.3	3.9	0.4	86.5	0.0	0.0	0.4	84.6	87.9
Hungary	1085	7.8	14.1	67.3	3.8	1.2	5.9	67.3	0.0	0.5	5.5	67.3	67.3
Iceland	652	2.1	13.6	77.6	1.9	4.2	0.5	77.6	0.2	0.0	0.3	78.2	77.1
Iran, Islamic Rep.	1373	15.1	21.3	47.8	5.4	8.6	1.9	47.8	0.1	0.2	1.6	47.6	48.0
Ireland	1156	2.5	10.7	79.7	3.2	3.3	0.6	79.7	0.3	0.1	0.1	78.9	80.6
Israel	518	8.0	17.1	62.5	5.3	5.7	1.5	62.5	0.0	0.4	1.1	62.5	65.4
Japan	1934	1.6	8.8	84.3	2.2	3.0	0.1	84.3	0.1	0.0	0.0	84.7	84.0
Korea	1085	1.1	3.8	91.6	2.2	1.2	0.0	91.6	0.0	0.0	0.0	88.9	93.9
Kuwait	638	15.3	15.9	41.7	7.1	15.1	4.9	41.7	0.0	0.6	4.3	44.1	39.4
Latvia (LSS)	918	8.2	24.7	51.0	4.4	8.1	3.6	51.0	0.0	0.3	3.3	51.4	50.8
Lithuania	934	10.7	22.1	50.8	4.8	5.4	6.2	50.8	1.5	0.3	4.5	51.2	50.4
Netherlands	758	2.1	11.7	81.1	1.9	2.9	0.3	81.1	0.0	0.3	0.0	80.7	81.2
New Zealand	1364	3.3	9.7	79.7	2.9	4.1	0.3	79.7	0.3	0.0	0.1	76.2	83.0
Norway	1216	3.0	12.1	75.0	3.6	5.7	0.6	75.0	0.0	0.0	0.6	77.0	73.2
Philippines	2274	6.2	27.0	49.0	5.2	12.1	0.5	49.0	0.0	0.0	0.4	48.4	49.8
Portugal	1256	6.8	15.6	67.1	3.1	5.1	2.3	67.1	0.0	0.1	2.2	62.8	71.2
Romania	1390	14.2	16.3	47.2	6.8	8.4	7.1	47.2	2.6	0.6	4.0	47.2	47.3
Russian Federation	1506	7.8	22.9	58.7	2.1	4.4	4.2	58.7	0.9	0.2	3.1	58.7	58.7
Scotland	1050	1.4	12.6	78.4	3.1	4.0	0.6	78.4	0.1	0.0	0.5	76.5	80.0
Singapore	1727	1.1	6.0	89.1	1.7	2.0	0.0	89.1	0.0	0.0	0.0	89.1	89.1
Slovak Republic	1312	5.7	19.9	63.7	3.9	4.4	2.5	63.7	0.9	0.3	1.3	64.1	63.2
Slovenia	1015	3.5	16.7	72.9	3.8	2.2	1.0	72.9	0.8	0.0	0.2	70.1	76.0
South Africa	1674	12.5	18.4	23.7	7.6	34.9	2.9	23.7	0.4	0.5	2.0	18.4	28.8
Spain	1426	7.8	19.0	58.4	4.2	6.4	4.3	58.4	0.0	0.0	4.3	55.2	61.5
Sweden	1491	2.7	13.3	74.7	3.9	5.1	0.3	74.7	0.2	0.1	0.1	74.6	74.7
Switzerland	1808	4.0	9.8	76.7	3.2	4.8	1.5	76.7	0.8	0.2	0.4	76.8	76.7
Thailand	2145	2.6	10.7	80.4	2.1	3.7	0.4	80.4	0.0	0.0	0.4	80.5	80.4
United States	2613	4.0	13.4	73.3	4.0	4.8	0.6	73.3	0.0	0.1	0.5	76.3	70.4
INTERNATIONAL AVG	.	5.9	14.2	67.8	3.7	6.1	2.2	67.8	0.5	0.2	1.5	67.1	68.7

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: H08 KEY: E
 Identify figure showing 2/3 shaded. (Fractions and number sense)
 Difficulty: 442

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	2694	8.4	3.2	0.6	1.5	84.0	2.2	84.0	0.0	0.0	2.2	87.9	80.3
Austria	1034	6.4	6.8	1.7	2.2	79.0	3.9	79.0	0.9	0.1	2.9	80.0	78.1
Belgium (Fl)	1103	1.6	2.7	1.1	1.0	91.9	1.6	91.9	0.0	0.3	1.3	92.6	91.1
Belgium (Fr)	980	5.1	4.2	0.4	1.1	86.9	2.4	86.9	0.6	0.1	1.7	88.1	85.5
Bulgaria	649	14.1	6.7	2.2	2.6	69.7	4.7	69.7	0.5	0.0	4.2	67.5	72.2
Canada	3101	5.0	3.7	0.6	1.8	85.6	3.5	85.6	2.1	0.4	1.0	87.8	83.6
Colombia	980	42.2	9.1	4.0	1.7	33.2	9.8	33.2	0.5	2.7	6.6	30.3	36.1
Cyprus	1062	7.3	4.2	1.5	1.9	80.7	4.4	80.7	0.4	0.0	4.0	83.7	78.2
Czech Republic	1231	16.1	4.9	3.5	4.5	68.3	2.7	68.3	0.9	0.0	1.8	64.2	72.2
Denmark	872	12.3	5.0	1.7	1.9	73.8	5.4	73.8	2.9	0.0	2.5	73.8	74.3
England	654	11.8	4.3	0.9	1.8	79.2	1.9	79.2	0.0	0.0	1.9	82.4	76.1
France	1117	10.6	2.9	1.1	1.3	82.1	1.9	82.1	1.3	0.1	0.5	84.1	81.8
Germany	1080	14.2	6.2	2.0	2.1	67.5	8.0	67.5	4.3	0.4	3.2	66.1	69.1
Greece	1500	11.9	5.2	1.1	1.8	75.0	4.9	75.0	3.9	0.0	1.0	74.1	75.8
Hong Kong	1254	2.3	1.8	0.9	1.0	89.2	4.8	89.2	0.0	0.0	4.8	87.7	90.4
Hungary	1085	10.6	5.2	2.2	2.5	74.3	5.2	74.3	0.0	0.5	4.7	73.7	74.9
Iceland	652	7.4	6.1	0.8	2.2	79.8	3.8	79.8	2.4	0.0	1.4	79.6	79.9
Iran, Islamic Rep.	1373	6.9	5.6	1.9	5.7	78.0	1.8	78.0	0.5	0.3	1.0	75.4	80.3
Ireland	1156	8.1	2.9	1.7	0.9	84.7	1.6	84.7	0.5	0.1	1.0	84.2	85.3
Israel	518	8.6	4.6	0.8	1.1	82.7	2.2	82.7	0.0	0.4	1.8	81.7	85.1
Japan	1934	5.2	1.3	0.5	1.5	90.5	1.0	90.5	0.5	0.0	0.5	92.3	88.9
Korea	1085	6.2	5.2	0.6	2.0	85.9	0.0	85.9	0.0	0.0	0.0	83.7	87.8
Kuwait	638	30.1	17.0	3.1	6.9	34.0	8.9	34.0	0.0	0.6	8.3	38.7	29.6
Latvia (LSS)	918	28.2	6.2	3.0	2.6	55.0	5.0	55.0	0.0	0.3	4.6	53.2	57.1
Lithuania	934	41.6	7.0	2.4	3.4	40.0	5.6	40.0	0.3	0.4	4.9	40.6	39.3
Netherlands	758	4.4	2.9	1.6	2.0	87.5	1.6	87.5	0.0	0.3	1.3	85.0	90.0
New Zealand	1364	8.6	1.9	0.7	0.9	86.2	1.6	86.2	0.8	0.0	0.8	85.4	86.9
Norway	1216	7.4	6.0	0.8	2.7	77.1	6.2	77.1	0.0	0.0	6.2	78.1	76.1
Philippines	2274	35.4	5.5	1.6	3.2	50.9	3.4	50.9	0.0	0.0	3.3	55.7	45.1
Portugal	1256	40.7	10.6	3.1	4.4	36.7	4.5	36.7	0.0	0.1	4.4	33.7	39.6
Romania	1388	21.5	13.8	2.6	3.4	45.9	12.8	45.9	3.4	0.6	8.8	46.2	45.5
Russian Federation	1506	22.1	9.1	2.5	1.5	60.6	4.1	60.6	0.6	0.2	3.3	58.4	63.1
Scotland	1050	8.8	2.7	1.6	2.2	82.9	1.9	82.9	1.2	0.0	0.7	84.6	81.4
Singapore	1727	1.7	0.9	0.3	0.9	95.9	0.3	95.9	0.0	0.0	0.3	97.1	95.0
Slovak Republic	1312	13.3	8.9	3.8	4.0	65.7	4.3	65.7	0.4	0.3	3.6	64.0	67.4
Slovenia	1013	13.1	4.7	0.8	1.2	78.2	2.0	78.2	1.3	0.0	0.6	76.4	80.2
South Africa	1674	40.8	12.0	3.6	4.6	22.3	16.8	22.3	0.6	0.5	15.6	23.0	21.1
Spain	1426	16.1	3.9	0.7	1.0	74.5	3.8	74.5	0.0	0.1	3.7	75.9	73.1
Sweden	1491	6.7	3.2	0.9	2.0	83.9	3.4	83.9	2.8	0.1	0.6	84.5	83.2
Switzerland	1808	8.3	3.1	0.9	1.1	82.9	3.6	82.9	2.8	0.2	0.6	83.6	82.3
Thailand	2145	10.2	1.0	0.3	0.9	86.2	1.3	86.2	0.0	0.0	1.3	87.1	85.1
United States	2613	7.6	2.8	0.8	1.6	85.3	2.0	85.3	0.4	0.1	1.5	86.9	83.9
INTERNATIONAL AVG	.	14.0	5.4	1.6	2.3	72.7	4.1	72.7	0.9	0.2	3.0	72.8	72.7

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: H09 KEY: B
 Identify sum which is closest to 691 + 208. (Fractions and number sense)
 Difficulty: 370

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	2694	3.1	92.3	3.4	0.9	0.3	92.3	0.0	0.0	0.2	93.1	91.6
Austria	1034	5.7	89.6	3.0	1.1	0.6	89.6	0.1	0.1	0.4	87.8	91.3
Belgium (Fl)	1103	3.1	92.5	3.0	0.7	0.7	92.5	0.0	0.3	0.3	93.1	91.9
Belgium (Fr)	980	3.2	90.9	4.2	0.7	1.1	90.9	0.0	0.1	1.0	91.2	90.8
Bulgaria	649	7.5	82.2	5.8	2.0	2.5	82.2	1.2	0.0	1.3	81.8	82.6
Canada	3101	3.7	91.6	2.4	1.3	1.1	91.6	0.0	0.6	0.5	92.4	91.4
Colombia	980	19.0	64.5	8.2	3.5	4.8	64.5	0.1	3.2	1.5	58.2	71.0
Cyprus	1062	8.3	81.0	8.1	2.0	0.5	81.0	0.1	0.1	0.3	79.6	82.5
Czech Republic	1231	3.1	94.2	2.2	0.4	0.1	94.2	0.0	0.0	0.1	93.5	94.8
Denmark	872	4.8	89.1	4.1	1.6	0.4	89.1	0.0	0.0	0.4	87.9	90.1
England	654	3.3	91.4	3.6	1.3	0.4	91.4	0.0	0.0	0.4	90.4	92.3
France	1117	4.5	90.6	4.6	0.3	0.1	90.6	0.0	0.1	0.0	89.9	91.7
Germany	1080	5.9	87.0	3.7	1.6	1.9	87.0	0.0	0.4	1.4	87.7	86.8
Greece	1500	7.8	81.4	8.7	1.4	0.7	81.4	0.0	0.1	0.6	78.6	84.0
Hong Kong	1254	4.2	89.8	4.5	1.2	0.3	89.8	0.2	0.0	0.2	86.5	92.6
Hungary	1085	3.4	90.0	4.1	1.3	1.2	90.0	0.0	0.7	0.6	90.3	89.6
Iceland	652	4.1	90.1	5.0	0.5	0.4	90.1	0.0	0.0	0.4	93.2	87.6
Iran, Islamic Rep.	1373	27.3	60.3	8.4	3.5	0.5	60.3	0.0	0.3	0.2	47.9	69.6
Ireland	1156	4.3	91.0	3.2	1.1	0.4	91.0	0.2	0.1	0.1	89.8	92.2
Israel	518	5.0	88.8	3.1	2.4	0.7	88.8	0.0	0.6	0.2	86.6	91.5
Japan	1934	3.7	93.6	2.3	0.4	0.0	93.6	0.0	0.0	0.0	92.7	94.3
Korea	1085	3.6	93.2	2.5	0.6	0.0	93.2	0.0	0.0	0.0	93.5	93.1
Kuwait	638	19.1	59.8	15.3	4.4	1.4	59.8	0.0	0.6	0.8	58.9	60.6
Latvia (LSS)	918	7.3	84.9	5.3	1.5	1.0	84.9	0.0	0.4	0.6	83.7	86.0
Lithuania	934	7.7	82.3	6.3	1.8	1.8	82.3	0.1	0.4	1.4	81.1	83.9
Netherlands	758	3.3	91.8	4.0	0.4	0.6	91.8	0.0	0.3	0.3	88.7	94.7
New Zealand	1364	5.0	90.8	3.1	0.9	0.2	90.8	0.0	0.0	0.2	89.9	91.6
Norway	1216	4.2	89.8	4.3	1.4	0.3	89.8	0.0	0.0	0.3	88.5	91.0
Philippines	2274	18.9	60.8	12.5	7.2	0.6	60.8	0.0	0.1	0.5	61.6	59.9
Portugal	1256	14.2	77.3	6.3	1.2	1.0	77.3	0.0	0.2	0.9	74.7	79.8
Romania	1389	12.1	74.7	7.0	3.0	3.3	74.7	0.9	0.7	1.7	73.7	75.7
Russian Federation	1506	6.2	85.5	6.2	1.3	0.8	85.5	0.1	0.2	0.5	85.5	85.5
Scotland	1050	4.3	90.8	3.4	1.3	0.2	90.8	0.0	0.0	0.2	90.1	91.7
Singapore	1727	1.1	96.8	1.8	0.3	0.1	96.8	0.0	0.0	0.1	95.8	97.6
Slovak Republic	1313	5.2	87.4	5.1	1.4	0.8	87.4	0.1	0.4	0.3	89.0	85.9
Slovenia	1013	5.7	89.0	3.9	1.5	0.0	89.0	0.0	0.0	0.0	88.9	89.1
South Africa	1674	22.4	41.4	16.7	14.7	4.8	41.4	0.4	0.7	3.8	38.4	43.9
Spain	1426	7.3	86.8	4.9	0.7	0.3	86.8	0.0	0.1	0.2	85.4	88.2
Sweden	1491	3.4	92.4	3.0	0.9	0.2	92.4	0.0	0.1	0.2	92.1	92.7
Switzerland	1808	4.3	91.7	2.4	0.7	0.9	91.7	0.1	0.2	0.6	91.5	91.8
Thailand	2145	10.1	84.2	4.4	0.6	0.6	84.2	0.0	0.0	0.6	83.6	85.2
United States	2613	3.1	92.6	2.2	1.3	0.8	92.6	0.0	0.1	0.7	93.8	91.6
INTERNATIONAL AVG	.	7.2	84.9	5.1	1.8	0.9	84.9	0.1	0.3	0.6	83.8	85.9

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: H10 KEY: D
 Identify equation expressing xy relationship from table of values. (Algebra)
 Difficulty: 587

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	2694	18.9	8.4	7.6	63.0	2.1	63.0	0.0	0.0	2.1	64.8	61.2
Austria	1034	26.1	11.7	9.8	47.9	4.4	47.9	0.5	0.1	3.8	47.7	48.3
Belgium (Fl)	1103	21.0	9.3	9.8	53.6	6.3	53.6	0.0	0.3	5.9	54.5	52.8
Belgium (Fr)	980	21.9	11.8	11.3	35.9	19.2	35.9	0.1	0.1	19.0	36.5	36.2
Bulgaria	649	20.3	5.8	5.8	59.4	8.7	59.4	1.6	0.3	6.8	62.8	55.4
Canada	3101	23.3	14.7	15.5	43.7	2.8	43.7	0.2	0.6	2.0	45.8	41.6
Colombia	980	30.9	14.6	16.6	20.6	17.3	20.6	0.6	3.3	13.4	19.6	21.1
Cyprus	1062	22.4	17.1	18.7	37.2	4.6	37.2	0.0	0.1	4.5	38.9	35.6
Czech Republic	1231	14.9	3.7	4.0	74.9	2.4	74.9	0.4	0.0	1.9	72.5	77.2
Denmark	872	22.7	9.7	9.5	38.5	19.7	38.5	0.6	0.1	19.0	37.6	39.0
England	654	14.6	13.5	15.1	54.7	2.1	54.7	0.0	0.0	2.1	55.0	54.3
France	1117	19.3	11.0	15.1	48.3	6.3	48.3	0.4	0.1	5.7	50.5	47.4
Germany	1080	22.2	13.2	10.3	38.1	16.2	38.1	1.0	0.4	14.7	43.1	33.4
Greece	1500	28.6	9.2	10.1	44.8	7.3	44.8	0.6	0.1	6.7	45.0	44.6
Hong Kong	1254	18.9	7.8	9.0	63.8	0.4	63.8	0.1	0.0	0.3	60.4	66.5
Hungary	1084	9.8	1.7	6.6	77.9	3.9	77.9	0.0	0.7	3.3	81.4	74.2
Iceland	652	36.1	19.7	11.4	25.8	7.0	25.8	0.7	0.0	6.3	23.9	27.4
Iran, Islamic Rep.	1373	26.3	16.1	17.9	35.2	4.5	35.2	0.3	0.3	4.0	30.6	38.4
Ireland	1156	28.4	11.7	13.5	42.5	3.8	42.5	0.9	0.1	2.8	40.1	45.0
Israel	518	25.3	10.5	11.5	44.1	8.7	44.1	0.0	0.6	8.1	44.5	45.6
Japan	1934	10.4	3.3	8.2	77.9	0.2	77.9	0.0	0.0	0.2	78.8	77.1
Korea	1085	6.6	1.5	9.4	82.5	0.0	82.5	0.0	0.0	0.0	80.8	84.0
Kuwait	638	18.1	10.7	18.7	46.9	5.5	46.9	0.0	0.6	4.9	54.3	40.0
Latvia (LSS)	918	33.9	10.7	6.0	38.6	10.8	38.6	0.0	0.4	10.4	39.1	38.0
Lithuania	934	31.6	10.6	8.0	29.8	20.1	29.8	0.6	0.5	19.0	32.5	26.6
Netherlands	758	11.0	5.2	14.8	67.2	1.8	67.2	0.0	0.3	1.5	63.0	71.5
New Zealand	1364	18.1	11.4	15.4	53.2	1.9	53.2	0.3	0.0	1.6	53.1	53.3
Norway	1216	29.6	14.4	15.8	31.9	8.2	31.9	0.0	0.0	8.2	33.4	30.5
Philippines	2274	34.6	14.5	28.5	21.9	0.4	21.9	0.0	0.1	0.4	21.9	22.0
Portugal	1256	25.3	11.4	21.2	34.3	7.8	34.3	0.0	0.2	7.6	34.8	33.9
Romania	1386	32.2	8.6	9.9	33.9	15.4	33.9	7.3	0.7	7.5	33.1	34.6
Russian Federation	1506	23.1	4.9	5.0	59.3	7.7	59.3	0.4	0.3	7.0	61.9	56.3
Scotland	1050	18.7	14.5	14.1	49.1	3.5	49.1	0.5	0.0	3.0	49.6	49.0
Singapore	1727	14.0	4.7	8.0	72.0	1.3	72.0	0.0	0.0	1.3	73.6	70.5
Slovak Republic	1313	17.6	4.4	3.4	71.4	3.3	71.4	0.3	0.5	2.5	74.0	68.7
Slovenia	1013	18.2	6.7	6.6	64.1	4.3	64.1	0.8	0.0	3.5	64.6	63.7
South Africa	1674	28.7	26.1	22.6	17.8	4.8	17.8	0.5	0.8	3.6	19.0	16.9
Spain	1426	25.6	9.4	9.8	48.5	6.7	48.5	0.0	0.1	6.6	48.4	48.6
Sweden	1491	26.7	17.9	19.8	29.0	6.5	29.0	0.1	0.1	6.4	29.6	28.3
Switzerland	1808	19.7	10.5	17.0	45.3	7.5	45.3	0.5	0.2	6.7	46.6	44.3
Thailand	2145	29.0	8.0	10.5	51.2	1.3	51.2	0.0	0.0	1.3	53.7	47.4
United States	2613	22.7	15.6	12.8	47.3	1.7	47.3	0.2	0.1	1.5	50.2	44.5
INTERNATIONAL AVG	.	22.6	10.6	12.3	48.2	6.4	48.2	0.5	0.3	5.6	48.8	47.5

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: H11 KEY: C
 Predict number of total defective bulbs based on random sample. (Data Rep., Analysis & Prob.)
 Difficulty: 510

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	2694	4.8	7.9	63.1	11.8	11.4	0.9	63.1	0.0	0.1	0.8	60.8	65.2
Austria	1034	3.8	7.9	67.6	9.7	9.6	1.4	67.6	0.1	0.1	1.1	65.3	69.3
Belgium (Fl)	1103	3.7	5.1	76.1	7.6	7.0	0.4	76.1	0.0	0.3	0.1	73.7	78.5
Belgium (Fr)	980	4.1	5.2	73.2	7.2	7.1	3.3	73.2	0.0	0.1	3.1	73.9	73.1
Bulgaria	649	3.7	7.4	74.5	4.5	5.8	4.1	74.5	0.4	0.3	3.4	76.0	72.8
Canada	3101	5.3	7.8	65.0	9.2	11.7	1.1	65.0	0.0	0.6	0.5	63.7	66.5
Colombia	980	13.7	8.8	42.7	11.8	14.1	8.9	42.7	0.1	4.1	4.7	38.0	47.4
Cyprus	1062	6.6	9.8	60.2	9.7	12.1	1.6	60.2	0.1	0.2	1.3	57.2	63.2
Czech Republic	1231	4.6	7.4	76.0	5.9	5.1	1.0	76.0	0.0	0.1	0.9	69.6	82.0
Denmark	872	3.9	10.9	55.0	12.9	10.9	6.4	55.0	0.2	0.8	5.4	50.2	60.1
England	654	5.3	9.6	58.0	15.1	11.7	0.3	58.0	0.0	0.0	0.3	55.6	60.3
France	1117	5.3	6.4	69.2	7.8	9.7	1.6	69.2	0.0	0.1	1.5	66.2	73.5
Germany	1080	3.9	7.6	67.7	10.4	7.4	2.9	67.7	0.1	0.5	2.3	65.4	70.3
Greece	1500	8.9	9.5	57.2	9.3	11.4	3.6	57.2	0.1	0.7	2.8	53.0	61.2
Hong Kong	1254	4.5	7.5	72.5	9.9	5.1	0.5	72.5	0.1	0.0	0.4	69.2	75.4
Hungary	1085	4.9	6.6	71.4	5.8	8.3	2.9	71.4	0.0	0.8	2.2	68.9	74.0
Iceland	652	3.8	10.3	53.6	15.2	15.0	2.1	53.6	0.1	0.3	1.6	45.5	60.4
Iran, Islamic Rep.	1373	21.6	11.2	46.8	8.0	10.4	2.0	46.8	0.0	0.3	1.7	40.3	51.9
Ireland	1156	5.2	9.9	63.3	6.7	13.6	1.3	63.3	0.4	0.1	0.7	57.3	69.6
Israel	518	7.7	10.0	60.5	7.3	10.3	4.2	60.5	0.0	0.6	3.6	57.9	65.3
Japan	1934	3.1	6.5	73.1	9.1	8.0	0.2	73.1	0.0	0.0	0.2	70.6	75.4
Korea	1085	5.0	3.3	84.0	3.7	3.9	0.1	84.0	0.0	0.0	0.1	80.2	87.2
Kuwait	638	22.0	11.5	40.2	11.3	10.5	4.4	40.2	0.0	1.0	3.4	36.3	43.9
Latvia (LSS)	918	5.7	9.6	64.1	8.8	10.4	1.4	64.1	0.0	0.5	0.8	58.8	69.6
Lithuania	934	7.6	11.1	50.8	6.3	15.1	9.1	50.8	0.5	2.1	6.5	49.6	52.4
Netherlands	758	1.5	5.6	79.3	7.7	4.8	1.1	79.3	0.0	0.5	0.6	72.9	86.1
New Zealand	1364	5.2	8.4	61.2	13.2	11.3	0.7	61.2	0.0	0.1	0.6	58.1	64.1
Norway	1216	4.1	8.6	60.7	14.8	10.2	1.5	60.7	0.0	0.1	1.4	58.1	63.1
Philippines	2274	11.3	9.9	38.0	22.6	17.5	0.6	38.0	0.0	0.1	0.5	38.4	37.7
Portugal	1256	8.8	12.7	49.7	13.8	11.4	3.6	49.7	0.0	0.3	3.3	47.1	52.2
Romania	1391	5.9	7.1	61.2	8.7	12.2	4.9	61.2	0.4	0.9	3.6	57.5	65.0
Russian Federation	1506	4.5	8.0	65.8	4.9	14.4	2.5	65.8	0.2	0.4	1.9	62.4	69.6
Scotland	1050	4.1	9.1	58.0	13.9	14.2	0.7	58.0	0.1	0.0	0.6	54.1	61.6
Singapore	1727	1.6	5.6	83.5	3.7	5.5	0.1	83.5	0.0	0.0	0.1	82.0	85.0
Slovak Republic	1313	8.0	7.2	67.3	4.8	9.7	2.9	67.3	0.2	0.7	2.0	62.0	72.8
Slovenia	1013	4.5	7.7	70.6	6.1	10.7	0.3	70.6	0.0	0.0	0.3	63.6	77.9
South Africa	1674	11.8	10.2	27.8	18.6	27.8	3.8	27.8	0.1	0.8	2.9	28.3	28.0
Spain	1426	5.0	6.4	66.3	8.4	12.3	1.6	66.3	0.0	0.3	1.3	64.0	68.4
Sweden	1491	3.7	6.0	67.9	13.0	9.0	0.5	67.9	0.0	0.1	0.3	65.4	70.2
Switzerland	1808	4.4	4.7	75.5	7.1	6.3	2.0	75.5	0.1	0.5	1.4	72.8	77.9
Thailand	2145	3.0	3.7	74.6	3.5	14.6	0.7	74.6	0.0	0.0	0.6	74.5	74.3
United States	2613	5.3	10.5	53.8	13.6	16.1	0.7	53.8	0.1	0.1	0.5	51.6	55.8
INTERNATIONAL AVG	.	6.2	8.1	63.0	9.6	10.8	2.2	63.0	0.1	0.4	1.7	59.9	66.1

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: H12 KEY: B
 Select symbolic linear equation which fits word problem. (Algebra)
 Difficulty: 446

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	2694	3.9	86.3	3.9	5.0	0.9	86.3	0.0	0.1	0.8	88.1	84.5
Austria	1034	4.6	82.3	5.5	5.0	2.5	82.3	0.1	0.1	2.3	85.3	79.1
Belgium (Fl)	1103	2.5	87.0	3.2	6.0	1.3	87.0	0.0	0.3	1.0	90.2	83.9
Belgium (Fr)	979	5.3	79.8	4.4	5.7	4.8	79.8	0.0	0.1	4.7	84.9	75.3
Bulgaria	649	5.4	79.4	5.3	5.8	4.1	79.4	0.0	0.4	3.8	81.4	77.2
Canada	3101	3.5	83.2	4.1	7.9	1.3	83.2	0.1	0.6	0.6	86.0	81.4
Colombia	980	12.5	43.6	12.8	13.4	17.7	43.6	0.1	4.8	12.8	42.8	44.8
Cyprus	1062	8.8	72.1	10.0	7.3	1.8	72.1	0.1	0.2	1.6	73.4	70.8
Czech Republic	1231	4.9	82.6	3.1	6.5	2.9	82.6	0.8	0.2	1.9	82.0	83.1
Denmark	872	8.4	70.8	7.4	6.0	7.3	70.8	1.5	0.8	5.1	70.7	71.5
England	654	4.0	81.9	6.5	7.0	0.6	81.9	0.0	0.0	0.6	86.1	77.9
France	1117	2.4	86.3	3.3	5.3	2.8	86.3	0.4	0.1	2.2	88.0	84.6
Germany	1080	7.4	70.9	6.0	7.3	8.3	70.9	0.5	0.6	7.3	72.4	70.3
Greece	1500	9.9	67.8	5.7	9.9	6.7	67.8	0.2	0.7	5.8	67.9	67.7
Hong Kong	1254	3.3	88.1	2.4	5.7	0.6	88.1	0.0	0.0	0.6	87.8	88.2
Hungary	1085	6.7	77.2	6.0	7.0	3.1	77.2	0.0	0.8	2.4	79.1	75.2
Iceland	652	10.1	68.9	9.8	7.9	3.3	68.9	0.3	0.3	2.6	72.4	65.9
Iran, Islamic Rep.	1362	9.0	49.8	16.5	22.8	1.8	49.8	0.0	0.3	1.5	48.1	51.1
Ireland	1156	3.0	86.0	4.2	5.3	1.6	86.0	0.4	0.1	1.1	87.4	84.5
Israel	518	5.7	85.4	2.8	3.6	2.4	85.4	0.0	1.0	1.5	85.2	85.9
Japan	1934	2.8	83.3	1.8	12.0	0.0	83.3	0.0	0.0	0.0	84.0	82.7
Korea	1085	3.6	80.8	3.8	11.7	0.1	80.8	0.0	0.0	0.1	81.6	80.2
Kuwait	638	10.1	51.6	14.3	17.2	6.8	51.6	0.0	1.0	5.8	59.3	44.4
Latvia (LSS)	917	8.2	69.2	8.7	9.5	4.4	69.2	0.0	0.5	3.8	69.9	68.7
Lithuania	934	10.0	57.3	11.4	10.0	11.4	57.3	0.1	2.6	8.6	61.4	52.3
Netherlands	758	4.6	86.1	4.3	3.9	1.1	86.1	0.0	0.5	0.6	88.2	84.1
New Zealand	1364	5.8	78.8	5.5	9.0	0.8	78.8	0.1	0.1	0.6	78.7	79.0
Norway	1216	7.3	77.8	7.0	5.2	2.6	77.8	0.0	0.1	2.6	80.1	75.6
Philippines	2274	15.0	56.3	15.7	12.4	0.6	56.3	0.0	0.1	0.4	59.7	52.3
Portugal	1256	4.7	73.2	6.9	11.5	3.7	73.2	0.0	0.4	3.3	72.7	73.6
Romania	1391	11.2	67.3	6.0	6.5	9.1	67.3	1.6	0.9	6.5	67.7	66.9
Russian Federation	1505	4.9	77.3	4.8	8.7	4.3	77.3	0.3	0.6	3.4	77.6	76.8
Scotland	1050	4.2	78.2	5.6	11.4	0.7	78.2	0.3	0.0	0.4	79.2	77.1
Singapore	1727	0.5	96.4	0.9	2.1	0.1	96.4	0.0	0.0	0.1	96.2	96.6
Slovak Republic	1313	6.5	76.0	4.2	6.1	7.2	76.0	0.7	0.7	5.9	76.0	76.0
Slovenia	1012	5.7	80.3	3.7	6.9	3.5	80.3	1.2	0.0	2.2	78.8	81.7
South Africa	1674	13.8	39.6	20.5	21.4	4.7	39.6	0.5	1.0	3.2	37.1	42.4
Spain	1426	9.5	70.5	7.7	7.6	4.8	70.5	0.0	0.3	4.5	73.0	68.1
Sweden	1491	5.9	78.1	6.7	7.7	1.6	78.1	0.1	0.1	1.3	79.9	76.2
Switzerland	1808	6.6	77.1	6.3	7.1	2.8	77.1	0.2	0.5	2.1	79.0	75.5
Thailand	2145	6.7	72.9	9.8	9.4	1.2	72.9	0.0	0.1	1.0	74.7	70.4
United States	2613	5.3	83.1	4.7	6.3	0.7	83.1	0.0	0.1	0.5	84.9	81.5
INTERNATIONAL AVG	.	6.5	74.8	6.7	8.4	3.5	74.8	0.2	0.5	2.8	76.2	73.5

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: I01 KEY: B
 Identify meaning of symbol in word problem equation. (Algebra)
 Difficulty: 628

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	894	9.1	36.7	29.7	20.0	4.5	36.7	0.0	0.2	4.2	38.9	34.5
Austria	344	4.9	39.0	24.5	27.8	3.9	39.0	0.0	0.0	3.9	40.6	38.0
Belgium (Fl)	361	4.7	43.9	26.5	21.8	3.1	43.9	0.0	0.0	3.1	44.2	43.6
Belgium (Fr)	313	3.4	35.5	26.1	18.4	16.5	35.5	0.4	0.0	16.2	33.7	37.1
Bulgaria	328	6.8	50.1	14.9	22.4	5.8	50.1	0.0	0.3	5.5	50.0	50.3
Canada	1053	7.7	33.7	33.1	22.8	2.8	33.7	0.0	0.0	2.8	33.9	34.1
Colombia	328	8.7	20.7	34.4	28.0	8.1	20.7	0.6	0.4	7.1	24.0	17.6
Cyprus	392	7.2	31.0	31.4	27.6	2.8	31.0	0.0	0.0	2.8	28.9	32.6
Czech Republic	430	6.8	42.9	24.4	20.3	5.6	42.9	0.0	0.0	5.6	40.8	45.0
Denmark	269	6.4	21.3	29.6	22.4	20.3	21.3	0.0	0.0	20.3	13.1	29.4
England	218	5.4	37.4	33.2	21.1	2.9	37.4	0.0	0.0	2.9	39.0	36.0
France	364	7.6	41.1	26.9	17.6	6.9	41.1	0.0	0.0	6.9	40.5	43.1
Germany	369	8.2	26.9	30.0	21.8	13.0	26.9	0.3	0.0	12.7	26.2	27.6
Greece	497	3.5	28.4	31.5	30.1	6.6	28.4	0.0	0.0	6.6	29.0	27.8
Hong Kong	410	4.7	54.5	19.9	18.9	1.9	54.5	0.2	0.2	1.4	55.8	53.5
Hungary	375	5.0	47.0	14.7	26.7	6.6	47.0	0.0	0.4	6.2	48.9	44.8
Iceland	233	6.9	34.0	31.9	23.4	3.8	34.0	0.0	0.4	3.4	38.0	29.8
Iran, Islamic Rep.	463	11.7	23.2	27.4	32.5	5.2	23.2	0.0	0.0	5.1	27.8	19.7
Ireland	378	5.6	35.1	32.9	23.8	2.6	35.1	0.5	0.3	1.9	32.8	37.3
Israel	185	5.2	40.7	20.6	25.4	8.1	40.7	0.0	1.2	6.9	42.3	39.5
Japan	659	4.3	61.6	20.5	13.0	0.6	61.6	0.0	0.0	0.6	62.0	61.3
Korea	364	3.9	52.1	17.9	25.9	0.2	52.1	0.0	0.0	0.2	50.0	53.5
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	287	3.7	38.1	33.7	18.5	6.0	38.1	0.0	0.0	6.0	37.6	38.5
Lithuania	306	9.7	23.8	32.7	14.8	19.0	23.8	0.0	0.0	19.0	24.9	22.5
Netherlands	239	3.7	36.6	25.9	30.3	3.5	36.6	0.0	0.5	3.1	34.3	39.2
New Zealand	468	8.0	35.8	31.0	24.6	0.7	35.8	0.0	0.0	0.7	32.5	38.6
Norway	405	6.6	26.4	27.5	36.1	3.4	26.4	0.0	0.0	3.4	24.7	28.0
Philippines	752	14.4	17.8	26.6	40.8	0.4	17.8	0.0	0.0	0.4	16.5	19.2
Portugal	425	5.5	23.0	25.1	42.2	4.3	23.0	0.0	0.0	4.3	23.7	22.4
Romania	469	8.8	44.7	16.5	20.8	9.2	44.7	0.2	0.0	9.0	47.1	42.1
Russian Federation	507	8.8	52.5	18.8	13.6	6.4	52.5	0.0	0.0	6.4	54.3	50.4
Scotland	345	8.6	32.5	35.5	20.4	2.9	32.5	0.0	0.3	2.6	34.2	31.1
Singapore	597	8.9	49.7	20.2	19.6	1.5	49.7	0.0	0.0	1.5	51.3	48.2
Slovak Republic	449	8.3	43.1	20.1	20.0	8.4	43.1	0.9	0.0	7.4	39.7	46.6
Slovenia	333	4.6	42.8	20.0	27.6	5.0	42.8	0.0	0.0	5.0	44.5	41.4
South Africa	581	16.1	30.4	25.8	23.4	4.3	30.4	0.0	0.5	3.7	27.3	34.7
Spain	479	8.5	47.3	15.3	25.0	3.9	47.3	0.0	0.0	3.9	48.2	46.4
Sweden	478	4.0	30.3	40.8	21.5	3.3	30.3	0.2	0.0	3.1	31.8	29.2
Switzerland	610	5.4	39.5	25.9	23.7	5.4	39.5	0.0	0.0	5.4	38.8	40.2
Thailand	771	3.1	25.3	14.5	55.1	2.0	25.3	0.0	0.5	1.5	25.3	26.0
United States	900	7.1	32.2	34.0	25.4	1.4	32.2	0.0	0.2	1.2	30.0	34.3
INTERNATIONAL AVG	.	6.9	36.8	26.1	24.8	5.4	36.8	0.1	0.1	5.2	36.8	37.0

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: I02 KEY: C
 Solve multi-step word problem: common fractions. (Fractions and number sense)
 Difficulty: 530

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	894	7.3	8.1	65.1	14.0	4.0	1.5	65.1	0.0	0.2	1.3	68.1	61.9
Austria	344	10.8	5.5	69.5	7.4	2.6	4.3	69.5	0.0	0.0	4.3	60.2	78.3
Belgium (Fl)	361	11.5	4.3	76.5	5.5	2.0	0.3	76.5	0.0	0.0	0.3	79.6	73.3
Belgium (Fr)	313	5.1	4.9	69.7	9.1	3.7	7.5	69.7	0.5	0.0	7.0	75.0	65.1
Bulgaria	328	8.9	8.7	61.4	9.1	3.2	8.8	61.4	0.4	0.3	8.1	60.5	62.8
Canada	1053	9.9	12.7	57.3	13.2	5.1	1.8	57.3	0.0	0.0	1.8	58.6	57.0
Colombia	328	20.7	11.3	26.4	23.5	11.9	6.2	26.4	0.0	0.4	5.8	25.4	26.5
Cyprus	392	6.9	13.7	53.3	16.2	7.4	2.5	53.3	0.0	0.0	2.5	53.6	52.8
Czech Republic	430	7.0	12.2	62.7	9.2	4.7	4.2	62.7	0.1	0.0	4.0	63.9	61.6
Denmark	269	12.2	11.5	42.4	14.6	6.7	12.6	42.4	0.0	0.0	12.6	37.0	47.6
England	218	10.8	3.8	63.6	17.0	3.5	1.3	63.6	0.0	0.0	1.3	64.2	63.0
France	364	8.2	7.3	53.8	16.6	10.2	3.9	53.8	0.1	0.0	3.8	48.9	59.4
Germany	369	8.4	12.1	48.8	11.0	6.9	12.8	48.8	0.0	0.0	12.8	45.7	53.0
Greece	497	9.8	9.0	54.8	15.8	6.2	4.4	54.8	0.4	0.0	4.1	51.0	57.9
Hong Kong	411	5.7	5.4	76.2	7.5	3.5	1.7	76.2	0.0	0.2	1.4	74.1	78.0
Hungary	375	13.1	6.2	62.8	8.7	2.4	6.8	62.8	0.0	0.4	6.4	62.3	63.4
Iceland	233	12.0	9.7	58.9	12.1	3.8	3.6	58.9	0.6	0.4	2.6	56.0	62.0
Iran, Islamic Rep.	463	23.8	9.5	38.4	16.6	9.0	2.6	38.4	0.0	0.0	2.6	29.3	45.2
Ireland	378	3.3	4.8	74.4	9.7	6.5	1.4	74.4	0.3	0.3	0.9	73.1	75.5
Israel	185	11.2	10.0	56.2	9.7	1.0	12.0	56.2	0.0	1.2	10.8	53.7	60.7
Japan	659	7.3	7.9	78.7	4.9	0.9	0.2	78.7	0.0	0.0	0.2	79.6	77.9
Korea	364	8.3	4.2	79.3	5.3	2.9	0.0	79.3	0.0	0.0	0.0	74.0	83.1
Kuwait	210	15.9	16.5	26.5	22.9	10.3	8.0	26.5	0.0	1.8	6.2	23.7	29.0
Latvia (LSS)	287	19.0	11.2	51.8	8.6	1.0	8.4	51.8	0.0	0.0	8.4	48.3	55.4
Lithuania	306	17.8	9.3	33.0	12.0	5.9	21.8	33.0	0.0	0.0	21.8	33.1	33.0
Netherlands	239	5.9	8.8	71.6	8.0	4.1	1.7	71.6	0.0	0.8	0.8	70.5	71.9
New Zealand	468	9.2	8.4	57.9	16.9	7.0	0.7	57.9	0.0	0.0	0.7	55.0	60.4
Norway	405	8.3	11.6	55.4	17.1	5.3	2.3	55.4	0.0	0.0	2.3	54.2	56.6
Philippines	752	14.2	11.4	32.4	25.1	14.9	1.9	32.4	0.1	0.0	1.7	32.0	32.9
Portugal	424	24.8	16.2	37.8	11.4	5.1	4.7	37.8	0.0	0.0	4.7	35.8	39.7
Romania	469	12.1	8.4	51.2	10.4	4.7	13.2	51.2	0.4	0.0	12.8	55.0	47.2
Russian Federation	506	17.1	7.4	54.6	6.1	5.8	8.9	54.6	0.0	0.0	8.9	53.0	56.4
Scotland	345	6.0	8.6	63.4	12.3	8.4	1.1	63.4	0.0	0.3	0.9	58.3	68.0
Singapore	597	0.5	1.1	94.1	2.7	1.6	0.0	94.1	0.0	0.0	0.0	95.8	92.6
Slovak Republic	449	6.6	4.4	64.7	12.4	2.8	9.0	64.7	1.9	0.0	7.1	65.6	63.8
Slovenia	334	10.1	9.7	61.4	9.6	4.2	5.0	61.4	0.0	0.0	5.0	61.1	61.4
South Africa	581	16.3	9.0	22.8	25.6	24.1	2.2	22.8	0.1	0.5	1.6	23.2	23.8
Spain	479	14.7	9.9	48.9	15.6	6.0	4.9	48.9	0.0	0.0	4.9	46.2	51.8
Sweden	478	6.3	10.2	62.9	14.2	4.2	2.2	62.9	0.0	0.0	2.2	64.8	61.1
Switzerland	610	6.9	5.0	72.4	7.6	5.3	2.8	72.4	0.0	0.0	2.8	70.8	73.9
Thailand	771	11.6	5.8	65.4	12.0	3.5	1.7	65.4	0.0	0.5	1.2	70.2	58.1
United States	900	9.9	14.3	53.6	16.6	3.9	1.8	53.6	0.0	0.2	1.6	52.7	54.6
INTERNATIONAL AVG	.	10.8	8.8	57.4	12.5	5.6	4.8	57.4	0.1	0.2	4.5	56.3	58.5

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: I03 KEY: C
 Find number of 750 mL bottles filled by a large volume. (Measurement)
 Difficulty: 603

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	894	19.4	21.6	47.3	10.0	1.7	47.3	0.0	0.2	1.5	43.8	50.9
Austria	344	11.4	23.2	45.1	16.7	3.7	45.1	0.0	0.0	3.7	38.0	52.6
Belgium (Fl)	361	12.9	17.7	56.6	12.8	0.0	56.6	0.0	0.0	0.0	58.0	55.1
Belgium (Fr)	313	9.4	22.0	47.9	12.2	8.6	47.9	0.0	0.0	8.6	44.4	51.8
Bulgaria	328	14.7	17.2	47.2	7.9	13.0	47.2	1.1	0.3	11.6	49.2	45.7
Canada	1053	18.1	31.1	38.7	10.9	1.2	38.7	0.0	0.0	1.2	33.9	43.1
Colombia	328	19.3	32.0	25.8	14.6	8.4	25.8	0.0	0.6	7.7	26.8	23.8
Cyprus	392	25.0	31.5	24.8	13.9	4.8	24.8	0.0	0.0	4.8	21.8	27.7
Czech Republic	430	12.1	27.7	51.1	4.7	4.5	51.1	0.7	0.5	3.3	46.8	55.4
Denmark	269	10.5	29.4	40.0	9.8	10.3	40.0	0.0	0.0	10.3	33.4	46.7
England	218	15.6	30.3	39.8	14.0	0.4	39.8	0.0	0.0	0.4	33.6	45.3
France	364	13.0	25.8	47.6	8.4	5.2	47.6	0.0	0.0	5.2	43.0	51.1
Germany	369	14.5	20.1	47.6	12.3	5.6	47.6	0.2	0.0	5.3	39.8	55.2
Greece	497	28.4	33.6	24.5	7.1	6.3	24.5	0.0	0.0	6.3	21.7	26.7
Hong Kong	411	23.8	24.4	43.3	6.8	1.7	43.3	0.0	0.2	1.5	35.8	49.5
Hungary	375	13.6	21.3	44.7	13.1	7.3	44.7	0.0	0.4	6.9	41.1	48.8
Iceland	233	20.5	34.5	35.3	7.9	1.8	35.3	0.0	0.4	1.4	29.0	41.9
Iran, Islamic Rep.	463	34.3	32.7	21.4	8.8	2.8	21.4	0.0	0.0	2.8	19.9	22.5
Ireland	378	19.6	32.0	38.0	8.2	2.3	38.0	0.3	0.3	1.8	37.2	38.8
Israel	185	29.2	25.4	30.0	6.7	8.7	30.0	0.0	1.2	7.5	27.0	33.8
Japan	659	17.1	30.0	48.5	3.9	0.4	48.5	0.0	0.0	0.4	43.5	53.2
Korea	364	24.5	33.8	34.0	7.4	0.3	34.0	0.0	0.0	0.3	25.3	40.2
Kuwait	210	17.1	36.6	28.4	11.4	6.7	28.4	0.0	1.8	4.9	22.8	33.4
Latvia (LSS)	286	18.1	29.1	39.1	9.1	4.6	39.1	0.0	0.0	4.6	36.4	41.8
Lithuania	306	14.2	23.1	35.4	8.1	19.2	35.4	0.0	0.0	19.2	26.2	46.6
Netherlands	239	9.1	25.4	50.8	12.8	2.0	50.8	0.0	0.8	1.1	49.5	52.8
New Zealand	468	19.1	27.0	39.4	11.8	2.7	39.4	0.2	0.0	2.5	36.3	42.0
Norway	405	5.9	23.2	53.4	15.7	1.8	53.4	0.0	0.0	1.8	48.3	58.3
Philippines	.	.	.	.	.	.	.	.	.	.	.	.
Portugal	425	14.4	30.6	42.5	6.3	6.2	42.5	0.0	0.0	6.2	31.2	53.3
Romania	469	19.4	17.7	42.2	7.1	13.5	42.2	0.2	0.0	13.3	38.0	46.7
Russian Federation	507	13.4	20.6	46.4	9.6	10.0	46.4	0.0	0.0	10.0	40.4	53.2
Scotland	345	19.3	30.0	37.4	10.7	2.6	37.4	0.0	0.3	2.3	32.7	41.6
Singapore	597	11.8	13.3	65.8	7.5	1.6	65.8	0.0	0.0	1.6	64.6	66.8
Slovak Republic	449	12.6	23.2	52.1	8.9	3.2	52.1	1.4	0.0	1.8	52.6	51.5
Slovenia	333	14.6	23.5	39.3	13.2	9.4	39.3	0.4	0.0	9.0	37.4	40.7
South Africa	581	17.3	23.2	33.1	24.1	2.3	33.1	0.2	0.5	1.6	30.4	33.9
Spain	479	14.4	29.8	42.4	9.3	4.1	42.4	0.0	0.0	4.1	34.6	50.7
Sweden	478	7.2	20.0	55.8	14.2	2.8	55.8	0.0	0.0	2.8	47.7	62.7
Switzerland	610	9.0	17.7	57.4	12.9	3.0	57.4	0.1	0.0	2.9	49.5	64.6
Thailand	771	17.4	30.2	37.0	12.9	2.5	37.0	0.2	0.5	1.9	36.0	38.4
United States	900	17.0	33.1	31.5	17.1	1.3	31.5	0.0	0.2	1.1	28.4	34.6
INTERNATIONAL AVG	.	16.5	26.2	41.7	10.8	4.8	41.7	0.1	0.2	4.5	37.5	45.7

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: I04
 Determine next number which occurs in two number sequences. (Algebra)
 Difficulty: 591

COUNTRY	N	10	70	71	72	73	74	75	79	90	99	V1	NOT	OMIT	1.GIRL	2.BOY
													REACH		% Right	% Right
													ED			
Australia	894	45.1	13.1	5.4	1.1	0.6	1.2	0.3	21.6	2.1	9.6	45.1	0.4	9.2	47.9	42.2
Austria	344	56.7	0.7	4.8	1.2	1.6	3.7	1.0	23.0	3.1	4.2	56.7	0.0	4.2	57.3	56.4
Belgium (Fl)	361	55.8	2.2	5.0	0.9	0.8	2.4	2.4	24.7	0.2	5.6	55.8	0.0	5.6	62.5	48.7
Belgium (Fr)	313	48.8	0.0	0.0	0.0	0.0	0.0	0.0	34.3	0.0	16.9	48.8	0.0	16.9	51.7	46.4
Bulgaria	328	45.9	0.7	1.6	1.9	0.7	0.6	0.4	14.6	0.5	33.2	45.9	0.3	32.9	47.8	44.7
Canada	1053	55.5	6.4	3.7	0.9	1.4	1.5	0.3	23.5	0.9	5.9	55.5	0.0	5.9	61.7	50.4
Colombia	328	29.4	14.8	3.3	3.8	1.2	1.3	0.9	26.6	0.2	18.3	29.4	0.9	17.4	31.0	27.7
Cyprus	392	36.7	0.6	2.0	1.4	1.5	0.8	1.4	26.2	0.7	28.6	36.7	0.0	28.6	39.0	34.1
Czech Republic	430	57.3	1.9	2.1	2.0	1.2	3.1	0.7	19.4	2.8	9.5	57.3	0.5	9.1	65.2	49.6
Denmark	269	49.7	9.3	4.9	2.0	0.6	0.8	1.2	13.6	0.0	18.0	49.7	0.0	18.0	51.4	48.7
England	218	54.2	5.2	4.1	0.0	3.3	1.7	1.0	23.5	1.3	5.9	54.2	0.0	5.9	60.7	48.4
France	364	54.3	2.4	3.0	0.0	1.1	2.4	2.7	19.7	0.3	14.1	54.3	0.0	14.1	57.3	51.2
Germany	366	39.9	1.8	3.7	1.0	0.8	2.8	1.6	19.5	1.6	27.4	39.9	0.0	27.4	45.0	35.7
Greece	497	38.6	9.6	3.8	1.2	1.9	1.8	2.4	23.5	1.5	15.6	38.6	0.0	15.6	42.7	35.4
Hong Kong	409	47.1	0.7	3.7	0.8	0.8	2.0	0.0	36.7	1.0	7.1	47.1	0.2	6.9	45.8	48.2
Hungary	375	56.2	0.7	3.1	0.5	1.6	2.0	1.7	18.4	1.2	14.7	56.2	0.4	14.3	60.2	51.6
Iceland	233	27.7	15.7	5.5	1.7	0.2	1.0	0.5	31.2	4.7	11.7	27.7	0.4	11.2	31.0	24.3
Iran, Islamic Rep.	463	24.2	7.9	5.8	1.6	0.1	3.3	0.5	30.7	0.4	25.6	24.2	0.0	25.6	19.7	27.8
Ireland	378	56.6	3.3	6.0	0.6	1.1	1.4	0.2	24.3	1.0	5.5	56.6	0.3	5.2	63.0	50.4
Israel	185	46.8	3.1	1.5	2.1	0.6	1.2	1.8	19.4	0.0	23.5	46.8	1.2	22.3	46.1	47.4
Japan	659	59.9	1.3	2.6	0.8	0.3	4.1	0.0	25.1	0.5	5.4	59.9	0.0	5.4	60.9	59.0
Korea	364	66.8	0.2	1.6	1.0	0.9	3.2	0.0	23.7	0.0	2.6	66.8	0.0	2.6	68.3	65.7
Kuwait	210	10.9	2.5	2.0	2.1	1.9	0.7	2.5	31.8	1.4	44.3	10.9	1.8	42.5	16.4	5.9
Latvia (LSS)	287	32.9	7.4	5.1	1.4	1.5	2.1	1.3	26.3	1.7	20.4	32.9	0.0	20.4	40.6	25.2
Lithuania	306	35.1	3.6	2.4	0.6	1.3	1.5	0.5	23.7	1.2	30.1	35.1	0.0	30.1	35.1	35.1
Netherlands	239	38.1	3.9	5.9	2.0	1.4	2.6	3.0	36.0	2.9	4.2	38.1	0.8	3.3	39.2	35.9
New Zealand	468	44.6	15.1	3.2	1.0	0.4	2.3	0.0	27.3	0.8	5.3	44.6	0.0	5.3	49.4	40.4
Norway	405	49.9	1.2	5.2	1.4	1.6	4.0	1.3	21.8	4.0	9.5	49.9	0.0	9.5	50.7	49.1
Philippines	752	18.0	17.4	2.5	1.7	0.7	0.3	0.0	45.9	3.3	10.2	18.0	0.0	10.2	20.7	14.9
Portugal	425	34.7	10.1	3.0	2.1	2.4	2.9	1.2	25.4	0.8	17.4	34.7	0.0	17.4	42.5	27.2
Romania	468	37.8	5.2	1.1	1.7	0.6	2.7	1.0	26.0	0.4	23.5	37.8	0.0	23.5	42.7	32.6
Russian Federation	507	50.3	1.3	4.6	0.9	1.1	1.9	1.4	14.8	1.5	22.3	50.3	0.0	22.3	52.7	47.7
Scotland	345	52.0	4.8	5.0	0.6	0.5	2.2	0.8	20.9	1.1	12.1	52.0	0.3	11.9	55.9	48.5
Singapore	597	61.9	7.2	2.2	1.0	0.6	2.3	0.0	21.4	0.3	3.2	61.9	0.2	3.0	65.6	58.6
Slovak Republic	449	48.7	7.0	1.4	1.0	1.0	1.6	1.7	18.9	0.6	18.1	48.7	0.0	18.1	58.5	38.8
Slovenia	334	45.8	3.7	3.3	1.7	1.4	4.3	0.8	25.1	1.8	12.1	45.8	0.0	12.1	49.1	42.7
South Africa	583	9.1	5.1	5.0	11.3	2.3	1.4	1.0	45.6	0.4	18.8	9.1	0.5	18.3	7.6	9.9
Spain	479	45.9	17.0	4.1	1.1	0.8	1.2	1.3	21.8	0.0	6.8	45.9	0.0	6.8	47.5	44.1
Sweden	478	43.8	7.2	4.3	1.1	0.8	1.3	0.7	28.1	4.8	7.9	43.8	0.0	7.9	50.5	38.1
Switzerland	610	55.1	1.0	2.7	0.4	0.2	1.8	1.2	24.8	1.9	11.0	55.1	0.0	11.0	57.3	53.0
Thailand	771	40.5	16.2	5.9	0.3	1.1	1.5	1.0	25.7	0.2	7.5	40.5	0.5	7.1	42.7	37.6
United States	900	41.6	15.4	3.9	1.2	1.3	1.8	0.6	27.3	2.3	4.6	41.6	0.2	4.4	46.5	36.7
INTERNATIONAL AVG	.	44.0	6.0	3.6	1.5	1.1	2.0	1.0	25.3	1.3	14.2	44.0	0.2	14.0	47.3	40.9

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 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

Item: I05 KEY: B
 Solve subtraction word problem: rational numbers. (Fractions and number sense)
 Difficulty: 448

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	894	6.3	72.3	8.1	12.6	0.7	72.3	0.0	0.4	0.3	77.2	67.3
Austria	344	4.2	83.7	5.1	6.1	0.9	83.7	0.0	0.0	0.9	84.4	82.5
Belgium (Fl)	361	3.7	79.6	5.3	10.7	0.7	79.6	0.0	0.0	0.7	81.5	77.6
Belgium (Fr)	313	5.0	76.6	8.7	8.0	1.7	76.6	0.0	0.0	1.7	78.4	75.4
Bulgaria	328	10.8	66.1	11.4	6.0	5.7	66.1	0.3	0.7	4.8	70.1	62.6
Canada	1053	4.7	80.3	4.5	9.4	1.1	80.3	0.0	0.0	1.1	86.2	75.3
Colombia	328	15.6	43.9	12.1	22.8	5.6	43.9	0.0	1.4	4.2	43.8	43.4
Cyprus	392	9.8	68.4	7.9	13.1	0.8	68.4	0.0	0.0	0.8	72.7	64.1
Czech Republic	430	2.8	85.7	5.7	5.1	0.6	85.7	0.0	0.5	0.2	89.4	82.1
Denmark	269	6.3	69.3	6.3	13.1	4.9	69.3	0.0	0.5	4.4	67.3	71.6
England	218	8.0	62.6	9.0	18.2	2.2	62.6	0.0	0.0	2.2	60.4	64.5
France	364	3.2	86.5	5.1	4.0	1.2	86.5	0.3	0.0	0.9	87.3	85.3
Germany	369	5.2	67.5	13.3	10.6	3.4	67.5	0.0	0.3	3.2	72.8	62.7
Greece	497	6.6	71.8	8.1	10.4	3.1	71.8	0.0	0.0	3.1	73.6	70.3
Hong Kong	411	2.3	85.9	7.1	2.8	2.0	85.9	0.2	0.2	1.5	87.4	84.6
Hungary	375	7.7	77.0	6.5	7.1	1.6	77.0	0.0	0.4	1.2	79.1	74.7
Iceland	233	8.6	73.5	7.0	10.3	0.6	73.5	0.0	0.4	0.2	77.7	69.1
Iran, Islamic Rep.	463	6.7	62.0	12.3	16.8	2.2	62.0	0.2	0.0	2.0	67.7	57.6
Ireland	378	4.5	81.5	6.1	7.3	0.5	81.5	0.0	0.3	0.2	85.6	77.5
Israel	185	7.9	72.1	5.3	7.8	6.9	72.1	0.0	1.2	5.7	71.9	73.2
Japan	659	3.2	85.8	8.7	2.1	0.2	85.8	0.2	0.0	0.0	88.1	83.7
Korea	364	2.6	87.7	4.5	5.1	0.0	87.7	0.0	0.0	0.0	87.1	88.2
Kuwait	210	12.0	28.6	13.4	38.4	7.5	28.6	0.0	1.8	5.7	31.7	25.8
Latvia (LSS)	287	7.5	69.4	9.3	10.6	3.1	69.4	0.0	0.2	2.9	72.6	66.3
Lithuania	306	4.2	72.4	7.2	10.0	6.2	72.4	0.0	0.3	5.9	74.0	70.4
Netherlands	239	6.7	68.1	13.5	10.7	0.9	68.1	0.1	0.8	0.0	74.6	61.1
New Zealand	468	9.6	63.7	7.9	18.2	0.6	63.7	0.0	0.0	0.6	65.1	62.4
Norway	405	6.8	71.8	9.5	10.0	2.0	71.8	0.0	0.0	2.0	76.6	67.2
Philippines	752	10.4	64.2	10.9	13.2	1.3	64.2	0.0	0.0	1.3	67.5	60.3
Portugal	425	7.1	59.6	13.4	16.9	3.1	59.6	0.0	0.0	3.1	60.9	58.3
Romania	468	7.8	68.5	7.5	8.6	7.7	68.5	0.2	0.0	7.5	67.7	69.3
Russian Federation	507	3.1	83.5	5.2	6.0	2.2	83.5	0.0	0.0	2.2	84.8	82.0
Scotland	345	9.8	65.5	8.1	15.5	1.2	65.5	0.0	0.3	0.9	66.4	64.6
Singapore	597	1.4	92.5	4.1	1.6	0.4	92.5	0.0	0.2	0.2	94.6	90.6
Slovak Republic	449	4.6	80.6	5.1	7.9	1.8	80.6	0.0	0.0	1.8	86.3	74.8
Slovenia	334	2.8	83.0	5.3	7.3	1.6	83.0	0.0	0.0	1.6	81.5	84.5
South Africa	581	15.1	32.6	20.4	27.4	4.4	32.6	0.4	0.5	3.4	32.8	31.7
Spain	479	4.7	72.7	10.2	11.5	0.9	72.7	0.0	0.0	0.9	79.4	65.5
Sweden	478	7.2	76.7	6.0	8.0	2.1	76.7	0.2	0.0	1.9	81.2	72.6
Switzerland	610	4.2	86.1	7.2	2.0	0.4	86.1	0.0	0.0	0.4	86.8	85.5
Thailand	771	4.2	79.7	9.6	4.5	1.9	79.7	0.2	0.5	1.3	82.1	75.6
United States	900	4.7	78.2	8.7	6.9	1.5	78.2	0.0	0.2	1.3	82.1	74.4
INTERNATIONAL AVG	.	6.4	72.3	8.3	10.6	2.3	72.3	0.1	0.3	2.0	74.7	69.9

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: I06
 Write a fraction larger than a given number. (Fractions and number sense)
 Difficulty: 427

COUNTRY	N	10	11	12	13	19	70	71	72	79	90	99	V1	NOT	OMIT	1.GIRL	2.BOY
														REACH		% Right	% Right
														ED			
Australia	894	40.8	1.8	2.1	16.2	17.1	2.3	5.6	1.3	5.6	1.2	6.1	77.9	0.4	5.7	76.9	78.9
Austria	344	53.4	1.6	2.8	10.6	18.6	4.1	0.6	1.1	3.4	0.4	3.4	86.9	0.0	3.4	86.1	88.5
Belgium (Fl)	361	49.8	7.0	0.8	5.8	17.4	10.4	0.8	1.2	5.2	0.0	1.6	80.9	0.0	1.6	79.4	82.4
Belgium (Fr)	313	0.0	0.0	0.0	0.0	71.9	0.0	0.0	0.0	21.5	0.0	6.6	71.9	0.0	6.6	68.3	75.9
Bulgaria	328	34.8	9.2	2.3	10.0	7.8	11.0	0.0	1.4	10.3	0.4	12.6	64.2	0.7	11.9	61.0	68.6
Canada	1053	42.8	1.4	4.3	15.2	16.3	0.9	11.9	0.8	3.8	0.9	1.9	79.9	0.0	1.9	77.1	82.4
Colombia	328	7.0	1.1	22.5	4.8	41.1	0.3	5.3	2.3	6.7	0.0	8.8	76.5	1.7	7.2	75.6	77.1
Cyprus	392	31.2	2.4	2.6	23.7	17.1	5.1	4.9	1.0	3.7	0.0	8.4	77.0	0.0	8.4	77.7	76.2
Czech Republic	430	36.6	3.9	6.9	12.8	22.9	2.6	0.7	4.2	2.9	0.6	5.8	83.2	0.5	5.3	84.4	82.0
Denmark	269	31.3	4.0	4.1	11.6	14.3	4.7	1.8	5.3	7.6	0.0	15.2	65.4	0.5	14.7	54.1	76.5
England	218	34.1	3.6	5.6	14.8	21.1	1.0	1.9	4.2	9.4	0.5	3.7	79.3	0.0	3.7	81.2	77.6
France	364	38.7	6.6	2.9	7.5	19.7	3.3	8.0	3.0	7.2	0.3	2.9	75.4	0.0	2.9	78.3	74.6
Germany	366	41.6	5.9	3.6	16.5	13.6	5.1	0.0	2.0	4.1	0.3	7.4	81.1	0.3	7.2	81.7	81.1
Greece	497	30.9	5.4	8.8	9.4	22.8	7.3	1.8	1.9	8.7	0.9	2.0	77.3	0.0	2.0	77.6	77.2
Hong Kong	408	57.4	4.5	0.6	15.4	6.9	2.0	1.4	0.7	6.7	0.7	3.6	84.9	0.2	3.4	83.7	85.8
Hungary	375	38.8	3.3	3.0	8.4	33.5	3.3	1.5	1.1	3.6	0.3	3.3	86.9	0.4	2.9	90.9	82.4
Iceland	233	43.6	9.0	0.6	22.2	13.6	5.0	0.2	0.8	2.1	0.6	2.2	89.0	0.4	1.8	89.4	88.7
Iran, Islamic Rep.	463	22.0	1.7	6.9	0.6	0.0	9.7	20.1	2.8	28.5	0.2	7.4	31.2	0.0	7.4	27.4	34.2
Ireland	378	36.7	3.2	2.0	19.9	20.2	5.0	1.6	1.6	6.5	0.6	2.5	82.1	0.3	2.3	81.9	82.4
Israel	185	35.8	5.6	2.3	25.6	10.7	7.5	0.0	1.3	5.5	0.0	5.7	79.9	1.2	4.5	74.5	86.7
Japan	659	63.8	5.0	0.3	10.0	7.9	7.7	0.4	1.3	1.5	0.2	2.0	87.0	0.0	2.0	84.0	89.8
Korea	364	66.6	3.6	3.4	3.0	7.4	6.3	2.0	0.8	4.4	0.0	2.6	83.9	0.0	2.6	79.0	87.5
Kuwait	210	10.5	1.4	8.2	9.1	7.3	1.3	2.7	7.2	23.1	0.0	29.3	36.5	1.8	27.5	39.6	33.7
Latvia (LSS)	287	35.2	8.9	3.9	9.1	11.5	10.0	1.9	3.1	6.6	0.0	9.8	68.6	0.2	9.6	66.1	71.1
Lithuania	306	26.2	8.4	8.5	7.7	16.3	3.5	3.5	3.2	9.1	0.3	13.4	67.0	0.3	13.1	67.7	66.2
Netherlands	239	33.7	3.7	1.0	19.5	18.4	11.3	3.0	1.8	4.8	0.0	2.9	76.2	0.8	2.0	70.4	81.6
New Zealand	468	34.4	3.3	2.8	22.0	17.7	1.4	5.2	2.6	6.2	0.2	4.4	80.1	0.0	4.4	81.5	78.9
Norway	405	47.5	4.4	4.8	8.4	19.3	4.2	1.9	3.2	4.3	0.3	1.6	84.4	0.0	1.6	85.6	83.3
Philippines	752	20.5	2.9	7.6	7.3	14.0	8.0	8.8	2.4	14.8	2.0	11.8	52.3	0.0	11.8	53.2	51.6
Portugal	425	13.9	7.4	12.7	7.4	21.9	2.2	2.9	4.4	16.8	0.9	9.6	63.3	0.0	9.6	63.8	62.9
Romania	468	32.8	6.2	7.0	5.4	13.1	3.1	1.1	2.5	13.9	0.5	14.5	64.5	0.0	14.5	64.9	64.0
Russian Federation	507	37.9	9.0	9.0	8.8	18.8	4.1	0.3	1.7	7.1	0.2	3.1	83.4	0.0	3.1	83.2	83.7
Scotland	345	37.2	2.2	2.9	17.6	20.7	1.8	2.7	3.3	7.4	0.2	3.9	80.7	0.3	3.7	80.6	80.8
Singapore	597	58.3	1.6	1.7	16.9	9.4	4.6	1.1	0.4	4.5	0.0	1.5	87.9	0.2	1.3	83.9	91.5
Slovak Republic	449	41.7	6.2	5.5	9.9	21.8	1.8	1.7	3.2	4.0	0.6	3.6	85.2	0.0	3.6	85.8	84.6
Slovenia	334	52.3	1.8	2.8	11.7	8.3	5.2	0.8	3.3	9.1	0.6	4.2	76.8	0.0	4.2	78.2	76.1
South Africa	583	14.7	0.4	4.3	9.1	21.1	1.4	7.9	1.3	27.2	0.9	11.7	49.7	0.5	11.1	48.8	49.4
Spain	479	23.8	3.1	8.3	5.1	30.4	4.6	8.3	4.0	10.8	0.2	1.4	70.7	0.0	1.4	69.6	71.8
Sweden	478	41.7	5.0	1.8	10.6	18.9	5.3	1.0	2.1	6.1	1.8	5.8	78.0	0.0	5.8	81.3	74.9
Switzerland	610	47.9	3.5	1.3	11.7	19.1	4.0	1.2	1.9	5.1	0.0	4.4	83.4	0.0	4.4	79.6	86.8
Thailand	771	22.5	1.0	8.6	16.9	24.3	2.5	9.8	0.4	7.5	0.9	5.4	73.4	0.5	5.0	72.9	74.9
United States	900	32.7	2.9	3.3	25.3	16.8	2.2	3.6	1.7	7.6	0.8	3.1	81.0	0.2	2.9	78.3	83.7
INTERNATIONAL AVG	.	35.8	4.1	4.6	12.0	18.4	4.4	3.3	2.2	8.4	0.4	6.2	74.9	0.3	5.9	73.9	75.9

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 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

Item: I07 KEY: A
 Recognize when estimation is appropriate. (Fractions and number sense)
 Difficulty: 495

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	894	78.1	8.2	6.0	5.9	1.8	78.1	0.0	0.6	1.2	82.4	73.6
Austria	344	67.0	7.1	16.3	7.4	2.3	67.0	0.0	0.0	2.3	70.7	64.5
Belgium (Fl)	361	74.2	5.1	16.0	4.2	0.5	74.2	0.0	0.0	0.5	72.5	75.9
Belgium (Fr)	313	68.6	11.5	13.9	2.8	3.1	68.6	0.0	0.0	3.1	70.6	68.0
Bulgaria	328	59.5	5.7	11.5	19.2	4.1	59.5	0.4	1.0	2.7	58.2	61.0
Canada	1053	85.7	8.2	3.4	2.3	0.4	85.7	0.0	0.0	0.4	89.4	82.4
Colombia	328	42.0	13.9	22.1	18.1	3.9	42.0	0.0	2.0	2.0	40.8	43.0
Cyprus	392	41.2	17.2	19.3	21.2	1.2	41.2	0.2	0.0	1.0	41.7	40.4
Czech Republic	430	75.3	7.0	6.6	9.0	2.1	75.3	0.3	0.5	1.3	84.7	66.0
Denmark	269	61.6	9.8	15.8	8.9	4.0	61.6	0.0	0.5	3.5	62.2	60.4
England	218	85.7	4.6	3.8	5.4	0.5	85.7	0.0	0.0	0.5	89.6	82.2
France	364	58.1	9.4	15.0	14.9	2.7	58.1	1.1	0.0	1.5	59.1	58.2
Germany	369	72.7	7.3	10.7	6.2	3.1	72.7	0.3	0.3	2.5	77.8	68.0
Greece	497	57.3	10.4	13.0	17.7	1.6	57.3	0.0	0.0	1.6	54.9	59.3
Hong Kong	411	67.4	5.0	9.7	16.4	1.5	67.4	0.2	0.2	1.0	68.7	66.4
Hungary	375	81.7	6.6	3.5	7.0	1.2	81.7	0.0	0.4	0.8	85.0	77.8
Iceland	233	72.9	8.7	8.8	6.6	2.9	72.9	0.0	0.4	2.5	79.9	65.8
Iran, Islamic Rep.	463	40.6	22.5	9.3	26.3	1.3	40.6	0.7	0.0	0.6	41.3	40.2
Ireland	378	79.7	5.5	9.1	4.9	0.8	79.7	0.2	0.3	0.3	85.0	74.7
Israel	185	64.5	9.1	16.4	6.6	3.3	64.5	0.0	1.2	2.1	62.6	68.6
Japan	659	71.3	4.1	10.5	13.7	0.4	71.3	0.0	0.0	0.4	72.8	69.9
Korea	364	62.4	9.4	15.2	12.9	0.0	62.4	0.0	0.0	0.0	68.7	57.9
Kuwait	210	37.5	20.9	22.4	15.3	3.9	37.5	0.0	1.8	2.1	50.9	25.2
Latvia (LSS)	287	65.7	6.1	13.3	13.0	1.9	65.7	0.0	0.2	1.7	67.5	63.8
Lithuania	306	52.0	9.8	8.2	22.7	7.3	52.0	0.6	0.3	6.4	53.1	50.6
Netherlands	239	52.4	15.8	18.3	11.8	1.7	52.4	0.0	1.2	0.5	66.8	39.7
New Zealand	468	74.0	10.3	8.2	7.2	0.3	74.0	0.0	0.0	0.3	74.9	73.2
Norway	405	76.0	10.2	6.0	7.5	0.4	76.0	0.0	0.0	0.4	79.9	72.2
Philippines	752	51.3	19.3	11.7	17.2	0.5	51.3	0.0	0.0	0.5	53.9	48.1
Portugal	425	52.8	14.1	13.0	18.5	1.6	52.8	0.0	0.0	1.6	51.4	54.1
Romania	469	45.9	6.9	20.4	21.5	5.3	45.9	1.4	0.0	3.9	47.7	44.0
Russian Federation	507	58.3	6.4	16.9	15.4	3.0	58.3	0.0	0.0	3.0	57.8	58.9
Scotland	345	83.1	5.0	6.2	4.3	1.4	83.1	0.5	0.3	0.6	83.7	82.6
Singapore	597	79.7	8.0	4.8	6.7	0.9	79.7	0.0	0.2	0.7	85.5	74.5
Slovak Republic	449	76.5	7.4	8.0	5.7	2.4	76.5	0.2	0.0	2.2	82.4	70.5
Slovenia	334	51.6	8.6	22.2	16.8	0.8	51.6	0.0	0.0	0.8	49.5	54.4
South Africa	581	41.8	10.8	13.7	30.3	3.5	41.8	0.7	0.5	2.3	41.4	41.4
Spain	479	61.6	7.4	12.8	15.5	2.6	61.6	0.0	0.0	2.6	60.7	62.7
Sweden	478	80.9	4.7	7.3	6.5	0.6	80.9	0.2	0.0	0.4	83.3	78.7
Switzerland	610	63.5	10.6	17.4	6.4	2.1	63.5	0.5	0.0	1.5	62.7	64.2
Thailand	771	61.6	7.9	18.1	10.2	2.3	61.6	0.0	0.5	1.8	64.4	57.1
United States	900	82.5	7.7	6.0	2.4	1.4	82.5	0.3	0.2	0.9	87.4	77.7
INTERNATIONAL AVG	.	64.7	9.4	12.2	11.7	2.1	64.7	0.2	0.3	1.6	67.2	62.3

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: I08 KEY: C
 Identify point on a line defined by two other points. (Geometry)
 Difficulty: 597

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	894	13.0	19.4	51.3	4.7	8.0	3.6	51.3	0.0	0.6	3.0	49.7	53.0
Austria	344	12.1	19.2	54.2	4.4	3.0	7.2	54.2	0.0	0.0	7.2	50.3	57.9
Belgium (Fl)	361	12.2	24.4	43.9	8.9	4.8	5.8	43.9	0.0	0.0	5.8	40.7	47.3
Belgium (Fr)	313	7.1	37.8	22.5	4.0	4.1	24.5	22.5	2.1	0.3	22.1	21.6	23.7
Bulgaria	328	13.2	25.1	38.1	6.1	3.9	13.6	38.1	1.9	1.6	10.1	39.9	36.9
Canada	1053	12.7	24.7	49.0	4.9	7.1	1.5	49.0	0.1	0.0	1.4	47.1	50.7
Colombia	328	23.1	32.9	27.5	3.9	3.3	9.3	27.5	0.3	2.5	6.5	32.5	22.2
Cyprus	392	13.7	25.5	30.2	7.3	4.9	18.5	30.2	13.0	0.0	5.5	25.2	34.5
Czech Republic	430	20.0	23.0	33.9	3.2	10.4	9.4	33.9	3.3	0.7	5.4	32.7	35.2
Denmark	269	10.8	19.6	51.0	2.9	3.7	11.9	51.0	1.0	0.5	10.5	49.6	52.8
England	218	14.4	16.9	55.4	2.7	8.3	2.2	55.4	0.0	0.0	2.2	53.5	57.1
France	364	13.9	22.4	33.7	7.0	7.5	15.5	33.7	6.7	0.0	8.8	33.0	35.1
Germany	369	13.6	21.4	37.9	4.6	7.1	15.3	37.9	3.5	0.5	11.4	39.0	37.5
Greece	497	23.5	32.7	24.5	3.9	7.6	7.7	24.5	1.7	0.0	6.0	19.5	28.6
Hong Kong	411	10.2	25.6	49.7	6.1	6.5	1.8	49.7	0.0	0.2	1.6	54.3	45.9
Hungary	375	14.9	17.0	50.6	2.8	7.6	7.1	50.6	0.0	0.7	6.4	45.8	56.1
Iceland	233	9.9	36.4	42.6	5.0	1.0	5.1	42.6	0.7	0.4	4.0	31.9	53.6
Iran, Islamic Rep.	463	24.2	36.7	17.0	6.9	10.9	4.3	17.0	0.3	0.0	4.0	13.4	19.8
Ireland	378	14.0	26.4	46.3	3.4	7.2	2.8	46.3	1.7	0.3	0.8	39.4	53.0
Israel	185	11.7	21.6	41.6	2.4	12.3	10.5	41.6	0.0	1.2	9.3	40.5	43.7
Japan	659	8.8	25.4	46.6	8.4	10.0	0.9	46.6	0.2	0.0	0.7	45.8	47.2
Korea	364	14.2	29.1	42.3	4.8	9.5	0.0	42.3	0.0	0.0	0.0	33.0	48.9
Kuwait	210	20.7	28.8	23.9	12.8	8.1	5.7	23.9	0.0	2.0	3.7	22.9	24.9
Latvia (LSS)	286	8.4	36.2	38.3	2.7	2.4	12.0	38.3	0.0	0.6	11.4	33.4	43.2
Lithuania	306	14.2	30.0	23.7	3.7	6.6	21.8	23.7	0.0	0.9	20.9	19.6	28.5
Netherlands	239	11.3	18.0	66.0	2.3	1.2	1.2	66.0	0.0	1.2	0.0	61.9	69.0
New Zealand	468	15.2	17.2	52.5	4.6	8.7	1.9	52.5	1.0	0.0	0.9	53.3	51.8
Norway	405	12.3	25.6	43.6	5.2	5.4	8.0	43.6	0.0	0.0	8.0	43.1	44.1
Philippines	752	21.1	31.9	30.3	4.7	11.3	0.7	30.3	0.0	0.0	0.7	28.8	32.4
Portugal	425	10.3	30.3	45.8	4.7	5.6	3.3	45.8	0.0	0.0	3.3	43.1	48.3
Romania	469	21.4	30.0	22.2	5.4	2.8	18.3	22.2	4.1	0.4	13.8	19.5	25.0
Russian Federation	507	15.6	23.3	45.8	2.2	5.1	8.0	45.8	0.6	0.0	7.4	43.2	48.7
Scotland	345	14.0	22.4	52.5	3.8	4.0	3.3	52.5	1.1	0.3	1.9	48.3	56.1
Singapore	597	12.9	14.7	59.3	3.4	8.3	1.4	59.3	0.0	0.2	1.2	62.0	57.0
Slovak Republic	448	16.9	22.9	40.4	5.8	7.7	6.3	40.4	1.2	0.0	5.1	36.5	44.4
Slovenia	334	19.2	26.4	31.5	5.6	8.8	8.5	31.5	0.5	0.0	8.0	27.6	35.1
South Africa	581	20.8	28.7	25.1	9.7	12.4	3.3	25.1	0.5	0.8	1.9	25.7	25.1
Spain	479	17.3	26.1	38.7	4.6	7.6	5.7	38.7	0.0	0.0	5.7	35.4	42.2
Sweden	478	11.1	27.1	50.7	3.8	4.2	3.1	50.7	0.3	0.0	2.8	52.4	49.5
Switzerland	610	10.2	19.3	51.4	2.9	5.1	11.1	51.4	3.1	0.2	7.8	46.7	55.5
Thailand	771	15.7	25.0	43.8	6.6	6.6	2.3	43.8	0.0	0.5	1.8	41.1	47.2
United States	900	14.1	29.6	40.9	6.9	7.0	1.4	40.9	0.1	0.3	1.0	37.7	44.1
INTERNATIONAL AVG	.	14.6	25.6	40.9	5.0	6.6	7.3	40.9	1.2	0.4	5.7	38.6	43.2

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: I09 KEY: A
 Predict most likely color of random card based on fraction of colors. (Data Rep., Analysis & Prob.)
 Difficulty: 490

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	894	73.7	5.0	4.2	15.9	1.2	73.7	0.0	0.8	0.4	76.0	71.2
Austria	344	79.1	5.7	2.4	10.9	1.9	79.1	0.0	0.0	1.9	73.5	85.3
Belgium (Fl)	361	84.8	1.3	3.5	10.1	0.2	84.8	0.0	0.0	0.2	82.5	87.2
Belgium (Fr)	313	68.2	2.8	5.2	22.0	1.8	68.2	0.0	0.3	1.6	72.2	64.7
Bulgaria	328	53.7	5.7	9.1	27.1	4.4	53.7	0.0	1.6	2.8	55.4	52.8
Canada	1053	76.2	3.0	2.3	18.2	0.3	76.2	0.0	0.0	0.3	75.6	77.5
Colombia	328	24.6	5.7	13.7	49.0	7.1	24.6	0.0	2.5	4.5	26.0	23.5
Cyprus	392	69.0	11.9	6.7	11.3	1.1	69.0	0.0	0.0	1.1	68.9	68.8
Czech Republic	430	67.2	2.8	5.8	21.8	2.3	67.2	0.1	0.7	1.6	64.2	70.2
Denmark	269	66.6	3.7	3.7	23.6	2.3	66.6	0.0	1.1	1.3	58.4	74.6
England	218	71.0	2.7	1.1	25.1	0.0	71.0	0.0	0.0	0.0	66.0	75.5
France	364	72.0	3.1	2.3	21.7	0.9	72.0	0.0	0.0	0.9	64.6	79.1
Germany	369	74.9	3.5	4.2	14.3	3.2	74.9	0.0	0.5	2.8	78.2	72.0
Greece	497	55.3	5.2	7.9	29.9	1.6	55.3	0.1	0.0	1.5	52.6	57.6
Hong Kong	411	87.4	3.9	3.0	4.7	0.9	87.4	0.0	0.2	0.7	86.5	88.3
Hungary	375	72.6	2.5	3.6	18.8	2.6	72.6	0.0	0.9	1.7	72.0	73.3
Iceland	233	79.4	5.6	4.0	9.0	2.0	79.4	0.0	0.4	1.6	79.7	79.1
Iran, Islamic Rep.	463	40.8	8.7	11.7	38.5	0.3	40.8	0.0	0.2	0.1	30.6	48.7
Ireland	378	84.5	2.1	3.7	8.8	0.8	84.5	0.6	0.3	0.0	86.9	82.1
Israel	185	77.7	1.7	3.5	14.3	2.8	77.7	0.0	1.8	1.0	73.9	84.9
Japan	659	87.0	2.5	1.0	9.6	0.0	87.0	0.0	0.0	0.0	83.7	90.0
Korea	364	63.3	1.9	4.9	29.9	0.0	63.3	0.0	0.0	0.0	54.4	69.7
Kuwait	210	34.6	10.6	16.6	33.3	5.0	34.6	0.0	2.0	3.0	38.9	30.6
Latvia (LSS)	287	65.1	5.2	4.5	22.2	3.0	65.1	0.0	1.0	1.9	66.0	64.3
Lithuania	306	49.5	4.4	12.2	26.2	7.8	49.5	0.0	1.3	6.6	50.4	48.3
Netherlands	239	81.2	3.5	1.3	12.3	1.6	81.2	0.0	1.2	0.4	80.6	82.2
New Zealand	468	79.4	3.3	2.5	14.4	0.3	79.4	0.0	0.0	0.3	77.0	81.6
Norway	405	70.9	5.6	4.6	18.6	0.3	70.9	0.0	0.0	0.3	67.7	73.9
Philippines	752	47.6	11.7	14.6	25.4	0.7	47.6	0.0	0.0	0.7	50.0	45.2
Portugal	425	42.1	3.7	7.3	45.8	1.0	42.1	0.0	0.0	1.0	41.3	42.9
Romania	469	51.7	8.8	10.7	21.8	7.0	51.7	0.9	0.7	5.4	52.4	50.9
Russian Federation	506	69.6	3.9	4.8	19.6	2.2	69.6	0.2	0.0	2.0	69.5	69.7
Scotland	345	72.7	1.7	3.1	22.2	0.3	72.7	0.0	0.3	0.0	70.2	74.9
Singapore	597	91.8	2.6	1.8	3.4	0.5	91.8	0.0	0.2	0.2	90.5	93.0
Slovak Republic	449	69.7	3.2	3.2	21.5	2.4	69.7	0.1	0.0	2.2	68.8	70.7
Slovenia	334	75.3	4.2	3.0	17.2	0.3	75.3	0.0	0.0	0.3	75.9	74.4
South Africa	581	41.9	15.9	16.6	23.8	1.9	41.9	0.2	0.8	0.8	42.7	41.5
Spain	479	44.9	2.7	4.9	46.6	1.0	44.9	0.0	0.0	1.0	36.6	53.8
Sweden	478	81.6	2.7	1.4	13.7	0.6	81.6	0.2	0.0	0.5	81.9	81.2
Switzerland	610	79.9	4.7	2.3	12.0	1.2	79.9	0.1	0.2	0.9	77.4	82.1
Thailand	771	66.4	4.7	5.6	21.6	1.7	66.4	0.0	0.5	1.2	68.6	62.9
United States	900	67.6	5.0	7.2	19.1	1.0	67.6	0.0	0.3	0.7	67.9	67.4
INTERNATIONAL AVG	.	67.0	4.7	5.6	20.8	1.8	67.0	0.1	0.5	1.3	65.6	68.3

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: J10 KEY: C
 Determine area of sheet not covered by rectangular picture. (Measurement)
 Difficulty: 596

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	898	22.9	15.5	47.3	13.0	1.3	47.3	0.0	0.2	1.1	49.3	45.2
Austria	343	16.2	10.1	60.4	11.0	2.4	60.4	0.0	0.9	1.5	62.1	59.0
Belgium (Fl)	358	14.7	11.9	52.2	18.4	2.9	52.2	0.0	0.0	2.9	52.2	52.2
Belgium (Fr)	308	17.3	15.4	43.4	21.7	2.2	43.4	0.0	0.0	2.2	39.5	47.1
Bulgaria	161	18.7	7.3	61.5	6.8	5.7	61.5	0.0	0.7	5.1	62.9	59.8
Canada	1049	24.6	10.2	46.1	18.8	0.4	46.1	0.0	0.0	0.4	47.2	44.5
Colombia	328	56.3	11.4	9.3	12.5	10.5	9.3	2.3	1.6	6.6	9.2	9.5
Cyprus	365	17.7	16.6	52.1	11.7	1.9	52.1	0.0	0.4	1.5	52.4	51.8
Czech Republic	417	19.2	5.5	59.1	15.0	1.2	59.1	0.0	0.2	1.0	57.8	60.3
Denmark	281	21.6	15.5	43.0	13.8	6.1	43.0	0.0	0.3	5.8	40.4	46.7
England	216	38.1	18.6	31.7	10.0	1.5	31.7	0.0	0.0	1.5	29.9	33.4
France	381	13.2	9.7	52.1	23.9	1.2	52.1	0.0	0.0	1.2	52.8	51.0
Germany	346	24.4	21.8	40.8	7.6	5.5	40.8	0.0	0.0	5.5	36.4	44.6
Greece	494	30.5	17.1	36.3	12.0	4.1	36.3	0.4	0.0	3.7	38.2	34.5
Hong Kong	413	6.0	8.8	80.3	4.1	0.7	80.3	0.0	0.5	0.2	77.0	83.1
Hungary	374	28.4	15.2	51.3	3.2	1.8	51.3	0.0	0.0	1.8	55.0	47.7
Iceland	226	31.7	12.0	32.3	21.7	2.4	32.3	0.0	0.0	2.4	29.4	35.3
Iran, Islamic Rep.	473	33.4	13.2	24.4	27.7	1.3	24.4	0.0	0.3	1.1	19.0	29.4
Ireland	388	13.5	13.7	51.4	20.3	1.2	51.4	0.0	0.0	1.2	50.5	52.2
Israel	186	29.4	16.8	37.9	10.6	5.4	37.9	0.0	1.2	4.1	35.7	44.0
Japan	639	4.5	8.1	75.8	11.4	0.2	75.8	0.0	0.0	0.2	80.0	71.9
Korea	373	8.4	10.3	70.6	10.7	0.0	70.6	0.0	0.0	0.0	72.6	69.2
Kuwait	211	44.4	23.8	11.3	15.2	5.3	11.3	0.0	1.0	4.3	11.1	11.5
Latvia (LSS)	299	30.9	14.7	30.1	19.7	4.5	30.1	0.0	0.0	4.5	29.9	30.5
Lithuania	312	24.9	7.5	34.2	24.6	8.8	34.2	0.3	0.6	7.9	32.7	36.0
Netherlands	230	13.6	17.7	54.8	13.5	0.4	54.8	0.0	0.0	0.4	58.3	51.2
New Zealand	461	36.2	20.0	33.4	9.5	0.8	33.4	0.0	0.0	0.8	31.1	35.7
Norway	411	21.1	15.7	38.3	22.5	2.5	38.3	0.0	0.0	2.5	40.1	36.1
Philippines	743	46.8	11.2	17.6	24.1	0.3	17.6	0.1	0.1	0.0	15.2	20.9
Portugal	419	48.8	16.9	18.5	12.7	3.1	18.5	0.0	0.0	3.1	17.7	19.3
Romania	467	31.6	10.9	42.5	7.6	7.5	42.5	0.3	0.5	6.6	41.6	43.2
Russian Federation	518	19.8	7.0	48.7	20.2	4.4	48.7	0.0	0.6	3.8	46.5	50.9
Scotland	352	31.9	20.7	32.4	14.5	0.5	32.4	0.0	0.0	0.5	31.1	33.6
Singapore	582	2.0	2.9	89.7	4.7	0.7	89.7	0.0	0.0	0.7	91.7	88.1
Slovak Republic	436	16.4	5.6	64.4	10.4	3.1	64.4	0.2	0.0	2.9	64.3	64.5
Slovenia	344	26.1	11.3	48.0	12.9	1.7	48.0	0.0	0.0	1.7	46.8	49.2
South Africa	582	50.9	19.5	13.1	13.1	3.5	13.1	0.3	1.8	1.4	13.1	13.8
Spain	494	27.9	15.9	34.2	19.1	2.9	34.2	0.0	0.2	2.7	35.2	33.0
Sweden	527	21.5	13.8	44.8	18.9	0.9	44.8	0.1	0.2	0.5	45.3	44.7
Switzerland	609	20.6	11.1	54.0	13.0	1.4	54.0	0.3	0.0	1.1	54.4	53.5
Thailand	766	15.4	13.1	61.3	8.6	1.6	61.3	0.1	0.7	0.8	61.5	61.5
United States	899	30.4	21.3	33.1	13.5	1.7	33.1	0.0	0.2	1.5	28.3	37.9
INTERNATIONAL AVG	.	25.0	13.5	44.4	14.4	2.8	44.4	0.1	0.3	2.4	43.9	44.9

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: J11 KEY: E
 Identify properties of a parallelogram. (Geometry)
 Difficulty: 573

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	898	5.9	28.4	8.2	9.5	45.7	2.4	45.7	0.0	0.5	1.9	47.3	44.0
Austria	343	3.9	18.9	10.3	14.2	47.8	4.9	47.8	0.0	0.9	4.0	52.8	44.5
Belgium (Fl)	358	2.7	11.2	3.9	2.0	78.8	1.4	78.8	0.3	0.0	1.1	81.2	76.0
Belgium (Fr)	308	2.1	27.4	5.2	3.3	57.0	5.0	57.0	0.0	0.0	5.0	57.9	56.2
Bulgaria	161	4.2	9.8	1.3	2.4	78.4	3.9	78.4	1.8	0.7	1.4	82.5	73.5
Canada	1049	4.1	27.7	9.0	10.8	47.8	0.6	47.8	0.1	0.0	0.5	52.3	42.5
Colombia	328	13.3	20.0	9.5	15.8	34.0	7.3	34.0	0.9	1.6	4.9	32.5	35.3
Cyprus	365	8.6	28.2	8.9	10.2	41.3	2.8	41.3	0.1	0.4	2.2	45.1	38.0
Czech Republic	417	5.4	26.6	4.2	6.4	56.6	0.8	56.6	0.0	0.2	0.5	62.6	51.1
Denmark	281	3.7	35.2	5.5	7.7	42.9	5.1	42.9	0.8	0.3	3.9	44.8	41.7
England	216	8.6	25.6	7.8	9.5	48.1	0.5	48.1	0.0	0.0	0.5	50.1	46.4
France	381	4.9	19.6	6.6	3.0	62.4	3.4	62.4	2.7	0.0	0.7	66.9	61.1
Germany	346	2.3	19.7	5.2	7.8	54.9	10.2	54.9	5.9	0.6	3.6	59.8	50.8
Greece	494	5.6	24.7	7.0	13.9	47.1	1.9	47.1	0.6	0.0	1.2	51.4	42.8
Hong Kong	413	4.3	20.1	10.6	7.5	55.9	1.5	55.9	0.3	0.5	0.7	56.6	55.3
Hungary	374	7.3	12.6	10.5	8.8	57.4	3.4	57.4	0.0	0.0	3.4	61.9	52.9
Iceland	226	10.0	29.6	5.2	10.1	42.9	2.3	42.9	0.0	0.0	2.3	41.5	44.3
Iran, Islamic Rep.	473	24.3	15.9	12.3	14.7	31.1	1.8	31.1	0.8	0.3	0.7	30.3	32.2
Ireland	388	3.4	25.6	14.0	8.1	47.2	1.8	47.2	0.0	0.0	1.8	47.1	47.3
Israel	186	7.7	19.7	6.4	6.7	56.6	3.0	56.6	0.0	1.2	1.7	54.6	57.0
Japan	.	.	.	.	.	.	.	.	.	.	.	.	.
Korea	373	4.5	8.2	3.1	5.6	78.7	0.0	78.7	0.0	0.0	0.0	79.0	78.5
Kuwait	210	32.3	25.9	3.6	22.4	13.3	2.5	13.3	0.0	1.0	1.4	10.6	15.9
Latvia (LSS)	300	13.4	18.5	2.7	10.3	50.5	4.6	50.5	0.0	0.0	4.6	54.4	45.0
Lithuania	312	4.1	27.0	4.0	9.6	46.7	8.6	46.7	0.9	0.6	7.1	48.9	44.0
Netherlands	230	11.6	23.3	21.2	6.3	36.9	0.6	36.9	0.0	0.0	0.6	33.8	40.2
New Zealand	461	4.8	24.7	11.8	12.5	44.3	2.0	44.3	0.2	0.0	1.8	49.2	39.7
Norway	411	9.3	26.0	9.7	7.3	44.7	2.9	44.7	0.0	0.0	2.9	46.1	43.1
Philippines	743	13.5	19.9	14.1	14.1	37.7	0.7	37.7	0.1	0.1	0.4	38.3	36.9
Portugal	419	11.8	30.6	8.7	11.3	33.4	4.2	33.4	0.0	0.0	4.2	34.4	32.4
Romania	467	1.7	17.2	2.8	3.2	66.9	8.1	66.9	3.0	0.5	4.6	72.2	62.2
Russian Federation	518	5.1	15.0	3.1	4.3	69.3	3.1	69.3	1.1	0.6	1.4	75.0	63.6
Scotland	352	5.1	27.6	12.3	11.2	42.3	1.5	42.3	1.3	0.0	0.2	45.5	39.3
Singapore	582	4.3	17.8	9.5	9.8	57.3	1.4	57.3	0.0	0.0	1.4	64.3	51.7
Slovak Republic	436	7.9	36.4	2.6	3.7	46.4	3.0	46.4	0.8	0.0	2.3	48.5	44.3
Slovenia	344	12.4	14.9	10.3	18.8	39.9	3.7	39.9	0.6	0.0	3.1	45.2	34.4
South Africa	582	10.3	27.4	14.2	16.4	26.6	5.1	26.6	0.7	1.8	2.6	29.6	24.4
Spain	494	7.4	35.1	5.5	11.0	39.7	1.3	39.7	0.0	0.2	1.0	37.8	41.9
Sweden	527	6.1	32.8	7.1	8.7	43.7	1.6	43.7	0.3	0.2	1.1	49.1	38.4
Switzerland	609	6.4	13.6	10.5	11.9	52.0	5.4	52.0	3.3	0.0	2.1	51.5	52.6
Thailand	766	4.0	15.7	8.1	8.9	61.7	1.7	61.7	0.3	0.7	0.7	63.5	60.2
United States	899	7.6	32.6	8.7	9.0	40.0	2.1	40.0	0.1	0.3	1.7	43.2	36.8
INTERNATIONAL AVG	.	7.7	22.9	7.9	9.5	48.9	3.1	48.9	0.7	0.3	2.1	51.2	46.8

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: J12
 Divide fractions. (Fractions and number sense)
 Difficulty: 593

COUNTRY	N	10	19	70	71	72	79	90	99	V1	NOT	1.GIRL	2.BOY	
											REACH			OMIT	% Right	% Right
Australia	898	23.1	1.5	18.3	1.2	1.6	25.0	7.6	21.6	24.7	0.5	21.1	28.7	20.5
Austria	343	43.5	8.1	9.9	0.4	3.5	23.8	4.6	6.3	51.6	0.9	5.4	56.0	48.1
Belgium (Fl)	358	50.6	3.7	7.5	0.5	0.8	25.2	0.7	11.0	54.4	0.0	11.0	58.9	49.1
Belgium (Fr)	308	0.0	40.9	0.0	0.0	0.0	31.2	0.0	27.8	40.9	0.0	27.8	44.1	37.9
Bulgaria	161	58.4	8.4	4.1	0.0	1.8	10.4	3.0	13.8	66.8	0.7	13.2	65.5	68.4
Canada	1049	23.5	5.4	20.8	2.1	0.9	28.8	5.3	13.2	28.9	0.2	13.1	33.2	24.6
Colombia	328	9.5	14.2	16.4	0.8	3.0	29.2	0.5	26.5	23.6	1.9	24.6	24.5	22.3
Cyprus	365	35.0	12.8	1.5	0.0	0.9	24.6	1.7	23.5	47.8	0.4	23.0	56.2	40.3
Czech Republic	417	60.8	5.6	5.0	0.2	1.4	18.8	2.2	6.1	66.4	0.2	5.8	74.3	58.9
Denmark	281	3.7	1.3	12.0	2.9	0.2	19.8	6.3	53.8	5.0	0.3	53.5	3.3	6.9
England	216	7.1	1.3	19.6	1.9	0.8	44.4	9.5	15.4	8.4	0.0	15.4	7.5	9.1
France	381	39.9	13.2	7.5	0.2	0.6	23.4	1.8	13.4	53.1	0.0	13.4	53.4	52.4
Germany	339	38.2	6.0	6.2	0.2	1.9	21.0	2.5	24.0	44.2	0.6	23.4	45.7	43.2
Greece	494	13.5	22.5	10.8	0.2	0.5	25.0	5.6	21.9	36.0	0.0	21.9	38.0	34.0
Hong Kong	389	67.3	2.8	1.6	0.3	1.0	20.1	0.3	6.4	70.2	0.5	5.9	68.8	71.4
Hungary	374	48.7	20.1	3.2	0.0	1.3	18.3	0.8	7.5	68.9	0.0	7.5	73.6	64.1
Iceland	226	1.1	3.8	18.1	0.2	0.4	39.6	7.5	29.2	4.9	0.0	29.2	5.8	3.9
Iran, Islamic Rep.	473	45.8	9.4	14.0	0.0	0.0	18.0	2.1	10.6	55.2	0.3	10.3	59.4	51.2
Ireland	388	42.2	1.0	4.7	4.4	2.8	33.1	3.0	8.8	43.2	0.0	8.8	46.6	39.6
Israel	186	42.4	5.2	3.0	1.1	2.0	20.6	0.0	25.8	47.6	1.2	24.5	53.5	42.2
Japan	639	81.2	0.6	2.5	0.0	0.6	12.5	0.8	1.7	81.8	0.0	1.7	84.3	79.4
Korea	373	77.4	0.5	2.3	0.0	0.8	14.5	0.0	4.5	77.9	0.0	4.5	83.0	74.2
Kuwait	211	9.7	2.5	20.2	0.0	0.0	42.4	3.4	21.8	12.2	1.0	20.8	16.5	7.9
Latvia (LSS)	300	60.0	3.7	2.5	0.0	0.0	18.0	2.9	13.0	63.7	0.0	13.0	69.2	56.1
Lithuania	312	55.2	4.5	5.2	0.5	0.8	19.2	2.6	12.0	59.7	0.9	11.1	64.0	54.6
Netherlands	230	14.4	1.3	20.4	1.3	1.5	45.6	10.1	5.4	15.7	0.0	5.4	14.9	15.9
New Zealand	461	7.5	1.8	29.3	0.8	0.2	35.3	4.5	20.6	9.3	0.0	20.6	8.5	10.0
Norway	411	13.0	17.4	12.9	1.2	0.8	27.0	11.2	16.5	30.4	0.0	16.5	34.4	25.6
Philippines	739	15.6	3.1	34.8	0.1	1.2	34.9	2.0	8.3	18.7	0.1	8.1	17.9	19.9
Portugal	419	3.9	9.5	23.3	2.1	2.5	32.3	3.2	23.2	13.4	0.0	23.2	15.7	11.1
Romania	467	58.5	5.7	1.3	0.4	0.2	15.9	0.4	17.5	64.3	0.5	16.9	67.2	61.6
Russian Federation	518	66.6	3.5	2.7	0.0	2.4	15.8	1.1	7.9	70.1	0.6	7.4	75.3	64.9
Scotland	352	3.3	0.3	21.9	0.8	0.3	41.4	4.0	28.1	3.5	0.0	28.1	3.7	3.4
Singapore	582	86.3	0.6	0.7	0.0	1.2	10.3	0.2	0.8	86.8	0.0	0.8	90.2	84.1
Slovak Republic	436	65.9	10.2	1.2	1.4	0.5	14.3	2.0	4.5	76.1	0.0	4.5	76.5	75.7
Slovenia	344	64.9	6.2	3.1	0.0	0.9	21.1	0.0	3.9	71.0	0.0	3.9	74.0	68.0
South Africa	582	7.8	2.0	13.5	0.0	0.3	62.1	0.0	14.2	9.9	1.9	12.4	7.8	12.3
Spain	494	24.6	33.4	7.4	0.8	6.1	20.5	0.0	7.2	57.9	0.2	6.9	57.6	58.3
Sweden	527	7.3	3.8	5.9	1.5	0.4	35.9	18.0	27.2	11.1	0.2	27.0	11.7	10.6
Switzerland	609	29.5	2.9	9.5	4.7	1.0	30.0	8.3	14.3	32.4	0.0	14.3	35.3	29.5
Thailand	766	53.4	5.4	10.8	0.0	0.1	19.0	1.3	10.0	58.9	0.7	9.2	59.5	57.7
United States	899	41.8	3.7	14.8	1.1	2.3	26.1	2.7	7.7	45.5	0.3	7.3	46.5	44.4
INTERNATIONAL AVG	.	35.8	7.4	10.2	0.8	1.2	26.1	3.4	15.2	43.1	0.3	14.8	45.5	40.8

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 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

Item: J13
 Draw pictograph to represent number given in table. (Data Rep., Analysis & Prob.)
 Difficulty: 394

COUNTRY	N	NOT REACH ED										OMIT	1. GIRL % Right	2. BOY % Right	
		10	11	19	70	71	72	79	90	99	V1				
Australia	898	85.8	1.7	0.0	4.2	2.0	1.3	2.4	0.1	2.5	87.5	0.5	2.0	89.7	85.2
Austria	343	81.0	5.2	1.1	2.7	1.2	1.3	3.6	0.7	3.3	87.3	0.9	2.4	90.7	85.0
Belgium (Fl)	358	83.5	2.3	0.0	1.1	6.4	2.1	3.1	0.0	1.4	85.8	0.0	1.4	88.7	82.5
Belgium (Fr)	308	0.0	0.0	82.5	0.0	0.0	0.0	13.6	0.0	3.9	82.5	0.0	3.9	81.2	83.7
Bulgaria	161	29.8	45.6	0.0	0.0	2.7	2.4	3.0	1.5	15.1	75.3	1.2	13.9	79.3	70.6
Canada	1049	87.5	1.0	0.7	3.5	1.3	2.0	2.0	0.0	1.9	89.2	0.2	1.8	89.6	89.3
Colombia	328	46.0	15.7	2.7	1.9	6.4	3.4	9.7	0.4	13.8	64.4	6.2	7.7	58.9	70.3
Cyprus	365	80.6	1.5	0.0	0.4	3.1	0.3	7.1	0.4	6.6	82.1	0.4	6.1	85.9	78.6
Czech Republic	417	65.0	17.9	0.9	0.6	3.6	2.8	4.8	0.9	3.5	83.8	0.2	3.2	81.6	85.9
Denmark	281	88.2	0.0	0.0	2.7	1.4	1.3	2.3	0.0	4.1	88.2	0.3	3.8	86.0	91.5
England	216	89.9	1.5	1.0	1.6	2.2	2.3	1.4	0.0	0.0	92.5	0.0	0.0	91.7	93.1
France	381	83.5	3.7	0.5	1.6	2.7	1.8	3.1	0.9	2.2	87.7	0.0	2.2	87.3	88.8
Germany	341	73.3	8.3	0.0	1.7	3.0	3.2	4.0	0.2	6.3	81.6	0.6	5.6	82.7	81.3
Greece	494	75.0	1.5	0.4	1.9	2.9	3.0	4.9	0.2	10.2	76.9	0.0	10.2	75.9	77.9
Hong Kong	389	79.8	1.1	0.0	7.2	2.7	6.4	0.7	0.0	2.2	80.9	0.5	1.7	82.2	79.6
Hungary	374	74.2	11.0	1.4	1.2	2.9	1.5	4.5	0.0	3.3	86.6	0.0	3.3	89.2	83.9
Iceland	226	83.7	2.9	0.0	0.6	0.2	6.9	3.5	0.0	2.1	86.6	0.0	2.1	85.2	88.0
Iran, Islamic Rep.	473	64.3	2.2	0.4	2.4	10.2	7.7	6.8	0.5	5.5	66.9	0.3	5.2	64.5	68.6
Ireland	388	88.9	0.2	0.3	3.8	1.7	1.9	2.0	0.0	1.3	89.4	0.0	1.3	93.5	85.0
Israel	186	83.5	1.0	2.8	1.5	2.7	0.0	3.2	0.0	5.3	87.3	1.2	4.1	88.9	86.7
Japan	639	88.9	3.5	1.7	3.2	1.6	0.4	0.0	0.1	0.6	94.0	0.0	0.6	95.4	92.7
Korea	373	34.7	54.0	1.6	1.6	3.3	2.6	1.5	0.0	0.8	90.3	0.0	0.8	91.1	89.7
Kuwait	211	24.4	3.8	0.7	1.0	2.6	9.0	40.8	2.4	15.5	28.8	1.0	14.4	30.7	26.9
Latvia (LSS)	300	74.9	7.5	0.0	3.0	4.0	2.1	2.1	0.0	6.4	82.5	0.3	6.1	85.2	78.7
Lithuania	312	64.9	7.6	2.1	1.7	5.5	1.4	7.0	0.0	9.7	74.6	0.9	8.8	72.1	77.6
Netherlands	230	87.1	0.0	0.0	3.8	3.1	1.1	2.3	0.0	2.7	87.1	0.0	2.7	89.7	84.6
New Zealand	461	90.1	1.2	0.2	3.4	0.9	0.9	2.6	0.0	0.7	91.5	0.0	0.7	92.9	90.2
Norway	411	81.8	4.3	0.0	1.3	2.2	6.8	2.2	1.0	0.4	86.0	0.0	0.4	90.8	80.3
Philippines	739	51.2	1.9	2.7	2.4	12.3	5.5	13.0	1.1	9.9	55.8	0.1	9.7	59.4	50.9
Portugal	419	81.7	3.0	1.7	2.8	2.6	1.9	4.9	0.3	1.3	86.3	0.0	1.3	87.9	84.7
Romania	467	54.8	9.5	0.1	1.9	6.3	5.2	6.1	0.5	15.6	64.4	1.0	14.5	64.8	64.0
Russian Federation	518	64.9	11.5	2.0	1.4	4.6	3.0	5.1	0.3	7.1	78.4	0.6	6.5	80.0	76.8
Scotland	352	86.2	1.6	0.2	3.6	3.2	2.2	2.3	0.0	0.6	88.1	0.0	0.6	85.9	90.1
Singapore	582	92.9	0.8	0.2	4.4	0.5	0.0	0.6	0.0	0.6	93.9	0.0	0.6	93.3	94.4
Slovak Republic	436	60.2	17.8	2.3	1.1	4.9	2.7	4.4	0.4	6.3	80.2	0.0	6.3	82.6	77.7
Slovenia	344	67.6	7.2	2.4	3.2	4.0	3.9	10.0	0.3	1.4	77.2	0.0	1.4	76.4	78.1
South Africa	582	15.3	2.1	0.0	0.8	6.7	7.8	31.3	0.2	35.8	17.4	2.1	33.7	9.5	24.9
Spain	494	75.8	8.9	1.8	2.1	5.3	1.6	2.1	0.0	2.4	86.5	0.2	2.2	87.1	85.7
Sweden	527	86.1	1.2	0.2	3.1	1.7	3.7	2.1	0.2	1.8	87.5	0.2	1.5	87.8	87.1
Switzerland	609	83.6	4.2	0.3	1.7	2.6	2.1	2.6	1.1	1.8	88.1	0.0	1.8	87.4	88.8
Thailand	766	91.2	3.1	0.0	1.6	0.8	0.0	0.9	0.1	2.3	94.3	0.7	1.6	92.8	96.2
United States	899	88.6	0.6	0.3	3.4	1.9	1.2	2.1	0.1	1.7	89.5	0.3	1.4	91.1	87.9
INTERNATIONAL AVG	.	71.2	6.7	2.7	2.2	3.3	2.8	5.5	0.3	5.2	80.6	0.5	4.7	81.1	80.1

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 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

Item: J14 KEY: E
 Divide rational numbers, fractional divisor. (Fractions and number sense)
 Difficulty: 585

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	898	26.5	21.6	12.7	11.9	23.2	4.1	23.2	0.0	0.5	3.6	22.5	23.9
Austria	343	13.8	7.8	4.2	9.6	59.3	5.2	59.3	0.0	0.9	4.3	62.6	57.3
Belgium (Fl)	358	12.5	12.1	5.4	13.6	55.5	0.9	55.5	0.0	0.0	0.9	54.2	57.0
Belgium (Fr)	308	11.0	22.8	10.1	13.6	38.4	4.1	38.4	0.6	0.0	3.5	39.6	37.3
Bulgaria	161	19.7	5.1	6.8	1.0	56.8	10.7	56.8	0.0	1.2	9.5	67.3	44.3
Canada	1049	12.5	14.6	12.0	12.0	47.5	1.3	47.5	0.0	0.2	1.2	51.1	43.0
Colombia	328	31.1	18.5	8.7	11.5	13.1	17.1	13.1	2.6	6.4	8.0	8.5	18.1
Cyprus	365	15.9	10.7	9.3	12.1	48.0	4.0	48.0	0.0	0.4	3.5	51.3	45.1
Czech Republic	417	5.9	7.6	2.7	8.6	72.5	2.7	72.5	0.4	0.2	2.1	69.2	75.6
Denmark	281	18.3	18.8	7.7	14.7	24.1	16.4	24.1	0.1	0.3	16.0	21.6	27.3
England	216	30.3	19.5	19.9	9.5	18.6	2.3	18.6	0.0	0.0	2.3	16.1	20.8
France	381	8.8	6.5	5.2	6.9	70.0	2.6	70.0	0.0	0.0	2.6	68.7	71.5
Germany	346	14.9	12.8	10.7	8.6	43.9	9.1	43.9	0.0	0.6	8.5	38.9	48.5
Greece	494	17.1	9.8	9.4	16.2	38.0	9.5	38.0	0.3	0.0	9.2	41.4	34.7
Hong Kong	413	6.6	10.4	3.9	7.7	70.3	1.0	70.3	0.0	0.5	0.5	71.9	68.8
Hungary	374	7.5	9.5	3.3	8.6	68.3	2.8	68.3	0.0	0.3	2.5	70.4	66.3
Iceland	226	25.9	22.3	14.0	10.4	19.5	7.9	19.5	0.0	0.0	7.9	19.4	19.7
Iran, Islamic Rep.	473	26.7	29.6	14.4	10.1	16.7	2.5	16.7	0.0	0.3	2.2	19.8	14.3
Ireland	388	17.9	21.1	9.5	11.7	38.6	1.3	38.6	0.0	0.0	1.3	39.1	38.0
Israel	186	7.9	20.0	6.0	4.5	55.0	6.7	55.0	0.0	1.2	5.5	55.4	57.9
Japan	639	3.4	9.4	4.7	11.5	71.0	0.0	71.0	0.0	0.0	0.0	75.1	67.2
Korea	373	6.4	13.9	10.3	6.2	63.1	0.0	63.1	0.0	0.0	0.0	66.9	60.3
Kuwait	211	15.5	26.5	26.6	10.1	14.4	6.9	14.4	0.0	1.0	5.8	14.5	14.3
Latvia (LSS)	300	8.7	13.0	3.1	8.9	61.8	4.5	61.8	0.0	0.3	4.1	66.3	55.6
Lithuania	312	6.3	5.6	3.3	8.6	72.4	3.7	72.4	0.7	1.2	1.9	76.2	67.8
Netherlands	230	20.3	21.7	7.6	13.4	34.4	2.6	34.4	0.4	0.0	2.2	36.4	32.5
New Zealand	460	24.2	27.0	11.2	10.9	23.0	3.7	23.0	0.2	0.0	3.5	22.7	23.3
Norway	411	17.3	24.0	10.0	10.5	30.0	8.2	30.0	0.0	0.0	8.2	30.5	29.4
Philippines	743	19.1	25.7	8.6	12.8	33.1	0.7	33.1	0.1	0.4	0.1	34.2	32.0
Portugal	419	30.9	18.5	14.4	5.1	25.6	5.4	25.6	0.0	0.0	5.4	29.5	21.7
Romania	467	17.0	14.2	6.3	5.6	44.4	12.5	44.4	0.3	1.0	11.1	45.8	43.1
Russian Federation	518	4.8	4.6	2.5	6.0	77.7	4.3	77.7	0.0	0.6	3.7	83.0	72.4
Scotland	352	28.6	28.7	15.0	8.5	15.4	3.8	15.4	0.0	0.0	3.8	15.3	15.6
Singapore	582	5.5	14.1	3.4	8.1	68.0	0.9	68.0	0.0	0.0	0.9	71.8	65.0
Slovak Republic	435	5.6	7.2	2.3	10.9	69.2	4.8	69.2	1.0	0.0	3.8	70.9	67.4
Slovenia	344	11.2	10.1	5.3	8.6	61.1	3.8	61.1	0.0	0.0	3.8	67.4	54.6
South Africa	582	31.9	17.9	13.0	8.1	22.6	6.5	22.6	0.4	2.6	3.5	22.1	22.8
Spain	494	25.1	13.0	10.8	11.6	34.1	5.4	34.1	0.0	0.2	5.2	36.7	30.9
Sweden	526	21.3	18.6	10.1	11.7	35.1	3.3	35.1	0.0	0.2	3.0	39.1	31.4
Switzerland	609	14.6	17.2	6.7	13.8	44.5	3.2	44.5	0.3	0.0	2.9	42.2	46.7
Thailand	766	23.2	22.5	7.6	10.6	33.7	2.3	33.7	0.0	0.7	1.6	35.5	32.2
United States	899	9.6	18.7	8.7	15.6	45.8	1.6	45.8	0.1	0.3	1.1	45.7	45.9
INTERNATIONAL AVG	.	16.2	16.0	8.7	10.0	44.2	4.8	44.2	0.2	0.5	4.1	45.6	42.9

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: J15 KEY: A
 Identify similar triangles of different size. (Geometry)
 Difficulty: 493

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	898	73.5	15.1	5.9	4.5	0.0	1.0	73.5	0.0	0.5	0.5	73.3	73.7
Austria	343	65.8	22.7	3.3	4.2	0.0	4.0	65.8	0.0	0.9	3.1	66.5	64.6
Belgium (Fl)	358	64.6	17.0	9.8	5.7	2.2	0.6	64.6	0.0	0.0	0.6	64.2	65.1
Belgium (Fr)	308	30.6	39.8	14.8	3.9	4.7	6.2	30.6	0.0	0.0	6.2	27.4	33.7
Bulgaria	161	77.7	12.6	2.5	0.0	0.5	6.7	77.7	0.0	1.2	5.5	81.8	72.9
Canada	1049	72.1	14.3	7.0	5.0	0.1	1.5	72.1	0.0	0.2	1.3	75.3	68.6
Colombia	328	41.7	29.6	11.7	3.8	2.3	10.8	41.7	1.4	6.9	2.6	44.8	38.9
Cyprus	365	53.7	24.2	9.8	8.4	2.3	1.7	53.7	0.0	0.4	1.2	55.7	52.0
Czech Republic	417	77.2	13.3	3.3	5.3	0.3	0.5	77.2	0.2	0.2	0.0	75.7	78.6
Denmark	281	71.0	17.1	5.4	3.5	0.2	2.8	71.0	0.0	0.3	2.5	67.9	75.0
England	216	71.5	18.3	4.7	4.6	0.0	0.9	71.5	0.0	0.0	0.9	69.6	73.2
France	381	81.3	4.6	6.2	6.3	0.6	1.0	81.3	0.2	0.0	0.7	79.3	83.3
Germany	346	55.7	33.2	7.1	2.9	0.0	1.1	55.7	0.3	0.6	0.2	59.1	53.2
Greece	494	42.8	45.8	5.9	4.2	0.3	1.1	42.8	0.4	0.0	0.7	39.0	46.4
Hong Kong	413	83.2	7.2	3.8	3.4	1.7	0.7	83.2	0.0	0.5	0.2	80.5	85.6
Hungary	374	76.5	13.9	4.8	3.9	0.6	0.3	76.5	0.0	0.3	0.0	77.9	75.1
Iceland	226	58.8	22.9	3.1	7.7	4.1	3.4	58.8	0.0	0.0	3.4	61.6	55.8
Iran, Islamic Rep.	473	69.8	15.7	7.1	5.2	1.4	0.8	69.8	0.1	0.3	0.5	64.4	74.0
Ireland	388	61.0	26.3	4.7	7.0	0.5	0.5	61.0	0.0	0.0	0.5	60.3	61.7
Israel	186	47.5	45.0	1.6	4.2	0.0	1.7	47.5	0.0	1.2	0.5	49.2	48.9
Japan	639	92.9	4.6	1.1	1.4	0.0	0.0	92.9	0.0	0.0	0.0	94.6	91.3
Korea	373	86.2	7.9	4.4	1.0	0.5	0.0	86.2	0.0	0.0	0.0	81.5	89.6
Kuwait	211	55.8	20.6	9.8	9.9	1.2	2.7	55.8	0.0	1.0	1.7	51.9	59.7
Latvia (LSS)	300	76.6	12.1	3.3	6.0	0.0	2.1	76.6	0.0	0.3	1.7	73.7	80.6
Lithuania	312	71.8	17.8	3.5	3.2	0.6	3.1	71.8	0.3	1.2	1.6	68.1	76.2
Netherlands	230	77.9	17.1	2.4	2.6	0.0	0.0	77.9	0.0	0.0	0.0	86.2	71.1
New Zealand	460	68.2	19.4	7.7	3.5	0.3	0.9	68.2	0.0	0.2	0.7	69.9	66.6
Norway	411	63.1	18.9	8.2	6.4	1.1	2.5	63.1	0.0	0.0	2.5	69.9	54.8
Philippines	743	56.9	19.0	15.3	5.7	2.6	0.5	56.9	0.0	0.4	0.1	57.6	56.3
Portugal	419	67.9	15.4	7.8	6.1	1.1	1.7	67.9	0.0	0.0	1.7	67.4	68.5
Romania	467	68.4	16.8	5.5	3.9	0.6	4.8	68.4	1.2	1.0	2.5	67.9	68.8
Russian Federation	518	74.0	15.8	4.0	3.3	0.7	2.2	74.0	0.6	0.6	1.1	77.5	70.5
Scotland	352	69.2	16.4	5.3	8.3	0.3	0.6	69.2	0.0	0.0	0.6	70.9	67.6
Singapore	582	83.1	12.0	1.6	3.1	0.0	0.2	83.1	0.0	0.0	0.2	84.7	81.7
Slovak Republic	435	76.6	17.9	1.3	2.4	0.0	1.8	76.6	0.2	0.0	1.6	76.4	76.8
Slovenia	344	71.5	18.3	3.3	5.8	0.7	0.3	71.5	0.0	0.0	0.3	69.6	73.4
South Africa	582	25.1	23.6	29.9	8.7	4.8	7.8	25.1	2.9	2.8	2.1	25.2	25.5
Spain	494	57.8	31.1	2.5	5.9	0.8	2.0	57.8	0.0	0.2	1.7	55.6	60.4
Sweden	526	56.1	24.8	11.3	5.2	2.3	0.2	56.1	0.0	0.2	0.0	58.3	54.5
Switzerland	609	67.7	16.5	6.9	5.8	0.8	2.3	67.7	1.9	0.0	0.4	65.6	69.7
Thailand	766	90.5	4.6	1.7	2.4	0.0	0.7	90.5	0.0	0.7	0.0	91.0	90.1
United States	899	70.3	16.0	7.5	5.1	0.5	0.7	70.3	0.1	0.3	0.3	70.9	69.6
INTERNATIONAL AVG	.	66.8	19.2	6.4	4.7	1.0	2.0	66.8	0.2	0.5	1.2	66.8	66.7

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: J16 KEY: A
 Identify coordinates for point on a grid. (Geometry)
 Difficulty: 548

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	898	64.0	7.1	25.1	2.0	1.9	64.0	0.0	0.5	1.4	65.0	62.9
Austria	343	62.7	5.8	25.4	3.6	2.5	62.7	0.0	0.9	1.6	64.6	61.6
Belgium (Fl)	358	44.9	4.8	43.4	1.7	5.1	44.9	0.0	0.0	5.1	49.7	39.4
Belgium (Fr)	308	31.9	6.4	48.5	8.9	4.3	31.9	0.2	0.0	4.1	34.7	29.3
Bulgaria	161	69.7	4.7	21.1	1.5	3.1	69.7	0.0	1.2	1.8	75.2	63.1
Canada	1049	52.8	7.8	36.3	2.5	0.5	52.8	0.1	0.2	0.3	54.5	50.7
Colombia	328	18.6	21.6	36.3	7.6	15.9	18.6	2.1	6.9	6.9	17.8	19.6
Cyprus	365	21.6	15.3	52.1	7.7	3.3	21.6	0.5	0.6	2.2	24.4	19.1
Czech Republic	417	72.1	4.3	20.6	2.8	0.2	72.1	0.0	0.2	0.0	74.0	70.3
Denmark	281	66.2	8.5	17.9	3.7	3.7	66.2	0.0	0.3	3.4	63.5	70.2
England	216	78.6	6.2	11.2	3.6	0.4	78.6	0.0	0.0	0.4	79.2	78.0
France	381	55.6	2.3	38.3	1.8	1.9	55.6	0.8	0.0	1.1	62.1	50.6
Germany	346	58.7	5.9	29.5	0.6	5.3	58.7	0.2	0.6	4.5	64.7	54.0
Greece	494	49.3	10.7	31.6	5.1	3.3	49.3	0.2	0.0	3.1	51.5	47.2
Hong Kong	413	81.0	3.7	12.2	2.6	0.5	81.0	0.0	0.5	0.0	81.3	80.8
Hungary	374	71.3	4.2	22.5	0.7	1.3	71.3	0.0	0.3	1.0	76.8	65.8
Iceland	226	48.0	7.0	34.0	7.3	3.6	48.0	0.0	0.0	3.6	50.7	45.2
Iran, Islamic Rep.	473	37.7	12.7	40.3	7.9	1.3	37.7	0.2	0.6	0.5	35.9	39.8
Ireland	388	50.4	8.6	36.4	3.8	0.9	50.4	0.0	0.0	0.9	50.8	49.9
Israel	186	44.1	7.5	40.5	3.1	4.8	44.1	0.0	1.2	3.6	44.6	48.9
Japan	639	82.9	1.7	13.2	2.2	0.0	82.9	0.0	0.0	0.0	85.0	80.9
Korea	373	85.2	2.8	11.0	1.1	0.0	85.2	0.0	0.0	0.0	87.0	83.8
Kuwait	211	46.4	18.6	19.9	12.2	2.9	46.4	0.0	1.0	1.8	48.3	44.6
Latvia (LSS)	300	49.4	9.6	34.6	2.4	3.9	49.4	0.0	0.3	3.6	52.1	45.6
Lithuania	312	47.1	9.0	34.3	3.3	6.4	47.1	0.0	1.2	5.2	47.0	47.1
Netherlands	230	72.9	9.6	12.6	3.0	1.9	72.9	1.5	0.0	0.4	74.8	71.0
New Zealand	460	62.9	6.2	26.0	3.6	1.3	62.9	0.2	0.2	0.9	64.0	61.9
Norway	411	44.3	11.8	36.4	4.3	3.3	44.3	0.0	0.0	3.3	47.3	40.6
Philippines	743	23.3	16.6	46.6	12.5	1.1	23.3	0.0	0.5	0.5	23.1	23.7
Portugal	419	28.9	10.0	55.0	4.9	1.3	28.9	0.0	0.0	1.3	28.2	29.5
Romania	467	41.4	13.3	31.0	3.0	11.2	41.4	0.8	1.0	9.4	42.0	40.9
Russian Federation	518	63.4	5.3	26.9	2.4	1.9	63.4	0.0	0.6	1.3	64.7	62.1
Scotland	352	74.5	5.1	15.9	4.0	0.5	74.5	0.0	0.0	0.5	78.0	71.2
Singapore	582	91.0	3.7	4.3	0.5	0.5	91.0	0.0	0.2	0.2	90.5	91.5
Slovak Republic	435	69.1	4.8	22.3	1.5	2.3	69.1	0.7	0.0	1.6	71.9	66.2
Slovenia	344	70.1	3.7	24.0	1.1	1.0	70.1	0.3	0.0	0.8	71.0	69.3
South Africa	582	14.0	30.8	30.0	17.8	7.4	14.0	1.2	2.9	3.3	11.4	16.3
Spain	494	39.1	8.5	43.0	7.3	2.1	39.1	0.0	0.2	1.9	41.1	36.6
Sweden	526	19.9	11.0	58.2	8.2	2.8	19.9	0.5	0.2	2.0	19.1	20.7
Switzerland	609	59.2	5.7	30.5	1.5	3.2	59.2	0.9	0.0	2.2	62.2	56.4
Thailand	766	57.1	3.4	31.4	6.6	1.5	57.1	0.0	0.7	0.7	59.4	54.5
United States	899	57.9	6.4	30.7	4.1	1.0	57.9	0.0	0.3	0.7	60.6	55.1
INTERNATIONAL AVG	.	54.3	8.4	30.0	4.4	2.9	54.3	0.2	0.6	2.1	55.9	52.8

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: J17 KEY: C
 Use map and scale to find distance between two cities. (Fractions and number sense)
 Difficulty: 484

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	898	8.9	14.0	69.1	6.4	1.6	69.1	0.0	0.7	0.9	68.3	70.0
Austria	343	6.7	9.3	77.7	4.2	2.1	77.7	0.0	0.9	1.3	72.8	82.8
Belgium (Fl)	358	3.7	8.1	84.4	3.2	0.6	84.4	0.0	0.0	0.6	83.8	85.1
Belgium (Fr)	308	2.3	7.3	82.2	4.6	3.5	82.2	0.0	0.6	2.9	83.7	80.7
Bulgaria	161	6.5	8.9	75.1	2.6	6.9	75.1	0.0	1.8	5.2	77.0	72.7
Canada	1049	8.6	19.5	62.9	7.9	1.2	62.9	0.1	0.2	0.9	60.8	64.9
Colombia	328	18.8	33.8	30.7	4.9	11.9	30.7	0.9	7.8	3.3	34.2	27.3
Cyprus	365	13.0	20.4	61.4	3.5	1.7	61.4	0.4	0.6	0.7	56.6	65.7
Czech Republic	417	3.7	6.6	82.8	6.3	0.6	82.8	0.3	0.2	0.1	80.9	84.5
Denmark	281	4.3	6.3	84.9	1.9	2.7	84.9	0.3	1.0	1.4	85.0	84.4
England	216	8.7	17.5	69.1	4.2	0.5	69.1	0.0	0.0	0.5	64.8	73.0
France	381	2.7	9.4	83.9	3.3	0.7	83.9	0.0	0.0	0.7	84.7	82.6
Germany	346	5.4	16.3	71.8	4.1	2.5	71.8	0.6	0.6	1.3	68.8	74.9
Greece	494	12.5	26.9	50.2	7.9	2.6	50.2	0.0	0.6	2.0	51.3	49.1
Hong Kong	413	3.5	29.1	63.7	2.1	1.5	63.7	0.3	0.5	0.7	63.5	63.9
Hungary	374	5.3	7.1	82.5	4.8	0.3	82.5	0.0	0.3	0.0	83.6	81.3
Iceland	226	6.9	16.0	68.1	5.5	3.4	68.1	0.0	0.0	3.4	72.3	63.7
Iran, Islamic Rep.	473	14.0	40.5	31.8	9.9	3.7	31.8	0.2	0.6	3.0	23.5	39.1
Ireland	388	6.9	19.3	66.9	6.0	0.9	66.9	0.7	0.0	0.2	67.5	66.2
Israel	186	7.6	26.3	59.4	3.8	2.9	59.4	0.0	2.4	0.5	61.0	56.0
Japan	639	3.6	15.3	78.9	1.7	0.5	78.9	0.2	0.0	0.3	75.0	82.6
Korea	373	4.8	17.0	74.3	3.9	0.0	74.3	0.0	0.0	0.0	70.7	77.0
Kuwait	211	24.4	29.9	29.7	12.4	3.6	29.7	0.0	1.0	2.5	28.0	31.4
Latvia (LSS)	300	9.6	11.4	69.6	7.1	2.2	69.6	0.0	0.6	1.6	73.8	63.7
Lithuania	312	6.2	14.6	67.3	5.8	6.1	67.3	0.9	1.8	3.4	65.0	69.9
Netherlands	230	4.3	14.8	74.3	6.6	0.0	74.3	0.0	0.0	0.0	70.6	77.1
New Zealand	460	11.9	17.6	66.6	2.8	1.1	66.6	0.7	0.2	0.2	64.6	68.5
Norway	411	13.2	15.3	65.1	3.8	2.6	65.1	0.0	0.2	2.4	66.7	63.0
Philippines	743	19.9	47.0	25.3	7.1	0.7	25.3	0.0	0.5	0.1	23.4	27.7
Portugal	419	10.7	24.1	55.5	7.6	2.1	55.5	0.0	0.0	2.1	50.9	60.1
Romania	467	12.3	22.3	50.5	7.7	7.3	50.5	0.6	2.1	4.5	46.0	54.5
Russian Federation	518	7.1	10.6	77.4	2.6	2.2	77.4	0.0	0.9	1.4	74.5	80.4
Scotland	352	11.2	15.3	65.2	7.9	0.3	65.2	0.0	0.0	0.3	62.1	68.2
Singapore	582	3.7	6.5	83.5	5.8	0.5	83.5	0.0	0.2	0.2	83.8	83.3
Slovak Republic	435	4.9	11.8	76.0	6.2	1.0	76.0	0.2	0.0	0.8	76.5	75.5
Slovenia	344	10.0	8.0	75.6	5.0	1.4	75.6	0.3	0.0	1.1	72.2	79.1
South Africa	582	22.9	35.2	24.2	11.9	5.8	24.2	0.4	3.7	1.7	18.8	29.9
Spain	494	12.0	17.6	62.0	8.0	0.4	62.0	0.0	0.2	0.2	58.6	66.0
Sweden	527	6.9	8.3	77.5	6.9	0.5	77.5	0.3	0.2	0.0	75.8	79.3
Switzerland	609	5.6	6.2	80.9	4.8	2.5	80.9	0.2	0.0	2.3	83.5	78.5
Thailand	766	6.7	19.9	66.5	4.8	2.1	66.5	0.1	0.7	1.2	66.0	68.0
United States	899	12.5	22.7	60.8	2.9	1.1	60.8	0.1	0.3	0.7	54.6	67.1
INTERNATIONAL AVG	.	8.9	17.5	65.8	5.5	2.3	65.8	0.2	0.8	1.3	64.4	67.1

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: J18 KEY: B
 Identify missing number in table showing xy relationship. (Algebra)
 Difficulty: 594

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	898	5.7	53.9	22.6	11.3	4.6	2.0	53.9	0.0	0.7	1.2	54.4	53.3
Austria	343	13.8	44.7	18.7	14.3	4.5	4.0	44.7	0.0	0.9	3.1	45.4	44.0
Belgium (Fl)	358	8.8	41.9	29.4	15.1	2.0	2.8	41.9	0.0	0.0	2.8	41.6	42.2
Belgium (Fr)	308	8.6	38.8	22.4	16.0	7.4	6.8	38.8	0.0	0.9	5.9	35.9	41.6
Bulgaria	161	6.9	56.8	9.9	14.1	3.3	8.9	56.8	0.8	2.2	5.8	63.6	48.7
Canada	1049	7.7	44.1	24.8	16.7	5.3	1.4	44.1	0.1	0.3	1.0	42.2	46.9
Colombia	328	11.6	35.8	9.4	17.0	9.3	16.9	35.8	2.7	7.8	6.5	37.9	33.6
Cyprus	365	9.6	29.8	23.3	23.3	9.4	4.7	29.8	1.0	0.6	3.1	30.1	29.5
Czech Republic	417	8.2	48.9	19.4	14.8	3.2	5.4	48.9	2.2	0.2	3.0	45.2	52.4
Denmark	281	10.4	39.5	20.1	12.6	4.8	12.7	39.5	1.9	1.4	9.4	30.2	48.6
England	216	9.0	51.1	27.8	7.1	3.7	1.4	51.1	0.0	0.0	1.4	48.5	53.3
France	381	9.7	38.2	26.9	14.6	4.8	5.7	38.2	0.0	0.0	5.7	39.2	37.5
Germany	346	9.7	34.8	27.1	14.6	3.2	10.6	34.8	0.6	0.6	9.4	29.8	39.4
Greece	494	9.9	35.2	25.4	16.8	7.1	5.7	35.2	0.6	1.0	4.1	31.7	38.6
Hong Kong	413	9.4	53.2	23.2	10.1	2.8	1.2	53.2	0.0	0.5	0.7	50.2	55.9
Hungary	374	12.3	49.2	21.7	11.1	3.7	2.0	49.2	0.0	0.3	1.7	49.2	49.2
Iceland	226	12.0	44.5	19.3	11.8	11.2	1.2	44.5	0.0	0.0	1.2	44.5	44.5
Iran, Islamic Rep.	473	20.4	25.2	17.9	23.5	10.5	2.3	25.2	0.0	0.7	1.6	18.0	31.6
Ireland	388	12.9	40.8	23.8	13.2	5.5	3.8	40.8	1.7	0.0	2.2	33.8	48.2
Israel	186	15.8	41.2	19.5	13.1	4.5	5.9	41.2	0.0	2.4	3.4	34.5	48.1
Japan	639	5.5	56.0	25.9	9.4	2.9	0.3	56.0	0.1	0.0	0.1	52.5	59.2
Korea	373	8.3	60.1	18.5	10.3	2.9	0.0	60.1	0.0	0.0	0.0	57.9	61.7
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	300	16.0	29.5	22.0	20.2	6.0	6.3	29.5	0.0	1.5	4.8	27.0	33.0
Lithuania	312	11.9	29.0	20.3	17.5	6.5	14.8	29.0	0.3	2.0	12.4	24.5	34.4
Netherlands	230	7.6	54.9	19.5	14.8	2.7	0.5	54.9	0.0	0.0	0.5	53.6	55.4
New Zealand	460	6.7	44.8	27.0	13.5	6.5	1.5	44.8	0.0	0.2	1.3	42.4	47.0
Norway	411	11.1	34.3	26.6	13.9	7.1	7.0	34.3	0.0	0.2	6.8	33.5	35.4
Philippines	743	24.5	24.4	19.0	17.4	13.7	1.1	24.4	0.0	0.5	0.5	22.7	26.8
Portugal	419	11.9	32.9	24.0	22.0	5.1	4.1	32.9	0.0	0.2	3.9	32.9	32.9
Romania	466	10.9	33.6	13.5	15.4	7.6	19.0	33.6	6.3	2.5	10.1	33.8	33.5
Russian Federation	517	11.3	30.6	27.3	14.6	5.9	10.2	30.6	1.1	1.3	7.9	26.9	34.4
Scotland	352	8.8	46.1	25.9	12.7	4.3	2.2	46.1	0.2	0.0	2.0	43.4	48.6
Singapore	582	10.0	50.1	24.2	12.4	2.9	0.4	50.1	0.0	0.2	0.2	49.2	50.9
Slovak Republic	433	10.0	42.7	17.9	20.1	4.1	5.2	42.7	1.6	0.0	3.6	41.2	44.3
Slovenia	344	8.7	44.3	20.5	16.3	5.5	4.8	44.3	0.0	0.0	4.8	40.6	48.0
South Africa	582	25.0	21.9	21.4	14.0	9.6	8.2	21.9	1.3	4.0	2.8	18.7	24.2
Spain	494	12.8	40.4	21.9	16.6	4.7	3.6	40.4	0.0	0.4	3.2	36.0	45.7
Sweden	527	10.0	41.8	24.5	14.5	7.6	1.7	41.8	0.3	0.2	1.1	41.2	42.3
Switzerland	609	9.7	45.3	22.3	12.5	5.4	4.8	45.3	1.6	0.0	3.2	45.8	44.7
Thailand	766	11.2	37.1	22.8	19.4	6.7	2.8	37.1	0.3	0.7	1.8	36.2	39.1
United States	899	12.4	38.6	27.8	14.4	5.4	1.5	38.6	0.1	0.3	1.1	39.6	37.5
INTERNATIONAL AVG	.	11.1	41.1	22.1	14.9	5.7	5.0	41.1	0.6	0.9	3.5	39.2	43.1

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: K01 KEY: D
 Identify circle with same fraction shaded as rectangular figure. (Fractions and number sense)
 Difficulty: 464

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	925	9.3	3.4	5.2	74.0	7.0	1.2	74.0	0.0	0.2	1.1	73.7	74.2
Austria	333	10.4	2.0	3.8	77.5	4.9	1.3	77.5	0.0	0.4	0.9	79.8	74.9
Belgium (Fl)	362	5.4	1.7	4.3	80.8	7.2	0.6	80.8	0.0	0.0	0.6	79.5	82.1
Belgium (Fr)	317	8.1	1.0	4.3	77.2	7.3	2.2	77.2	1.0	0.0	1.2	76.1	79.2
Bulgaria	315	4.0	7.0	4.7	74.9	4.6	4.8	74.9	1.6	0.4	2.8	75.4	75.0
Canada	1056	8.4	2.1	5.5	73.0	10.4	0.6	73.0	0.0	0.0	0.6	68.8	77.5
Colombia	338	10.5	8.0	15.2	45.1	17.9	3.4	45.1	0.7	0.4	2.3	47.5	42.8
Cyprus	371	9.0	5.2	9.9	63.8	10.5	1.7	63.8	0.2	0.0	1.5	60.4	67.6
Czech Republic	421	5.2	1.3	5.3	84.1	3.6	0.6	84.1	0.0	0.0	0.6	79.3	89.0
Denmark	292	7.0	4.0	4.1	71.2	10.0	3.7	71.2	0.0	0.0	3.7	66.2	76.3
England	218	6.3	2.7	5.1	78.5	7.4	0.0	78.5	0.0	0.0	0.0	74.8	81.9
France	382	6.9	3.3	5.0	74.1	9.6	1.1	74.1	0.0	0.0	1.1	65.5	81.1
Germany	355	8.9	3.0	5.9	72.9	6.2	3.1	72.9	0.5	0.0	2.6	69.6	76.7
Greece	491	12.3	2.8	7.4	66.6	9.1	1.8	66.6	0.6	0.0	1.3	61.9	71.3
Hong Kong	417	8.3	3.4	6.1	72.4	6.6	3.2	72.4	0.0	0.3	2.9	69.9	74.6
Hungary	352	9.3	3.9	6.8	72.6	4.3	3.2	72.6	0.3	0.5	2.4	68.8	75.8
Iceland	226	10.9	4.9	5.9	70.0	7.4	1.0	70.0	0.0	0.0	1.0	67.7	72.2
Iran, Islamic Rep.	461	8.7	9.2	17.5	46.4	17.4	0.8	46.4	0.0	0.3	0.5	44.6	48.6
Ireland	385	9.9	2.7	4.6	73.1	8.8	1.0	73.1	0.5	0.0	0.5	68.3	77.9
Israel	189	15.2	1.8	4.7	65.2	9.8	3.3	65.2	0.0	2.2	1.1	62.7	67.1
Japan	637	5.8	1.8	4.0	81.4	5.9	1.1	81.4	0.3	0.0	0.8	80.7	82.2
Korea	369	3.5	2.8	5.4	84.3	3.9	0.0	84.3	0.0	0.0	0.0	81.5	86.6
Kuwait	204	14.5	10.6	13.3	42.6	9.2	9.8	42.6	2.0	0.0	7.8	36.6	48.4
Latvia (LSS)	299	10.4	4.6	7.7	71.4	4.2	1.8	71.4	0.0	0.2	1.6	73.0	69.5
Lithuania	328	8.1	7.2	8.2	67.2	3.6	5.7	67.2	0.9	0.0	4.8	64.5	70.3
Netherlands	250	11.2	1.6	1.9	78.4	6.5	0.4	78.4	0.0	0.0	0.4	70.7	85.4
New Zealand	457	8.0	1.7	4.5	77.5	7.6	0.8	77.5	0.6	0.0	0.2	73.8	80.8
Norway	408	8.3	2.7	4.2	75.0	8.8	1.1	75.0	0.0	0.0	1.1	73.0	77.2
Philippines	746	14.2	14.1	15.3	41.3	14.7	0.4	41.3	0.0	0.0	0.4	42.1	40.4
Portugal	431	8.7	2.2	10.6	68.0	7.6	2.9	68.0	0.0	0.0	2.9	68.8	67.4
Romania	459	8.6	3.4	12.1	63.8	6.5	5.6	63.8	1.3	0.0	4.2	62.0	65.8
Russian Federation	502	9.6	2.4	5.9	75.8	4.9	1.4	75.8	0.0	0.0	1.4	73.7	78.5
Scotland	350	10.7	4.0	5.1	67.6	12.0	0.6	67.6	0.0	0.0	0.6	60.4	73.8
Singapore	590	7.1	1.8	3.4	80.1	6.7	1.0	80.1	0.0	0.0	1.0	80.4	80.1
Slovak Republic	433	6.7	1.9	7.6	75.2	8.3	0.4	75.2	0.0	0.2	0.2	69.1	80.6
Slovenia	341	8.8	4.2	5.0	76.6	4.6	0.8	76.6	0.0	0.0	0.8	77.5	75.6
South Africa	559	7.2	16.1	20.5	29.0	18.2	8.9	29.0	0.1	1.1	7.7	26.3	30.9
Spain	495	12.4	2.6	7.9	68.2	8.1	0.8	68.2	0.0	0.0	0.8	67.1	69.5
Sweden	507	10.8	2.3	3.9	77.3	5.5	0.1	77.3	0.0	0.0	0.1	75.0	79.0
Switzerland	600	7.1	2.9	3.4	77.0	9.1	0.4	77.0	0.0	0.0	0.4	74.9	79.2
Thailand	753	5.3	4.0	10.9	73.8	5.8	0.1	73.8	0.0	0.0	0.1	70.5	78.7
United States	878	10.1	4.3	11.7	61.8	11.0	1.1	61.8	0.2	0.2	0.8	62.2	61.4
INTERNATIONAL AVG	.	8.8	4.1	7.2	69.7	8.2	2.0	69.7	0.2	0.2	1.6	67.2	72.1

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: K02
 Find total volume of mixture using rational number addition. (Fractions and number sense)
 Difficulty: 487

COUNTRY	N	10	19	70	71	72	79	90	99	V1	NOT	1.GIRL	2.BOY	
											REACH			% Right	% Right
											ED	OMIT		
Australia	925	64.0	0.3	4.0	7.2	4.5	11.8	1.5	6.7	64.3	0.2	6.6	69.9	58.0
Austria	333	79.3	0.0	4.2	2.6	0.7	7.4	2.4	3.4	79.3	0.4	2.9	79.0	79.1
Belgium (Fl)	362	79.7	0.2	5.6	4.0	0.0	7.0	0.0	3.4	79.9	0.0	3.4	83.1	76.7
Belgium (Fr)	317	0.0	74.2	0.0	0.0	0.0	23.2	0.0	2.6	74.2	0.0	2.6	78.6	68.5
Bulgaria	315	68.3	0.0	1.8	3.8	0.3	4.7	0.7	20.5	68.3	0.4	20.1	72.4	65.1
Canada	1056	74.8	0.2	1.5	4.5	2.1	11.8	0.8	4.4	75.0	0.0	4.4	78.2	71.6
Colombia	338	23.9	0.0	2.5	6.0	27.3	20.2	0.6	19.3	23.9	0.4	18.9	22.7	25.7
Cyprus	371	50.2	0.3	5.9	3.0	0.9	15.2	0.2	24.2	50.5	0.0	24.2	54.5	46.0
Czech Republic	421	72.6	0.0	2.3	2.7	0.0	11.3	0.0	11.0	72.6	0.0	11.0	71.7	73.5
Denmark	292	55.6	0.0	8.2	3.2	0.7	13.4	0.0	19.0	55.6	0.0	19.0	59.0	52.6
England	218	51.1	0.0	9.6	3.5	6.6	22.4	2.5	4.4	51.1	0.0	4.4	52.4	49.8
France	382	78.7	0.3	0.4	3.5	0.0	9.0	0.5	7.6	79.0	0.0	7.6	79.9	78.6
Germany	352	68.5	0.3	3.9	6.9	0.5	9.8	0.8	9.3	68.8	0.0	9.3	73.6	64.7
Greece	491	62.3	0.8	1.1	4.0	1.8	11.5	1.4	17.1	63.1	0.0	17.1	63.6	62.8
Hong Kong	415	75.1	0.0	0.5	2.7	0.0	14.0	3.5	4.3	75.1	0.3	4.0	76.5	73.8
Hungary	352	78.4	0.3	2.2	7.8	0.3	7.3	0.0	3.8	78.6	0.5	3.2	78.1	79.1
Iceland	226	66.3	0.0	5.3	2.6	2.7	11.3	5.8	6.0	66.3	0.0	6.0	79.0	53.7
Iran, Islamic Rep.	461	54.8	0.0	6.1	4.5	2.0	17.1	0.3	15.2	54.8	0.3	14.9	60.5	50.5
Ireland	385	69.9	1.0	2.1	6.0	4.0	14.0	0.8	2.2	70.9	0.0	2.2	74.6	67.1
Israel	189	66.6	0.0	4.8	4.5	1.2	8.0	1.3	13.7	66.6	2.2	11.5	74.5	60.9
Japan	637	86.9	0.1	0.4	4.1	1.4	4.6	0.2	2.1	87.1	0.0	2.1	86.3	87.9
Korea	369	82.1	0.8	1.2	1.8	3.0	9.1	0.0	2.0	82.9	0.0	2.0	81.4	84.1
Kuwait	204	14.4	1.4	13.7	3.4	2.5	38.6	0.6	25.4	15.8	0.0	25.4	25.2	6.6
Latvia (LSS)	299	52.3	0.3	8.1	6.4	0.7	13.6	2.7	15.9	52.6	0.2	15.7	52.8	52.4
Lithuania	328	61.3	0.0	3.3	3.7	0.2	9.5	1.0	21.0	61.3	0.0	21.0	61.2	61.4
Netherlands	250	55.4	0.0	12.3	8.1	2.0	14.0	6.5	1.6	55.4	0.0	1.6	62.7	47.7
New Zealand	457	64.7	0.0	4.6	6.3	5.4	14.0	0.2	4.9	64.7	0.0	4.9	67.1	62.5
Norway	408	59.8	0.0	7.0	6.3	0.7	14.2	3.0	9.1	59.8	0.0	9.1	58.3	61.5
Philippines	746	50.0	0.0	3.2	3.8	3.4	27.1	0.3	12.3	50.0	0.0	12.3	53.3	45.9
Portugal	431	71.3	0.4	1.7	3.9	2.2	10.3	0.9	9.4	71.7	0.0	9.4	76.2	67.8
Romania	459	60.9	0.2	4.2	3.4	0.8	9.9	0.0	20.6	61.2	0.0	20.6	62.2	60.3
Russian Federation	502	72.4	0.1	2.7	5.6	0.2	9.6	0.0	9.4	72.4	0.0	9.4	71.0	74.2
Scotland	350	53.0	0.0	10.7	3.3	9.1	17.9	0.6	5.4	53.0	0.0	5.4	55.0	51.3
Singapore	590	92.2	0.0	0.1	3.3	0.1	3.1	0.0	1.2	92.2	0.0	1.2	92.7	91.7
Slovak Republic	433	73.9	0.3	3.7	5.1	0.4	8.7	0.2	7.7	74.2	0.2	7.5	75.8	72.6
Slovenia	341	73.1	0.6	2.5	3.6	1.5	6.8	1.4	10.4	73.7	0.0	10.4	74.9	72.4
South Africa	560	27.7	1.3	3.3	2.7	4.9	45.4	0.3	14.3	29.1	1.1	13.2	28.2	30.6
Spain	495	71.5	0.0	1.6	6.1	0.7	9.0	0.1	11.0	71.5	0.0	11.0	71.9	71.0
Sweden	506	64.3	0.0	4.0	6.0	1.5	14.8	3.5	5.8	64.3	0.0	5.8	65.9	63.8
Switzerland	600	73.1	0.2	6.4	3.7	0.5	10.7	1.1	4.4	73.2	0.0	4.4	75.2	71.1
Thailand	753	77.7	0.0	2.3	3.1	1.6	10.0	0.3	4.9	77.7	0.0	4.9	79.6	75.0
United States	878	70.8	0.0	1.0	6.5	1.6	14.6	0.7	4.8	70.8	0.2	4.7	72.2	69.3
INTERNATIONAL AVG	.	63.1	2.0	4.1	4.4	2.4	13.5	1.1	9.6	65.1	0.2	9.4	67.4	62.8

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 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

Item: K03 KEY: A
 Identify figure from rotation of 3-dimensional object. (Geometry)
 Difficulty: 478

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	925	73.1	10.6	12.9	1.7	1.7	73.1	0.0	0.2	1.5	69.6	76.9
Austria	333	79.5	5.0	7.3	2.6	5.6	79.5	1.4	0.4	3.8	78.7	80.1
Belgium (Fl)	362	83.0	3.2	11.9	1.0	1.0	83.0	0.0	0.0	1.0	78.7	87.3
Belgium (Fr)	317	74.4	6.1	11.3	2.0	6.1	74.4	0.9	0.0	5.2	70.9	79.2
Bulgaria	315	58.2	11.4	21.3	3.3	5.9	58.2	2.2	0.4	3.3	58.0	58.5
Canada	1056	74.7	6.8	13.7	1.6	3.2	74.7	2.8	0.0	0.5	74.2	75.8
Colombia	338	41.0	23.3	27.0	6.5	2.1	41.0	0.3	0.4	1.5	38.7	43.5
Cyprus	371	43.5	19.1	28.1	3.2	6.1	43.5	0.0	0.0	6.1	43.1	43.9
Czech Republic	421	87.0	4.7	6.0	0.7	1.6	87.0	1.0	0.0	0.6	85.2	88.9
Denmark	292	72.9	8.0	12.0	2.1	5.0	72.9	1.1	0.0	3.9	73.2	73.2
England	218	76.9	6.1	9.9	2.1	5.1	76.9	0.0	0.0	5.1	70.4	82.8
France	382	77.3	5.4	15.2	1.4	0.7	77.3	0.4	0.0	0.3	73.0	81.6
Germany	355	72.1	6.1	13.0	2.0	6.7	72.1	4.6	0.0	2.1	74.9	69.2
Greece	491	63.9	16.8	17.4	0.6	1.3	63.9	0.6	0.0	0.8	59.9	67.8
Hong Kong	417	75.2	8.3	8.5	5.6	2.3	75.2	0.0	0.3	2.0	71.6	78.4
Hungary	352	71.5	8.0	10.4	5.4	4.7	71.5	0.2	0.5	4.0	65.7	76.5
Iceland	226	81.2	8.0	7.9	1.0	1.9	81.2	1.3	0.0	0.7	84.3	78.1
Iran, Islamic Rep.	463	41.6	29.3	23.4	3.5	2.3	41.6	0.0	0.3	2.0	36.5	45.2
Ireland	385	74.6	9.5	11.0	2.2	2.8	74.6	2.2	0.0	0.7	71.6	77.6
Israel	189	56.9	9.0	22.7	3.6	7.8	56.9	0.0	2.2	5.6	51.7	64.4
Japan	637	80.4	7.9	10.7	0.6	0.4	80.4	0.0	0.0	0.4	75.4	85.2
Korea	369	73.8	9.7	14.2	2.3	0.0	73.8	0.0	0.0	0.0	66.3	79.9
Kuwait	204	29.3	27.4	36.7	3.2	3.5	29.3	0.0	0.0	3.5	25.6	32.9
Latvia (LSS)	299	81.3	7.5	9.0	0.8	1.3	81.3	0.0	0.2	1.1	80.2	82.7
Lithuania	328	68.6	12.8	13.8	2.7	2.1	68.6	0.8	0.0	1.4	64.5	73.3
Netherlands	250	76.6	3.9	15.5	2.4	1.5	76.6	1.5	0.0	0.0	75.2	78.1
New Zealand	457	67.2	10.2	19.5	2.1	1.0	67.2	0.8	0.0	0.2	63.8	70.2
Norway	408	77.9	7.0	9.3	0.5	5.2	77.9	0.0	0.0	5.2	75.2	81.0
Philippines	746	39.1	26.3	28.6	3.8	2.3	39.1	0.1	0.0	2.1	39.7	38.5
Portugal	431	58.4	12.6	23.9	3.1	1.9	58.4	0.0	0.0	1.9	52.3	63.6
Romania	454	52.6	17.9	12.0	1.5	16.0	52.6	10.1	0.0	5.9	48.9	57.0
Russian Federation	502	75.5	9.8	7.3	4.7	2.7	75.5	1.8	0.0	0.8	75.1	76.0
Scotland	350	71.9	7.2	14.5	1.4	5.0	71.9	4.6	0.0	0.4	70.5	73.1
Singapore	590	78.7	6.8	12.2	1.8	0.5	78.7	0.0	0.0	0.5	77.9	79.4
Slovak Republic	433	81.4	8.2	5.8	1.8	2.8	81.4	1.0	0.2	1.6	73.8	88.2
Slovenia	340	72.9	10.9	14.1	0.3	1.8	72.9	1.1	0.0	0.7	71.6	74.3
South Africa	559	36.4	24.8	14.4	7.0	17.4	36.4	0.2	1.3	15.9	32.2	40.9
Spain	495	70.8	12.2	13.8	0.4	2.7	70.8	0.0	0.0	2.7	68.7	73.2
Sweden	506	52.8	15.6	12.0	15.0	4.7	52.8	0.1	0.0	4.5	51.0	54.9
Switzerland	600	82.0	5.4	9.0	1.1	2.6	82.0	1.0	0.0	1.6	80.1	84.1
Thailand	753	50.1	13.7	30.5	4.8	0.9	50.1	0.0	0.0	0.9	49.3	51.5
United States	878	62.1	10.9	23.2	1.7	2.1	62.1	0.0	0.2	1.9	61.4	63.0
INTERNATIONAL AVG	.	67.1	11.3	15.3	2.7	3.6	67.1	1.0	0.2	2.5	64.5	69.8

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: K04 KEY: C
 Identify expression equivalent to linear inequality. (Algebra)
 Difficulty: 606

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	925	32.4	5.4	42.9	3.0	11.1	5.2	42.9	0.0	0.2	5.0	44.7	40.8
Austria	333	28.4	5.7	51.9	1.6	9.8	2.6	51.9	0.0	0.6	2.1	51.6	51.0
Belgium (Fl)	362	24.0	5.0	57.3	5.9	5.4	2.3	57.3	0.0	0.0	2.3	62.2	52.4
Belgium (Fr)	317	26.6	8.5	35.4	3.4	9.2	16.9	35.4	0.0	0.0	16.9	36.3	34.4
Bulgaria	315	29.6	4.9	51.5	1.7	5.4	7.0	51.5	1.2	0.4	5.4	52.3	50.4
Canada	1056	30.4	12.1	41.2	4.7	10.4	1.2	41.2	0.1	0.0	1.1	43.7	38.7
Colombia	338	47.0	7.7	32.9	3.4	6.5	2.5	32.9	0.0	0.4	2.1	34.2	30.9
Cyprus	371	28.4	8.7	46.5	4.1	7.5	4.8	46.5	0.2	0.3	4.2	47.9	45.0
Czech Republic	421	31.1	4.5	55.4	2.0	3.4	3.5	55.4	0.1	0.0	3.4	55.8	55.0
Denmark	292	34.7	7.7	31.5	3.0	5.7	17.4	31.5	0.4	0.0	17.0	37.7	24.1
England	218	43.7	3.0	32.9	4.9	12.8	2.8	32.9	0.0	0.0	2.8	34.4	31.5
France	382	31.5	8.2	42.1	2.2	9.3	6.7	42.1	1.6	0.0	5.1	45.6	38.7
Germany	355	24.2	10.9	41.3	5.5	4.6	13.5	41.3	1.4	0.0	12.1	41.8	41.2
Greece	491	38.2	6.6	41.4	4.3	5.6	4.0	41.4	0.0	0.0	4.0	41.5	41.0
Hong Kong	417	18.1	5.0	60.5	4.7	11.0	0.7	60.5	0.0	0.3	0.5	59.3	61.6
Hungary	352	23.7	7.2	53.0	4.1	3.8	8.2	53.0	0.0	0.5	7.7	60.1	46.9
Iceland	226	31.6	16.2	30.5	10.7	7.2	3.7	30.5	0.0	0.0	3.7	34.3	26.7
Iran, Islamic Rep.	463	35.1	6.0	39.8	2.5	13.4	3.2	39.8	0.0	0.3	2.9	42.2	38.2
Ireland	385	30.1	9.8	45.1	3.0	9.6	2.3	45.1	0.2	0.0	2.0	46.5	43.7
Israel	189	19.8	7.5	52.3	2.6	8.0	9.7	52.3	0.0	2.2	7.5	47.8	56.5
Japan	637	13.2	5.3	68.7	4.5	7.9	0.3	68.7	0.0	0.0	0.3	65.1	72.4
Korea	369	24.3	2.3	67.3	2.3	3.8	0.0	67.3	0.0	0.0	0.0	66.8	67.7
Kuwait	204	41.8	12.5	28.3	3.8	8.7	4.9	28.3	0.0	0.0	4.9	31.9	24.8
Latvia (LSS)	298	42.6	2.4	38.2	3.4	6.9	6.5	38.2	0.0	0.2	6.3	32.6	44.7
Lithuania	328	32.2	8.7	24.8	2.2	5.8	26.3	24.8	0.0	0.0	26.3	24.7	25.0
Netherlands	250	25.1	8.6	48.9	4.6	11.3	1.5	48.9	0.0	0.0	1.5	51.8	46.0
New Zealand	457	39.5	10.3	35.1	5.6	8.2	1.2	35.1	0.6	0.0	0.7	34.6	35.6
Norway	408	27.1	12.7	38.8	5.3	9.4	6.8	38.8	0.0	0.0	6.8	37.4	40.3
Philippines	746	37.0	10.2	39.4	5.8	7.4	0.3	39.4	0.0	0.0	0.3	40.7	37.9
Portugal	431	46.9	7.0	30.0	6.1	6.7	3.4	30.0	0.0	0.0	3.4	35.9	24.9
Romania	458	28.1	4.6	52.7	1.8	5.7	7.1	52.7	0.3	0.0	6.7	56.4	48.9
Russian Federation	502	35.8	4.7	48.0	0.8	6.2	4.4	48.0	0.3	0.0	4.1	48.5	47.4
Scotland	350	46.1	5.2	30.9	5.7	9.9	2.3	30.9	0.0	0.0	2.3	31.5	30.3
Singapore	590	11.7	2.0	69.3	3.8	11.6	1.4	69.3	0.0	0.0	1.4	71.0	67.7
Slovak Republic	433	28.7	5.0	53.4	2.2	5.8	4.9	53.4	1.1	0.2	3.7	51.8	54.8
Slovenia	341	26.0	6.6	49.6	3.6	6.3	7.9	49.6	1.0	0.0	6.8	52.2	46.7
South Africa	559	49.2	9.6	22.4	3.5	11.0	4.3	22.4	0.3	1.3	2.7	23.3	21.1
Spain	495	38.6	4.2	44.2	3.2	6.3	3.5	44.2	0.0	0.0	3.5	43.3	45.2
Sweden	506	29.7	8.3	39.1	6.9	10.6	5.4	39.1	0.4	0.0	5.1	36.3	40.7
Switzerland	600	37.5	7.6	39.0	2.5	5.7	7.5	39.0	1.3	0.0	6.3	39.6	38.4
Thailand	.	.	.	.	.	.	.	.	.	.	.	.	.
United States	878	24.2	8.8	51.6	4.5	9.0	2.0	51.6	0.0	0.2	1.8	50.6	52.7
INTERNATIONAL AVG	.	31.6	7.3	44.0	3.9	7.9	5.4	44.0	0.3	0.2	4.9	45.0	43.0

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: K05
 Calculate area of a rectangle given its length and perimeter. (Measurement)
 Difficulty: 613

COUNTRY	N	10	70	71	72	73	74	79	90	99	V1	NOT	1. GIRL	2. BOY	
												REACH			% Right
												ED			
Australia	925	42.3	4.1	5.6	0.8	3.0	13.2	18.7	1.6	10.7	42.3	0.2	10.5	42.3	42.3
Austria	333	59.2	1.1	3.9	2.4	2.6	8.7	16.3	2.1	3.7	59.2	0.6	3.2	58.6	59.7
Belgium (Fl)	362	55.4	0.2	4.4	2.9	0.9	13.2	15.3	0.0	7.8	55.4	0.0	7.8	53.7	57.1
Belgium (Fr)	317	46.0	0.0	0.0	0.0	0.0	0.0	37.4	0.0	16.6	46.0	0.0	16.6	42.2	50.8
Bulgaria	315	46.0	2.5	1.6	0.9	0.6	2.7	17.3	1.8	26.6	46.0	0.9	25.6	46.5	46.4
Canada	1056	41.1	4.9	3.7	0.4	3.5	13.0	25.1	0.5	7.8	41.1	0.0	7.8	38.9	43.9
Colombia	338	4.7	14.1	0.6	1.4	2.0	16.8	27.4	0.3	32.6	4.7	0.4	32.2	3.0	6.8
Cyprus	371	42.7	1.5	5.8	0.6	2.9	10.4	11.5	0.0	24.5	42.7	0.3	24.2	41.4	44.2
Czech Republic	421	53.1	0.9	6.0	1.4	1.0	5.3	16.8	2.7	12.8	53.1	0.0	12.8	50.6	55.7
Denmark	292	36.9	2.3	2.5	1.0	3.1	15.0	17.6	0.0	21.4	36.9	0.0	21.4	38.5	35.6
England	218	34.4	8.4	3.9	2.9	2.8	10.1	32.1	1.5	3.8	34.4	0.0	3.8	27.0	41.1
France	382	35.9	0.7	7.8	1.9	2.7	13.8	23.2	0.2	13.8	35.9	0.0	13.8	34.3	37.8
Germany	353	29.2	3.2	2.8	1.7	3.8	18.2	14.6	0.9	25.5	29.2	0.0	25.5	31.0	26.9
Greece	491	26.3	6.4	2.2	0.4	4.9	13.9	18.3	1.2	26.4	26.3	0.0	26.4	21.6	31.3
Hong Kong	415	62.8	1.0	5.3	0.2	3.0	7.4	14.1	0.8	5.5	62.8	0.3	5.2	57.5	67.5
Hungary	352	47.0	1.8	3.7	0.7	2.2	6.8	17.8	1.1	18.9	47.0	0.5	18.3	49.4	45.0
Iceland	226	31.9	4.7	4.3	0.6	1.0	16.7	30.8	1.2	8.7	31.9	0.0	8.7	39.9	24.0
Iran, Islamic Rep.	463	13.4	1.8	8.5	6.0	4.5	19.2	34.2	0.3	12.0	13.4	0.3	11.7	11.5	15.1
Ireland	385	40.4	4.2	6.3	1.7	3.0	22.3	15.9	1.0	5.2	40.4	0.0	5.2	36.3	44.7
Israel	189	43.6	3.9	3.8	1.0	2.6	9.8	19.0	0.0	16.3	43.6	2.2	14.2	45.5	41.9
Japan	637	65.5	0.6	3.8	1.0	2.8	13.6	10.2	0.1	2.4	65.5	0.0	2.4	63.0	67.9
Korea	369	65.8	1.0	1.9	2.3	2.6	9.7	14.5	0.0	2.2	65.8	0.0	2.2	61.3	69.4
Kuwait	204	8.2	14.0	1.5	0.0	0.9	23.1	34.8	0.0	17.6	8.2	0.0	17.6	6.4	10.0
Latvia (LSS)	299	29.9	3.8	2.7	1.3	0.8	9.2	29.2	1.7	21.3	29.9	0.2	21.1	26.3	34.0
Lithuania	328	34.6	1.5	5.9	0.8	2.2	9.4	21.2	1.1	23.2	34.6	0.0	23.2	31.8	37.8
Netherlands	250	47.6	2.0	6.0	2.5	2.0	16.8	19.8	1.8	1.4	47.6	0.0	1.4	47.0	47.6
New Zealand	457	34.0	7.1	5.9	0.4	1.0	15.5	28.2	0.2	7.7	34.0	0.0	7.7	32.8	35.0
Norway	408	43.6	3.3	4.8	0.4	1.0	11.6	20.3	3.5	11.4	43.6	0.0	11.4	44.9	42.2
Philippines	746	6.0	22.7	2.3	1.9	1.3	28.8	24.5	5.2	7.2	6.0	0.0	7.2	5.5	6.7
Portugal	431	19.9	6.8	3.0	2.0	1.6	10.8	31.5	1.7	22.8	19.9	0.0	22.8	18.8	20.8
Romania	459	48.8	6.3	3.6	0.7	0.8	3.1	16.3	0.2	20.3	48.8	0.0	20.3	51.0	47.0
Russian Federation	502	47.8	3.2	3.4	1.1	2.0	7.1	19.4	0.7	15.3	47.8	0.0	15.3	47.5	48.3
Scotland	350	32.7	9.9	4.7	0.2	1.3	19.3	22.3	2.1	7.4	32.7	0.0	7.4	29.8	35.1
Singapore	590	85.5	0.2	3.5	0.2	1.6	3.5	4.5	0.0	1.0	85.5	0.0	1.0	85.1	85.8
Slovak Republic	433	52.2	1.4	2.3	0.4	1.6	8.3	17.6	1.6	14.6	52.2	0.2	14.4	52.9	51.6
Slovenia	341	48.2	1.9	5.4	0.7	1.4	6.4	18.1	3.3	14.5	48.2	0.0	14.5	50.6	45.6
South Africa	560	3.9	29.0	3.9	0.9	0.3	11.8	36.0	0.9	13.2	3.9	1.3	11.9	4.1	3.7
Spain	495	27.5	4.1	3.2	3.0	2.2	17.4	22.3	0.8	19.6	27.5	0.0	19.6	24.9	30.4
Sweden	507	45.8	2.8	5.2	0.9	0.8	17.8	18.2	3.7	4.7	45.8	0.0	4.7	46.9	45.4
Switzerland	600	53.5	0.5	3.1	1.5	0.8	13.8	14.7	1.4	10.6	53.5	0.0	10.6	51.2	55.8
Thailand	753	32.3	4.3	5.5	1.3	2.9	24.4	22.2	0.2	6.9	32.3	0.0	6.9	33.4	30.9
United States	878	22.4	9.7	3.3	1.1	4.9	24.7	24.6	1.4	7.9	22.4	0.2	7.8	24.2	20.3
INTERNATIONAL AVG	.	39.2	4.9	4.0	1.3	2.1	12.9	21.3	1.2	13.2	39.2	0.2	13.0	38.3	40.2

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 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

Item: K06 KEY: D
 Approximate amount increased by 15%. (Fractions and number sense)
 Difficulty: 604

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	925	9.3	8.4	11.2	49.7	20.3	1.1	49.7	0.0	0.2	1.0	44.8	55.0
Austria	333	9.8	4.7	6.5	61.1	16.3	1.6	61.1	0.0	0.6	1.0	59.5	62.1
Belgium (Fl)	362	15.9	4.0	9.5	51.2	17.2	2.3	51.2	0.0	0.0	2.3	45.2	57.3
Belgium (Fr)	317	13.5	8.1	9.6	48.0	16.2	4.7	48.0	0.0	0.0	4.7	40.2	59.2
Bulgaria	315	15.1	11.6	17.5	39.7	5.7	10.2	39.7	0.0	0.9	9.3	36.7	41.8
Canada	1056	14.2	7.8	10.5	46.0	20.7	0.7	46.0	0.0	0.0	0.7	44.9	47.6
Colombia	338	24.6	8.9	18.5	28.8	15.6	3.7	28.8	0.0	0.4	3.3	31.4	26.2
Cyprus	371	19.0	13.0	16.7	32.0	14.8	4.6	32.0	0.0	0.3	4.3	27.9	36.5
Czech Republic	421	11.1	4.4	8.2	59.4	11.3	5.6	59.4	2.6	0.0	3.0	56.2	62.6
Denmark	292	12.7	7.5	11.1	39.1	22.6	7.1	39.1	0.4	0.0	6.6	28.9	50.7
England	218	7.9	6.8	15.4	37.6	31.3	1.0	37.6	0.0	0.0	1.0	31.1	43.7
France	382	8.0	8.0	10.8	51.5	18.8	3.0	51.5	0.5	0.0	2.5	52.0	51.0
Germany	355	9.1	8.3	11.3	52.5	15.2	3.7	52.5	0.7	0.0	2.9	50.3	54.9
Greece	491	16.8	7.2	13.9	39.0	19.2	3.9	39.0	0.0	0.0	3.9	30.0	48.3
Hong Kong	417	10.7	5.7	9.6	60.2	13.5	0.3	60.2	0.0	0.3	0.0	54.9	64.8
Hungary	352	9.6	5.4	6.7	58.5	15.5	4.2	58.5	0.0	0.5	3.7	57.1	59.7
Iceland	226	8.0	6.8	21.9	49.7	13.2	0.4	49.7	0.0	0.0	0.4	50.0	49.4
Iran, Islamic Rep.	463	29.9	12.3	20.3	12.8	17.7	6.9	12.8	0.1	0.4	6.4	9.9	15.6
Ireland	385	14.1	5.7	9.1	45.5	23.7	1.9	45.5	0.5	0.0	1.4	39.6	51.5
Israel	189	14.8	6.2	11.0	48.9	13.7	5.5	48.9	0.0	2.2	3.3	46.4	51.9
Japan	637	11.2	7.4	8.7	57.6	14.6	0.5	57.6	0.0	0.0	0.5	50.4	64.6
Korea	369	8.9	7.1	10.5	55.5	17.5	0.6	55.5	0.0	0.0	0.6	49.5	60.4
Kuwait	204	22.8	6.7	18.9	22.4	26.2	2.9	22.4	0.0	0.0	2.9	12.5	32.1
Latvia (LSS)	299	16.5	9.6	20.0	29.4	19.1	5.4	29.4	0.0	0.2	5.2	24.2	35.5
Lithuania	328	13.9	7.5	10.8	36.9	18.5	12.3	36.9	0.0	0.0	12.3	32.9	41.5
Netherlands	250	9.7	7.6	10.5	51.3	20.9	0.0	51.3	0.0	0.0	0.0	47.3	55.8
New Zealand	457	8.4	8.2	14.7	43.5	24.6	0.6	43.5	0.0	0.0	0.6	37.2	49.1
Norway	408	15.2	7.1	12.3	48.3	16.7	0.4	48.3	0.0	0.0	0.4	40.8	56.8
Philippines	745	38.1	12.9	16.1	18.7	14.0	0.3	18.7	0.0	0.0	0.3	19.9	17.2
Portugal	431	11.2	7.1	16.7	41.2	21.1	2.6	41.2	0.0	0.0	2.6	32.8	48.5
Romania	456	15.2	7.6	14.6	34.9	16.2	11.6	34.9	0.4	0.2	10.9	34.2	34.8
Russian Federation	502	14.8	5.8	14.3	41.9	13.4	9.9	41.9	0.5	0.0	9.4	35.9	49.5
Scotland	350	8.0	8.2	14.6	43.3	24.3	1.7	43.3	0.0	0.0	1.7	36.5	49.0
Singapore	590	8.7	2.4	4.5	67.2	15.4	1.7	67.2	0.0	0.1	1.6	66.6	68.1
Slovak Republic	433	11.5	5.4	10.6	50.5	16.3	5.7	50.5	1.8	0.2	3.7	44.5	55.9
Slovenia	340	12.9	6.7	14.1	44.1	16.2	6.1	44.1	0.0	0.0	6.1	37.8	51.2
South Africa	559	32.3	7.5	19.9	12.5	24.4	3.3	12.5	0.0	1.3	2.0	11.8	12.9
Spain	495	14.6	12.4	22.6	34.1	13.5	2.9	34.1	0.0	0.0	2.9	31.8	36.6
Sweden	507	12.1	8.3	12.2	50.9	14.4	2.1	50.9	0.5	0.0	1.6	45.1	56.4
Switzerland	600	10.7	9.2	9.2	45.6	22.2	3.1	45.6	0.0	0.0	3.1	43.3	48.0
Thailand	753	18.8	12.8	17.6	35.2	14.5	1.1	35.2	0.0	0.0	1.1	37.1	32.5
United States	878	19.2	7.3	13.9	40.3	17.3	2.0	40.3	0.0	0.2	1.9	40.0	40.6
INTERNATIONAL AVG	.	14.5	7.7	13.3	43.2	17.7	3.5	43.2	0.2	0.2	3.2	39.3	47.3

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: K07 KEY: C
 Determine the number of blue pens given probability of selection. (Data Rep., Analysis & Prob.)
 Difficulty: 550

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	925	19.9	14.6	58.4	4.8	1.6	0.7	58.4	0.0	0.2	0.5	54.8	62.3
Austria	333	22.6	16.3	48.7	4.1	6.3	2.1	48.7	0.0	1.0	1.1	48.1	48.9
Belgium (Fl)	362	10.1	7.9	78.6	2.4	0.2	0.8	78.6	0.0	0.0	0.8	78.8	78.5
Belgium (Fr)	317	8.7	11.0	63.0	7.4	3.2	6.9	63.0	0.0	0.0	6.9	63.5	62.6
Bulgaria	315	12.3	21.2	45.8	6.1	4.1	10.5	45.8	0.4	0.9	9.2	45.5	46.6
Canada	1056	15.0	17.0	62.3	3.9	1.1	0.6	62.3	0.0	0.0	0.6	61.1	63.6
Colombia	338	21.6	21.6	29.5	10.7	9.9	6.8	29.5	0.2	0.4	6.2	26.4	32.9
Cyprus	371	12.6	15.5	54.4	8.4	6.4	2.6	54.4	0.0	0.3	2.2	55.5	53.2
Czech Republic	421	15.8	16.4	58.1	4.1	2.3	3.3	58.1	0.3	0.0	3.0	59.7	56.4
Denmark	292	15.4	19.1	47.4	6.3	2.5	9.2	47.4	0.0	0.4	8.8	43.7	50.8
England	218	21.3	19.1	50.4	6.5	2.3	0.4	50.4	0.0	0.0	0.4	49.9	50.8
France	382	18.0	16.5	55.2	5.2	1.7	3.4	55.2	0.0	0.0	3.4	53.8	57.3
Germany	355	26.9	14.7	46.3	4.5	2.4	5.1	46.3	0.0	0.0	5.1	45.8	46.7
Greece	491	16.8	15.8	50.0	8.7	4.9	3.8	50.0	0.0	0.0	3.8	41.3	59.1
Hong Kong	417	9.5	7.4	75.5	3.4	3.7	0.5	75.5	0.0	0.3	0.3	75.6	75.4
Hungary	352	13.9	15.4	51.3	8.8	4.2	6.3	51.3	0.0	0.5	5.8	47.7	54.4
Iceland	226	24.1	21.5	44.1	6.1	2.4	1.9	44.1	0.2	0.0	1.6	45.2	43.0
Iran, Islamic Rep.	463	28.6	11.7	41.8	5.0	6.8	6.0	41.8	0.0	0.4	5.6	42.7	41.6
Ireland	385	10.4	9.7	72.8	4.7	1.8	0.5	72.8	0.0	0.0	0.5	75.4	70.2
Israel	189	19.4	12.8	52.8	5.9	1.1	7.9	52.8	0.0	2.2	5.7	52.8	53.9
Japan	637	11.6	9.6	74.0	3.2	1.1	0.4	74.0	0.0	0.0	0.4	71.1	76.9
Korea	369	8.9	6.6	80.6	2.0	1.8	0.0	80.6	0.0	0.0	0.0	76.9	83.6
Kuwait	204	22.7	23.9	31.6	10.2	4.8	6.7	31.6	0.0	0.0	6.7	34.0	29.3
Latvia (LSS)	299	21.8	17.3	43.5	3.8	7.6	6.0	43.5	0.0	0.2	5.8	46.1	40.4
Lithuania	328	23.0	19.2	31.0	7.5	3.6	15.6	31.0	0.0	0.0	15.6	33.9	27.7
Netherlands	250	18.9	16.9	59.0	4.4	0.5	0.4	59.0	0.0	0.0	0.4	55.7	61.2
New Zealand	457	20.0	19.7	50.6	5.9	3.4	0.4	50.6	0.2	0.0	0.2	48.2	52.8
Norway	408	25.5	23.7	41.5	3.7	3.6	2.0	41.5	0.0	0.0	2.0	42.1	40.8
Philippines	745	28.5	13.6	38.1	12.6	7.0	0.3	38.1	0.0	0.0	0.3	37.8	38.7
Portugal	431	19.1	22.9	38.2	8.8	6.3	4.8	38.2	0.0	0.0	4.8	41.4	35.4
Romania	456	15.3	12.2	50.1	6.9	5.0	10.6	50.1	0.5	0.2	9.9	51.6	48.4
Russian Federation	502	10.0	13.6	59.4	6.7	2.3	8.1	59.4	0.1	0.0	7.9	59.5	59.3
Scotland	350	21.2	18.4	49.3	8.1	1.9	1.1	49.3	0.5	0.0	0.6	45.1	52.9
Singapore	590	2.4	3.4	92.5	0.7	0.5	0.5	92.5	0.0	0.1	0.4	93.7	91.6
Slovak Republic	433	17.6	21.3	42.6	4.3	4.9	9.3	42.6	1.5	0.2	7.7	37.5	47.3
Slovenia	341	14.2	13.7	56.7	5.3	2.4	7.7	56.7	0.0	0.0	7.7	60.5	52.5
South Africa	559	24.6	16.8	24.3	14.6	16.2	3.5	24.3	0.0	1.3	2.1	24.3	24.9
Spain	495	17.6	18.3	50.5	7.7	2.3	3.7	50.5	0.0	0.0	3.7	49.8	51.2
Sweden	507	22.5	20.1	46.6	5.9	2.5	2.4	46.6	0.2	0.2	2.1	48.0	46.1
Switzerland	600	17.1	13.5	60.5	1.8	3.8	3.3	60.5	0.0	0.0	3.3	62.9	57.9
Thailand	753	15.6	11.3	66.2	3.4	2.5	1.0	66.2	0.0	0.0	1.0	69.3	61.4
United States	878	24.7	14.8	53.4	3.9	1.6	1.5	53.4	0.0	0.2	1.3	52.0	54.9
INTERNATIONAL AVG	.	17.8	15.6	53.0	5.9	3.7	4.0	53.0	0.1	0.2	3.7	52.6	53.4

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: K08 KEY: B
 Determine unknown angle in rotated congruent triangles. (Geometry)
 Difficulty: 639

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	925	45.3	34.3	8.1	6.9	3.0	2.4	34.3	0.0	0.2	2.3	32.3	36.6
Austria	333	46.6	29.2	10.3	5.9	4.4	3.5	29.2	0.0	1.0	2.5	22.0	35.1
Belgium (Fl)	362	44.5	43.1	6.7	4.0	0.5	1.2	43.1	0.0	0.0	1.2	44.7	41.4
Belgium (Fr)	317	48.8	32.1	5.8	4.5	2.4	6.4	32.1	0.0	0.0	6.4	27.5	38.7
Bulgaria	315	36.0	43.6	6.5	6.1	4.0	3.8	43.6	0.5	0.9	2.4	45.2	41.9
Canada	1056	56.4	28.9	6.0	4.1	3.7	0.9	28.9	0.0	0.0	0.9	27.8	30.6
Colombia	338	47.6	11.8	11.3	16.2	7.4	5.7	11.8	0.2	0.4	5.1	12.5	11.2
Cyprus	371	36.2	41.3	11.8	5.0	3.3	2.5	41.3	0.3	0.3	1.9	40.7	42.0
Czech Republic	421	38.0	50.6	4.4	3.3	2.2	1.4	50.6	0.3	0.0	1.1	51.3	50.0
Denmark	292	44.2	32.7	8.7	4.8	5.4	4.2	32.7	0.0	0.4	3.7	34.1	31.1
England	218	47.0	30.5	9.5	5.3	5.8	1.9	30.5	0.0	0.0	1.9	29.4	31.6
France	382	35.3	50.1	7.5	3.4	1.5	2.2	50.1	0.3	0.0	1.9	44.2	54.1
Germany	355	51.4	29.3	8.7	4.1	3.0	3.6	29.3	0.0	0.0	3.6	27.7	31.5
Greece	491	41.3	37.3	8.2	6.4	4.4	2.3	37.3	0.3	0.0	2.0	32.5	42.3
Hong Kong	417	27.9	61.0	5.9	2.4	2.3	0.5	61.0	0.0	0.3	0.3	62.8	59.4
Hungary	352	42.8	39.4	8.7	2.1	3.5	3.4	39.4	0.0	0.5	2.9	43.0	36.2
Iceland	226	32.3	42.8	14.0	5.9	3.4	1.6	42.8	0.6	0.0	1.0	46.4	39.2
Iran, Islamic Rep.	463	40.4	35.4	8.4	8.9	3.1	3.8	35.4	0.1	0.4	3.3	41.8	30.4
Ireland	385	47.7	34.3	7.4	5.6	3.3	1.8	34.3	0.0	0.0	1.8	31.6	37.0
Israel	189	36.4	43.2	6.6	8.0	1.8	3.9	43.2	0.0	2.2	1.7	40.2	44.5
Japan	637	25.4	68.7	4.3	0.6	0.7	0.2	68.7	0.0	0.0	0.2	68.4	69.0
Korea	369	28.2	66.0	1.7	2.9	1.1	0.0	66.0	0.0	0.0	0.0	62.0	69.3
Kuwait	204	45.3	20.4	7.2	23.5	2.1	1.4	20.4	0.0	0.0	1.4	14.2	26.5
Latvia (LSS)	298	55.6	25.1	6.1	7.0	4.2	2.0	25.1	0.0	0.2	1.8	21.3	29.4
Lithuania	328	57.8	27.0	5.3	4.6	1.1	4.3	27.0	0.0	0.0	4.3	27.8	26.1
Netherlands	250	54.7	21.2	7.9	12.9	3.0	0.4	21.2	0.0	0.0	0.4	21.1	20.5
New Zealand	457	52.6	26.1	7.3	9.3	4.1	0.6	26.1	0.0	0.0	0.6	27.1	25.3
Norway	408	47.3	29.8	13.7	5.0	0.8	3.4	29.8	0.0	0.0	3.4	30.0	29.5
Philippines	745	51.7	11.4	4.8	23.4	8.5	0.3	11.4	0.0	0.0	0.3	10.3	12.9
Portugal	431	55.6	21.5	7.6	5.2	8.2	1.9	21.5	0.0	0.0	1.9	19.4	23.3
Romania	459	36.6	41.5	6.3	6.3	2.8	6.4	41.5	0.6	0.2	5.6	42.2	41.2
Russian Federation	502	46.8	38.7	5.5	4.7	1.3	3.0	38.7	0.0	0.0	3.0	42.7	33.7
Scotland	350	47.2	28.7	11.8	5.0	6.0	1.4	28.7	0.0	0.0	1.4	25.7	31.1
Singapore	590	26.5	69.2	1.9	1.1	0.7	0.7	69.2	0.0	0.1	0.5	71.6	66.9
Slovak Republic	433	37.0	44.7	8.3	4.3	2.7	3.0	44.7	0.2	0.2	2.6	43.4	45.9
Slovenia	341	45.3	36.8	9.9	4.8	1.4	1.8	36.8	0.4	0.0	1.4	35.9	37.9
South Africa	559	35.9	13.9	8.8	28.1	8.3	4.9	13.9	0.7	1.3	2.9	14.5	13.9
Spain	495	67.4	13.9	7.0	4.3	3.5	3.9	13.9	0.0	0.0	3.9	11.6	16.5
Sweden	507	46.9	34.2	6.8	5.9	4.3	1.8	34.2	0.0	0.4	1.4	33.3	35.4
Switzerland	600	51.0	32.6	7.5	3.9	3.1	1.8	32.6	0.0	0.0	1.8	31.4	33.8
Thailand	753	57.8	33.0	4.0	3.7	1.1	0.4	33.0	0.0	0.0	0.4	36.4	27.8
United States	878	60.9	17.1	7.3	9.3	3.8	1.4	17.1	0.0	0.2	1.3	17.2	17.0
INTERNATIONAL AVG	.	44.8	35.1	7.5	6.9	3.4	2.4	35.1	0.1	0.2	2.1	34.4	35.7

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: K09 KEY: D
 Compute sum of three fractions. (Fractions and number sense)
 Difficulty: 563

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	925	46.3	10.0	5.8	34.7	3.2	34.7	0.0	0.2	3.0	37.2	32.0
Austria	333	23.8	4.1	5.4	64.3	2.4	64.3	0.0	1.0	1.4	66.1	62.5
Belgium (Fl)	362	5.1	2.8	5.5	85.9	0.6	85.9	0.0	0.0	0.6	91.1	80.7
Belgium (Fr)	317	21.5	3.2	8.4	62.0	5.0	62.0	0.0	0.0	5.0	60.7	64.2
Bulgaria	315	23.1	5.6	4.8	59.6	7.0	59.6	0.0	1.5	5.4	58.4	60.4
Canada	1056	40.7	7.7	3.3	46.9	1.5	46.9	0.4	0.0	1.1	49.6	44.8
Colombia	338	60.0	5.7	5.0	20.0	9.2	20.0	0.4	0.4	8.4	20.8	18.8
Cyprus	371	20.2	8.8	6.3	62.1	2.6	62.1	0.0	0.3	2.2	64.0	60.0
Czech Republic	421	15.2	3.1	3.2	76.2	2.2	76.2	1.4	0.0	0.9	80.7	71.6
Denmark	292	45.4	8.8	4.2	34.9	6.6	34.9	0.0	0.4	6.2	36.3	33.8
England	218	72.9	9.7	2.3	12.4	2.8	12.4	0.0	0.0	2.8	8.4	16.1
France	382	22.8	5.9	8.0	60.8	2.5	60.8	0.0	0.0	2.5	70.3	52.1
Germany	355	28.9	11.8	7.8	47.0	4.5	47.0	0.3	0.0	4.2	52.3	42.0
Greece	491	42.1	4.9	5.4	41.8	5.7	41.8	0.2	0.0	5.5	47.4	36.3
Hong Kong	417	6.9	6.0	6.8	79.3	1.0	79.3	0.0	0.3	0.7	78.0	80.5
Hungary	352	9.1	4.1	2.5	79.2	5.1	79.2	0.0	0.5	4.6	81.1	77.6
Iceland	226	74.6	12.4	2.8	9.7	0.6	9.7	0.0	0.0	0.6	14.8	4.6
Iran, Islamic Rep.	463	32.6	10.4	8.5	45.4	3.1	45.4	0.0	0.4	2.7	49.1	42.8
Ireland	385	42.3	3.1	4.7	47.0	2.9	47.0	1.9	0.0	1.0	45.1	49.0
Israel	189	20.5	6.8	5.5	61.2	6.1	61.2	0.0	2.2	3.9	69.2	56.6
Japan	637	5.1	3.8	3.2	87.2	0.7	87.2	0.0	0.0	0.7	88.0	86.5
Korea	369	13.6	2.6	2.5	81.4	0.0	81.4	0.0	0.0	0.0	79.9	82.6
Kuwait	204	70.1	10.2	4.8	13.1	1.7	13.1	0.0	0.0	1.7	15.1	11.3
Latvia (LSS)	298	38.9	4.8	7.7	45.9	2.6	45.9	0.0	0.2	2.4	55.2	35.2
Lithuania	328	41.6	3.2	3.7	43.7	7.8	43.7	0.2	0.0	7.6	53.1	33.0
Netherlands	250	40.8	13.6	15.9	29.1	0.6	29.1	0.0	0.0	0.6	32.3	25.4
New Zealand	457	66.2	7.5	5.3	19.8	1.2	19.8	0.2	0.0	1.1	18.4	21.1
Norway	408	34.0	13.4	10.1	37.8	4.7	37.8	0.0	0.0	4.7	38.3	37.2
Philippines	745	61.6	6.8	3.2	26.2	2.1	26.2	0.1	0.0	2.0	29.4	22.1
Portugal	431	56.9	3.6	5.8	30.8	2.9	30.8	0.0	0.0	2.9	31.1	30.6
Romania	459	18.1	5.9	1.7	65.6	8.8	65.6	0.0	0.4	8.4	71.2	60.2
Russian Federation	502	27.2	2.3	2.0	65.0	3.5	65.0	0.1	0.0	3.4	74.4	53.0
Scotland	350	76.1	10.4	2.9	9.0	1.6	9.0	0.0	0.0	1.6	7.3	10.5
Singapore	590	3.4	1.8	3.4	90.5	0.9	90.5	0.0	0.1	0.8	92.0	89.1
Slovak Republic	433	15.5	3.8	1.8	76.4	2.5	76.4	1.2	0.2	1.1	81.4	71.9
Slovenia	341	13.4	2.8	3.0	78.6	2.2	78.6	0.0	0.0	2.2	84.6	71.9
South Africa	559	64.6	10.5	5.0	15.3	4.6	15.3	0.0	1.3	3.3	14.3	17.0
Spain	495	26.0	4.2	4.9	62.0	2.9	62.0	0.0	0.2	2.7	64.6	58.9
Sweden	507	49.7	15.2	8.3	24.1	2.8	24.1	0.0	0.4	2.4	24.7	23.9
Switzerland	600	28.5	6.6	5.7	56.1	3.2	56.1	0.2	0.0	3.0	60.1	51.8
Thailand	753	37.0	7.0	6.8	47.6	1.5	47.6	0.0	0.0	1.5	52.0	41.0
United States	878	42.1	6.5	5.1	45.2	1.0	45.2	0.0	0.2	0.9	49.1	40.9
INTERNATIONAL AVG	.	35.3	6.7	5.2	49.5	3.2	49.5	0.2	0.2	2.8	52.3	46.7

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: L08 KEY: B
 Estimate actual height from diagram of relative heights. (Fractions and number sense)
 Difficulty: 521

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	902	21.7	67.2	7.1	3.2	0.8	67.2	0.0	0.7	0.1	64.1	70.2
Austria	329	25.7	63.8	9.2	1.3	0.0	63.8	0.0	0.0	0.0	59.4	67.7
Belgium (Fl)	372	20.5	68.3	8.0	1.8	1.4	68.3	0.0	0.0	1.4	68.7	67.9
Belgium (Fr)	319	26.5	60.5	10.8	1.9	0.3	60.5	0.0	0.0	0.3	59.9	62.0
Bulgaria	168	21.5	71.2	2.3	3.6	1.3	71.2	0.0	0.4	0.8	71.3	71.1
Canada	1046	30.5	59.6	5.4	4.3	0.2	59.6	0.1	0.1	0.1	55.6	64.2
Colombia	328	32.0	35.6	12.5	17.4	2.5	35.6	0.0	1.6	0.9	26.0	43.7
Cyprus	378	34.8	47.5	9.9	6.9	0.8	47.5	0.0	0.0	0.8	45.1	49.6
Czech Republic	418	21.4	69.8	8.2	0.5	0.2	69.8	0.2	0.0	0.0	66.6	72.5
Denmark	294	22.0	57.7	13.0	6.3	1.0	57.7	0.0	0.0	1.0	55.5	59.9
England	215	21.4	67.3	8.5	2.8	0.0	67.3	0.0	0.0	0.0	68.3	66.3
France	385	24.8	62.5	11.2	1.1	0.4	62.5	0.1	0.0	0.3	59.9	63.7
Germany	371	27.0	60.2	9.5	2.3	1.0	60.2	0.0	0.2	0.7	54.4	67.0
Greece	504	38.4	51.2	5.7	3.5	1.2	51.2	0.3	0.0	0.9	44.7	57.9
Hong Kong	414	28.3	59.8	9.4	2.0	0.5	59.8	0.0	0.2	0.3	56.1	63.3
Hungary	380	25.8	64.7	6.8	1.7	1.1	64.7	0.0	0.4	0.7	59.7	70.5
Iceland	216	20.7	64.3	10.9	3.5	0.6	64.3	0.6	0.0	0.0	70.4	58.1
Iran, Islamic Rep.	461	41.0	46.2	6.8	4.8	1.2	46.2	0.0	0.8	0.4	40.2	50.6
Ireland	385	24.5	61.3	8.3	5.8	0.2	61.3	0.0	0.0	0.2	59.3	63.4
Israel	186	33.1	50.8	11.4	3.7	1.0	50.8	0.0	1.0	0.0	49.0	49.3
Japan	645	14.2	78.6	4.9	2.2	0.0	78.6	0.0	0.0	0.0	77.2	80.0
Korea	365	14.5	77.4	6.0	2.1	0.0	77.4	0.0	0.0	0.0	73.9	80.3
Kuwait	218	42.8	35.5	12.7	7.8	1.2	35.5	0.0	1.0	0.2	36.5	34.6
Latvia (LSS)	297	25.0	64.1	8.0	2.8	0.0	64.1	0.0	0.0	0.0	60.9	67.6
Lithuania	315	27.9	64.0	5.8	1.5	0.7	64.0	0.0	0.0	0.7	67.8	59.3
Netherlands	253	25.0	69.1	3.1	1.4	1.3	69.1	0.0	0.9	0.4	64.9	74.3
New Zealand	456	27.8	61.1	7.8	2.7	0.6	61.1	0.2	0.0	0.3	58.8	63.3
Norway	408	17.1	71.7	6.9	3.2	1.2	71.7	0.0	0.0	1.2	68.8	74.5
Philippines	754	35.1	36.2	9.9	18.7	0.0	36.2	0.0	0.0	0.0	35.1	37.5
Portugal	420	25.3	57.6	11.5	5.4	0.2	57.6	0.0	0.0	0.2	55.0	59.9
Romania	463	25.3	54.2	11.9	5.9	2.7	54.2	0.3	0.4	2.0	49.7	57.8
Russian Federation	515	28.1	62.3	7.0	1.6	1.0	62.3	0.0	0.3	0.7	59.3	65.8
Scotland	346	27.5	59.5	10.8	2.2	0.0	59.5	0.0	0.0	0.0	57.1	61.1
Singapore	565	20.7	64.2	11.1	3.7	0.2	64.2	0.0	0.0	0.2	65.5	62.9
Slovak Republic	441	18.8	74.0	5.7	1.5	0.0	74.0	0.0	0.0	0.0	69.9	77.9
Slovenia	354	24.8	66.5	7.8	0.7	0.2	66.5	0.2	0.0	0.0	61.9	71.4
South Africa	568	19.7	22.9	13.4	42.5	1.5	22.9	0.0	0.8	0.6	22.1	24.4
Spain	480	28.8	58.5	8.1	4.1	0.5	58.5	0.0	0.0	0.5	51.8	65.0
Sweden	510	23.0	69.4	5.9	1.3	0.3	69.4	0.0	0.0	0.3	68.0	70.7
Switzerland	589	20.8	65.8	9.8	2.8	0.8	65.8	0.8	0.0	0.0	63.5	67.8
Thailand	738	26.8	59.0	9.1	4.7	0.4	59.0	0.0	0.3	0.2	58.5	58.7
United States	875	25.6	52.7	10.6	10.8	0.3	52.7	0.1	0.2	0.0	49.4	56.2
INTERNATIONAL AVG	.	25.9	59.9	8.6	5.0	0.7	59.9	0.1	0.2	0.4	57.4	62.1

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: L09 KEY: B
 Identify 504.7 from its expression in words. (Fractions and number sense)
 Difficulty: 373

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	902	2.6	84.6	8.3	3.5	1.1	84.6	0.0	0.7	0.4	86.2	83.0
Austria	329	0.2	94.0	4.7	0.8	0.2	94.0	0.0	0.0	0.2	96.5	91.6
Belgium (Fl)	372	1.7	90.9	3.8	2.1	1.5	90.9	0.0	0.0	1.5	89.4	92.4
Belgium (Fr)	319	1.8	91.2	1.2	4.0	1.8	91.2	0.0	0.0	1.8	95.4	88.4
Bulgaria	168	2.3	88.3	2.8	5.4	1.3	88.3	0.0	0.4	0.8	91.6	83.5
Canada	1046	2.2	89.7	2.8	5.1	0.2	89.7	0.0	0.1	0.1	92.2	87.1
Colombia	328	5.3	73.4	4.6	10.4	6.3	73.4	0.0	1.6	4.6	71.3	74.8
Cyprus	378	15.1	60.1	10.1	13.9	0.8	60.1	0.0	0.0	0.8	56.8	63.0
Czech Republic	418	1.3	97.5	1.0	0.0	0.2	97.5	0.0	0.0	0.2	98.8	96.5
Denmark	294	3.2	67.7	19.5	6.6	3.0	67.7	0.0	0.0	3.0	67.0	68.8
England	215	1.7	78.3	17.4	2.6	0.0	78.3	0.0	0.0	0.0	76.2	80.5
France	385	2.8	91.5	3.8	1.7	0.3	91.5	0.3	0.0	0.0	92.5	90.4
Germany	371	4.5	81.8	6.5	3.7	3.5	81.8	0.0	0.2	3.3	81.0	85.4
Greece	504	2.3	93.8	0.3	2.5	1.0	93.8	0.3	0.2	0.5	91.4	96.3
Hong Kong	414	3.2	89.8	3.0	3.1	0.8	89.8	0.0	0.2	0.6	85.6	93.4
Hungary	380	0.8	95.8	1.9	0.7	0.9	95.8	0.0	0.4	0.4	97.1	94.3
Iceland	216	11.2	67.9	10.2	10.3	0.4	67.9	0.4	0.0	0.0	67.8	68.0
Iran, Islamic Rep.	461	17.0	72.5	5.6	3.5	1.3	72.5	0.3	0.8	0.2	65.5	78.4
Ireland	385	2.8	85.0	5.9	6.1	0.2	85.0	0.2	0.0	0.0	85.0	85.1
Israel	186	3.1	80.7	9.3	4.5	2.5	80.7	0.0	1.0	1.5	77.0	86.3
Japan	645	5.1	83.5	7.6	2.9	0.9	83.5	0.4	0.0	0.5	86.7	80.4
Korea	365	4.0	86.3	3.9	5.8	0.0	86.3	0.0	0.0	0.0	84.7	87.8
Kuwait	218	17.6	61.3	3.7	15.1	2.2	61.3	0.0	1.0	1.2	71.8	51.1
Latvia (LSS)	297	2.9	89.4	3.7	3.5	0.6	89.4	0.0	0.0	0.6	90.6	87.9
Lithuania	315	2.8	88.9	0.6	6.0	1.7	88.9	0.0	0.0	1.7	92.8	84.1
Netherlands	253	1.5	93.1	1.9	2.2	1.3	93.1	0.0	0.9	0.4	95.9	90.0
New Zealand	456	2.9	85.2	6.8	4.8	0.3	85.2	0.0	0.0	0.3	87.8	82.8
Norway	408	3.0	77.7	12.7	4.8	1.8	77.7	0.0	0.0	1.8	79.1	76.4
Philippines	754	5.7	83.2	6.9	4.1	0.1	83.2	0.0	0.0	0.1	83.8	82.4
Portugal	420	2.9	87.3	2.5	7.1	0.2	87.3	0.0	0.0	0.2	85.8	88.6
Romania	462	8.2	68.6	13.3	5.5	4.4	68.6	0.9	0.4	3.1	66.6	70.2
Russian Federation	515	3.4	93.5	0.8	1.7	0.5	93.5	0.0	0.3	0.2	95.4	91.4
Scotland	346	3.7	79.5	10.0	6.5	0.4	79.5	0.0	0.0	0.4	76.9	82.1
Singapore	565	1.5	93.9	3.4	1.2	0.0	93.9	0.0	0.0	0.0	93.3	94.5
Slovak Republic	440	1.4	96.6	0.6	0.7	0.7	96.6	0.0	0.0	0.7	97.2	96.1
Slovenia	354	1.6	93.9	2.1	2.4	0.1	93.9	0.0	0.0	0.1	95.1	93.1
South Africa	568	10.9	36.8	26.9	23.1	2.4	36.8	0.5	0.8	1.0	31.0	42.4
Spain	480	1.9	94.0	0.8	3.0	0.2	94.0	0.0	0.0	0.2	93.7	94.3
Sweden	510	1.8	94.1	1.6	1.9	0.7	94.1	0.2	0.0	0.5	94.9	93.2
Switzerland	589	2.4	90.8	3.8	1.3	1.7	90.8	0.0	0.0	1.6	91.0	90.6
Thailand	738	4.2	86.8	5.1	3.5	0.4	86.8	0.0	0.3	0.1	86.2	87.6
United States	875	4.8	90.9	2.7	1.4	0.2	90.9	0.0	0.2	0.0	92.6	89.1
INTERNATIONAL AVG	.	4.3	84.0	5.8	4.7	1.1	84.0	0.1	0.2	0.8	84.2	83.9

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: L10 KEY: B
 Use data in a chart to identify time/day with highest temperature. (Data Rep., Analysis & Prob.)
 Difficulty: 353

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	902	5.2	91.5	1.5	0.3	1.5	91.5	0.0	0.7	0.8	94.3	88.9
Austria	329	5.6	90.6	2.7	0.6	0.4	90.6	0.0	0.0	0.4	89.0	91.9
Belgium (Fl)	372	7.3	91.1	0.0	0.3	1.3	91.1	0.0	0.3	0.9	92.0	90.3
Belgium (Fr)	319	8.3	89.7	0.8	0.7	0.4	89.7	0.0	0.0	0.4	89.7	89.7
Bulgaria	168	5.1	81.0	10.6	1.5	1.9	81.0	0.0	0.4	1.4	76.2	87.9
Canada	1046	5.0	91.5	1.9	1.3	0.3	91.5	0.0	0.1	0.2	90.9	92.2
Colombia	328	11.3	71.4	6.4	3.3	7.6	71.4	0.6	5.3	1.7	74.6	68.1
Cyprus	378	12.8	77.7	4.1	4.6	0.8	77.7	0.0	0.0	0.8	81.2	74.5
Czech Republic	418	3.2	95.7	1.1	0.0	0.0	95.7	0.0	0.0	0.0	95.4	96.0
Denmark	294	5.7	92.3	0.0	0.0	2.0	92.3	0.1	0.0	1.8	94.6	89.4
England	215	7.5	90.6	1.5	0.0	0.4	90.6	0.0	0.0	0.4	90.7	90.4
France	385	7.2	89.7	0.2	1.9	1.0	89.7	0.2	0.0	0.8	89.2	89.8
Germany	371	8.0	86.8	2.2	1.0	1.9	86.8	0.0	0.2	1.7	86.2	86.9
Greece	504	10.9	84.9	1.2	1.5	1.6	84.9	0.3	0.2	1.1	83.3	86.5
Hong Kong	408	15.8	79.3	3.2	1.2	0.5	79.3	0.0	0.2	0.3	79.1	79.4
Hungary	380	6.3	90.8	0.3	1.9	0.6	90.8	0.0	0.4	0.2	91.5	90.1
Iceland	216	8.5	90.2	0.8	0.0	0.4	90.2	0.4	0.0	0.0	90.2	90.2
Iran, Islamic Rep.	461	13.9	74.8	4.6	4.8	1.8	74.8	0.0	0.8	1.0	74.1	76.4
Ireland	385	4.9	92.5	0.9	1.2	0.6	92.5	0.3	0.0	0.3	92.0	92.9
Israel	186	6.9	89.1	0.9	0.0	3.1	89.1	0.0	1.0	2.1	86.1	92.7
Japan	645	5.6	92.9	1.4	0.1	0.0	92.9	0.0	0.0	0.0	93.5	92.4
Korea	365	12.2	85.3	1.7	0.7	0.0	85.3	0.0	0.0	0.0	82.6	87.7
Kuwait	218	11.5	82.3	3.1	1.5	1.5	82.3	0.0	1.0	0.6	87.6	77.2
Latvia (LSS)	300	7.6	86.4	0.8	4.4	0.9	86.4	0.0	0.3	0.6	90.2	81.8
Lithuania	315	8.5	86.8	1.1	0.6	3.0	86.8	0.3	0.3	2.5	89.6	83.4
Netherlands	253	6.6	89.2	2.4	0.4	1.3	89.2	0.0	0.9	0.4	87.2	91.2
New Zealand	456	6.1	93.0	0.2	0.2	0.5	93.0	0.2	0.0	0.3	93.2	92.7
Norway	408	4.7	91.8	0.8	1.1	1.7	91.8	0.0	0.0	1.7	92.9	90.7
Philippines	754	18.2	70.8	7.4	3.4	0.1	70.8	0.1	0.0	0.0	72.2	69.2
Portugal	420	7.0	89.9	0.8	0.7	1.6	89.9	0.0	0.0	1.6	89.4	90.4
Romania	464	19.1	68.8	5.7	2.3	4.1	68.8	2.4	0.4	1.3	65.2	71.6
Russian Federation	515	6.9	90.9	0.4	0.4	1.4	90.9	0.4	0.5	0.5	92.9	88.6
Scotland	346	6.7	91.4	0.9	0.5	0.6	91.4	0.3	0.0	0.3	88.1	94.0
Singapore	565	10.9	87.9	0.8	0.1	0.2	87.9	0.0	0.0	0.2	90.2	85.7
Slovak Republic	439	5.6	93.4	0.2	0.6	0.2	93.4	0.0	0.0	0.2	93.9	93.0
Slovenia	354	5.3	94.5	0.2	0.0	0.0	94.5	0.0	0.0	0.0	95.4	93.5
South Africa	568	18.7	54.9	14.9	9.3	2.2	54.9	0.6	0.8	0.8	55.4	54.9
Spain	480	8.4	88.4	0.4	1.8	1.0	88.4	0.0	0.0	1.0	91.4	85.5
Sweden	510	3.8	93.7	0.7	0.8	1.0	93.7	0.0	0.0	1.0	94.7	92.9
Switzerland	589	5.9	91.5	1.5	0.6	0.5	91.5	0.2	0.2	0.1	90.4	92.6
Thailand	738	10.9	86.0	1.1	0.9	1.0	86.0	0.0	0.4	0.6	86.2	85.5
United States	875	7.5	90.4	1.7	0.1	0.3	90.4	0.1	0.2	0.0	90.4	90.5
INTERNATIONAL AVG	.	8.5	86.7	2.2	1.3	1.2	86.7	0.2	0.3	0.7	87.0	86.4

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: L11 KEY: C
 Solve multi-step word problem using pattern. (Algebra)
 Difficulty: 640

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	902	43.1	13.1	33.7	7.0	3.1	33.7	0.0	0.8	2.3	35.7	31.8
Austria	329	37.9	15.6	38.5	7.3	0.7	38.5	0.0	0.0	0.7	33.1	43.9
Belgium (Fl)	372	34.9	12.2	40.1	8.5	4.2	40.1	0.0	0.3	3.9	40.0	40.2
Belgium (Fr)	319	35.1	11.4	37.3	8.6	7.6	37.3	0.0	0.0	7.6	38.1	38.0
Bulgaria	168	31.5	8.9	43.6	10.3	5.7	43.6	0.5	1.3	3.9	45.4	41.0
Canada	1046	40.8	13.6	36.1	7.9	1.7	36.1	0.1	0.1	1.5	41.4	31.4
Colombia	328	33.8	18.0	25.1	9.2	13.9	25.1	0.2	5.3	8.4	29.4	21.4
Cyprus	378	37.6	15.2	32.0	11.6	3.6	32.0	0.0	0.0	3.6	32.9	31.2
Czech Republic	418	41.5	9.8	43.5	2.8	2.4	43.5	1.0	0.0	1.5	44.9	42.3
Denmark	294	41.9	13.6	31.1	6.0	7.5	31.1	0.0	0.0	7.5	30.3	32.9
England	215	45.0	14.1	34.1	6.8	0.0	34.1	0.0	0.0	0.0	36.3	31.9
France	385	42.4	9.6	37.2	5.3	5.6	37.2	0.3	0.0	5.3	36.9	35.5
Germany	371	40.9	13.4	32.2	7.4	6.0	32.2	0.0	0.2	5.8	36.4	27.3
Greece	504	42.1	16.6	28.7	7.4	5.1	28.7	0.0	0.2	4.9	30.6	26.8
Hong Kong	408	34.9	18.4	36.8	8.9	1.0	36.8	0.0	0.5	0.5	39.0	34.6
Hungary	380	38.9	8.9	39.9	6.5	5.8	39.9	0.0	0.4	5.4	43.0	36.3
Iceland	216	39.3	21.2	35.9	2.0	1.5	35.9	0.4	0.0	1.1	39.9	31.9
Iran, Islamic Rep.	461	37.0	17.5	29.9	11.6	4.0	29.9	0.0	1.1	2.9	34.3	25.5
Ireland	385	39.0	14.2	34.7	9.5	2.6	34.7	0.8	0.0	1.7	39.5	29.6
Israel	186	40.9	12.1	31.7	9.9	5.4	31.7	0.0	1.5	3.9	32.2	30.6
Japan	645	37.1	15.1	41.0	6.8	0.0	41.0	0.0	0.0	0.0	44.2	37.9
Korea	365	44.4	12.8	35.8	6.7	0.3	35.8	0.0	0.0	0.3	42.4	30.1
Kuwait	218	17.8	13.6	34.5	23.3	10.7	34.5	0.0	1.0	9.7	31.8	37.1
Latvia (LSS)	300	51.2	12.0	24.5	4.5	7.8	24.5	0.0	0.3	7.5	23.1	25.3
Lithuania	315	36.2	11.9	22.6	5.2	24.2	22.6	0.0	0.5	23.7	24.4	20.4
Netherlands	253	41.4	19.1	32.4	5.4	1.7	32.4	0.0	0.9	0.8	29.4	36.1
New Zealand	456	44.5	14.7	32.5	7.6	0.7	32.5	0.0	0.0	0.7	32.5	32.6
Norway	408	45.8	12.4	32.2	5.2	4.3	32.2	0.0	0.0	4.3	35.8	28.6
Philippines	754	29.8	22.0	37.0	11.0	0.1	37.0	0.0	0.0	0.1	35.8	38.4
Portugal	420	44.3	15.8	27.8	7.7	4.3	27.8	0.0	0.0	4.3	32.0	24.1
Romania	464	41.1	13.2	26.2	6.3	13.3	26.2	0.7	0.6	11.9	28.9	24.1
Russian Federation	515	41.2	14.2	30.9	4.5	9.2	30.9	0.3	0.5	8.4	33.8	27.5
Scotland	346	43.9	14.7	29.8	9.2	2.3	29.8	0.0	0.0	2.3	33.5	25.9
Singapore	565	37.3	12.2	41.6	6.5	2.4	41.6	0.0	0.0	2.4	45.6	37.8
Slovak Republic	439	39.0	11.6	40.8	6.1	2.4	40.8	0.7	0.0	1.8	42.3	39.3
Slovenia	354	39.1	13.4	38.4	5.1	4.1	38.4	0.0	0.0	4.1	35.9	40.7
South Africa	568	23.4	20.6	38.1	15.4	2.5	38.1	0.1	1.0	1.5	37.8	37.6
Spain	480	39.0	16.4	31.0	8.6	5.0	31.0	0.0	0.0	5.0	37.1	25.0
Sweden	510	48.0	13.3	33.3	3.5	1.8	33.3	0.0	0.0	1.8	32.4	33.9
Switzerland	589	40.2	11.3	39.3	7.1	2.1	39.3	0.2	0.2	1.6	41.5	37.3
Thailand	738	28.8	14.9	39.3	13.7	3.3	39.3	0.1	0.6	2.5	42.4	34.2
United States	875	44.0	18.1	26.6	8.6	2.8	26.6	0.0	0.2	2.6	27.2	26.0
INTERNATIONAL AVG	.	38.9	14.3	34.2	7.9	4.6	34.2	0.1	0.4	4.0	35.9	32.5

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: L12 KEY: D
 Find longest pace from chart showing number of paces to cross room. (Measurement)
 Difficulty: 448

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	902	25.7	2.3	1.1	69.6	1.2	69.6	0.0	0.8	0.4	69.0	70.3
Austria	329	10.6	1.5	0.9	85.5	1.4	85.5	0.4	0.0	0.9	84.4	86.2
Belgium (Fl)	372	11.9	0.9	0.3	86.4	0.5	86.4	0.0	0.3	0.2	86.4	86.5
Belgium (Fr)	319	11.4	3.8	0.5	84.2	0.0	84.2	0.0	0.0	0.0	86.7	80.4
Bulgaria	168	8.6	2.9	10.1	76.5	1.9	76.5	0.0	1.3	0.5	71.7	83.2
Canada	1046	28.0	1.3	0.3	70.3	0.1	70.3	0.0	0.1	0.0	68.1	73.3
Colombia	328	35.7	1.5	0.7	55.4	6.7	55.4	0.0	5.8	0.9	51.2	58.9
Cyprus	378	29.5	4.5	2.2	62.9	0.8	62.9	0.0	0.2	0.6	63.9	62.1
Czech Republic	418	6.3	0.0	0.0	93.7	0.0	93.7	0.0	0.0	0.0	92.9	94.3
Denmark	294	18.2	1.2	0.4	80.2	0.0	80.2	0.0	0.0	0.0	80.1	80.8
England	215	26.8	0.4	0.0	72.9	0.0	72.9	0.0	0.0	0.0	71.1	74.8
France	385	16.0	1.4	0.0	81.3	1.3	81.3	0.3	0.0	1.0	80.1	81.8
Germany	371	14.4	3.2	0.7	79.4	2.3	79.4	0.0	0.2	2.0	79.4	80.7
Greece	504	27.9	0.5	0.6	70.2	0.7	70.2	0.3	0.2	0.2	66.5	74.1
Hong Kong	414	23.3	1.3	2.5	71.9	1.0	71.9	0.0	0.5	0.5	69.3	74.5
Hungary	380	35.7	2.1	1.8	59.4	0.8	59.4	0.0	0.4	0.4	62.8	55.5
Iceland	216	16.5	1.0	2.4	79.8	0.2	79.8	0.0	0.0	0.2	79.0	80.6
Iran, Islamic Rep.	461	39.4	1.0	0.8	57.3	1.4	57.3	0.0	1.1	0.3	51.6	61.9
Ireland	385	15.2	1.2	0.0	83.1	0.6	83.1	0.3	0.0	0.2	81.2	85.0
Israel	186	16.7	1.6	0.0	78.9	2.8	78.9	0.0	1.5	1.3	75.7	83.2
Japan	645	11.7	1.8	0.8	85.7	0.0	85.7	0.0	0.0	0.0	84.9	86.6
Korea	365	21.2	1.3	0.5	76.9	0.0	76.9	0.0	0.0	0.0	69.6	83.3
Kuwait	218	57.8	0.9	1.8	38.6	1.0	38.6	0.0	1.0	0.0	37.4	39.8
Latvia (LSS)	300	6.8	1.7	0.3	90.8	0.3	90.8	0.0	0.3	0.0	95.0	85.8
Lithuania	315	20.3	2.0	1.1	74.1	2.5	74.1	0.0	0.5	2.0	73.9	74.3
Netherlands	252	16.3	0.5	0.4	81.6	1.2	81.6	0.0	0.9	0.3	78.1	85.0
New Zealand	457	29.8	0.9	0.0	68.8	0.6	68.8	0.4	0.0	0.2	68.3	69.3
Norway	408	18.6	1.7	0.5	78.7	0.5	78.7	0.0	0.0	0.5	78.3	79.1
Philippines	754	82.8	5.8	1.3	9.9	0.1	9.9	0.0	0.0	0.1	8.0	12.3
Portugal	420	19.0	0.5	1.1	79.4	0.0	79.4	0.0	0.0	0.0	74.4	83.9
Romania	463	22.0	2.6	1.6	70.5	3.3	70.5	0.7	1.0	1.6	71.7	69.5
Russian Federation	515	8.9	1.0	0.5	88.6	1.0	88.6	0.0	0.9	0.1	89.3	87.8
Scotland	346	30.8	1.4	1.2	66.3	0.2	66.3	0.0	0.0	0.2	62.2	70.1
Singapore	565	22.1	0.8	0.4	76.7	0.0	76.7	0.0	0.0	0.0	74.9	78.5
Slovak Republic	438	11.1	0.4	0.3	88.2	0.0	88.2	0.0	0.0	0.0	89.8	86.6
Slovenia	354	6.8	2.3	0.6	90.3	0.0	90.3	0.0	0.0	0.0	87.1	93.7
South Africa	568	63.4	6.5	5.3	22.6	2.2	22.6	0.1	1.0	1.2	19.7	25.6
Spain	480	16.4	1.0	0.8	81.5	0.4	81.5	0.0	0.0	0.4	80.2	82.8
Sweden	510	11.8	1.3	1.0	85.8	0.2	85.8	0.0	0.0	0.2	84.8	86.6
Switzerland	589	10.8	1.5	0.2	86.9	0.5	86.9	0.0	0.2	0.2	89.3	84.8
Thailand	738	15.3	2.4	0.9	80.8	0.6	80.8	0.0	0.6	0.0	79.7	83.0
United States	875	48.7	1.3	0.6	48.2	1.2	48.2	0.0	0.2	1.0	44.9	51.7
INTERNATIONAL AVG	.	23.1	1.7	1.1	73.1	0.9	73.1	0.1	0.5	0.4	71.7	74.5

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: LI3 KEY: C
 Identify matching patterns of symbols. (Algebra)
 Difficulty: 326

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	902	1.2	1.6	93.5	2.1	1.7	93.5	0.0	0.8	0.8	94.5	92.4
Austria	329	0.5	2.2	95.2	2.0	0.2	95.2	0.0	0.0	0.2	97.8	93.2
Belgium (Fl)	372	0.2	4.4	93.9	0.5	0.9	93.9	0.0	0.3	0.6	96.6	91.2
Belgium (Fr)	319	0.8	2.6	96.1	0.0	0.6	96.1	0.3	0.0	0.3	94.9	98.2
Bulgaria	168	0.0	3.7	88.2	6.7	1.3	88.2	0.0	1.3	0.0	87.5	89.2
Canada	1046	0.7	0.9	97.0	1.2	0.1	97.0	0.0	0.1	0.0	97.3	96.7
Colombia	328	10.1	10.9	55.5	12.0	11.6	55.5	0.3	5.8	5.5	59.4	51.5
Cyprus	378	4.5	8.1	83.1	3.3	1.0	83.1	0.3	0.2	0.5	84.7	81.6
Czech Republic	418	0.8	0.5	98.3	0.3	0.1	98.3	0.1	0.0	0.0	97.7	98.9
Denmark	294	1.5	2.7	92.5	0.7	2.6	92.5	0.0	0.0	2.6	91.4	94.3
England	215	1.4	1.3	94.6	1.7	1.0	94.6	0.0	0.0	1.0	94.9	94.3
France	385	1.4	2.4	92.4	1.1	2.7	92.4	0.8	0.0	1.9	89.4	95.1
Germany	371	0.9	0.8	92.3	1.2	4.8	92.3	0.4	0.2	4.2	95.4	88.9
Greece	504	2.6	5.4	85.5	2.4	4.1	85.5	1.6	0.2	2.3	84.9	86.2
Hong Kong	414	3.0	3.3	89.5	2.9	1.3	89.5	0.0	1.0	0.3	90.6	89.0
Hungary	380	1.6	1.8	92.7	1.5	2.4	92.7	0.0	0.4	2.0	93.3	91.9
Iceland	216	3.3	7.0	83.5	5.0	1.2	83.5	0.4	0.0	0.8	85.3	81.6
Iran, Islamic Rep.	461	1.4	2.0	94.5	0.7	1.3	94.5	0.0	1.1	0.2	95.2	95.1
Ireland	385	1.1	2.7	93.6	0.9	1.8	93.6	1.8	0.0	0.0	95.5	91.5
Israel	186	1.7	1.5	91.3	2.9	2.6	91.3	0.0	1.5	1.1	90.4	91.5
Japan	645	1.1	2.0	96.2	0.6	0.0	96.2	0.0	0.0	0.0	97.6	94.9
Korea	365	0.5	1.6	97.4	0.5	0.0	97.4	0.0	0.0	0.0	97.7	97.1
Kuwait	218	1.6	14.3	78.5	3.2	2.5	78.5	0.0	1.0	1.5	87.7	69.5
Latvia (LSS)	300	1.0	1.3	96.3	0.3	1.1	96.3	0.0	0.3	0.8	96.3	96.2
Lithuania	315	0.9	1.9	91.4	0.0	5.8	91.4	0.0	0.5	5.3	95.4	86.5
Netherlands	252	1.7	1.3	90.5	5.3	1.2	90.5	0.0	0.9	0.3	90.5	91.0
New Zealand	457	1.8	1.8	94.1	1.2	1.1	94.1	0.4	0.0	0.7	95.9	92.4
Norway	408	2.4	2.6	92.0	1.8	1.2	92.0	0.0	0.0	1.2	94.1	89.9
Philippines	754	4.6	11.9	78.1	5.2	0.1	78.1	0.0	0.0	0.1	78.5	77.7
Portugal	420	1.5	1.6	94.3	0.5	2.0	94.3	0.0	0.0	2.0	96.9	92.0
Romania	463	2.5	4.5	85.2	0.9	6.9	85.2	2.9	1.0	3.0	85.0	85.3
Russian Federation	515	0.3	1.8	95.2	1.1	1.5	95.2	0.1	0.9	0.6	97.3	92.8
Scotland	346	1.5	1.0	94.4	1.9	1.2	94.4	1.2	0.0	0.0	95.1	93.7
Singapore	565	0.7	1.8	95.5	1.9	0.1	95.5	0.0	0.0	0.1	95.8	95.1
Slovak Republic	438	1.5	1.9	91.6	3.4	1.5	91.6	0.8	0.0	0.7	93.6	89.7
Slovenia	354	2.1	1.9	88.7	6.6	0.9	88.7	0.3	0.0	0.5	92.0	85.0
South Africa	568	12.1	19.7	53.1	11.1	4.0	53.1	0.5	1.0	2.5	50.6	55.6
Spain	480	1.3	1.7	93.4	2.3	1.3	93.4	0.0	0.2	1.1	94.2	92.6
Sweden	510	1.7	5.4	89.3	2.7	0.8	89.3	0.2	0.0	0.6	90.4	88.6
Switzerland	589	1.1	2.5	94.8	0.4	1.3	94.8	0.4	0.2	0.6	97.8	91.9
Thailand	738	1.7	1.2	95.6	0.8	0.8	95.6	0.0	0.6	0.2	95.5	95.5
United States	875	0.8	2.9	93.4	1.7	1.2	93.4	0.0	0.2	1.0	95.0	91.7
INTERNATIONAL AVG	.	2.0	3.6	90.1	2.4	1.9	90.1	0.3	0.5	1.1	91.2	89.0

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: L14 KEY: E
 Identify missing numbers in table of proportional x and y values. (Proportionality)
 Difficulty: 693

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	902	7.1	18.5	29.6	16.1	22.3	6.5	22.3	0.0	0.8	5.6	23.5	21.1
Austria	329	3.9	16.0	34.9	16.7	18.0	10.6	18.0	1.4	0.0	9.1	16.3	20.1
Belgium (Fl)	372	3.3	14.0	26.3	15.6	32.9	7.9	32.9	0.0	0.3	7.5	32.7	33.1
Belgium (Fr)	319	5.4	10.6	25.5	15.9	19.0	23.6	19.0	0.4	0.0	23.2	17.2	21.0
Bulgaria	168	5.1	9.3	17.5	9.5	44.1	14.5	44.1	0.0	1.3	13.1	50.7	34.7
Canada	1046	4.7	19.6	29.9	17.2	25.7	2.9	25.7	0.1	0.1	2.7	21.9	29.2
Colombia	328	6.4	17.1	28.0	14.6	11.4	22.4	11.4	0.0	6.1	16.4	7.4	15.4
Cyprus	378	6.3	18.1	28.4	17.8	23.8	5.6	23.8	0.0	0.2	5.3	22.0	25.4
Czech Republic	418	3.2	14.1	24.4	16.1	30.0	12.2	30.0	0.9	0.0	11.3	20.6	38.3
Denmark	294	3.0	15.1	23.1	11.9	13.0	33.8	13.0	0.5	0.4	32.9	10.3	16.6
England	215	4.0	21.6	38.9	14.0	18.4	3.1	18.4	0.0	0.0	3.1	15.6	21.4
France	385	2.8	11.5	26.4	18.9	33.3	7.1	33.3	0.3	0.0	6.8	32.0	33.3
Germany	371	6.6	12.4	29.4	11.5	18.0	22.2	18.0	0.6	1.0	20.6	16.1	20.2
Greece	504	7.2	13.7	25.3	16.1	30.3	7.3	30.3	0.4	0.4	6.5	31.4	29.1
Hong Kong	415	3.6	13.5	28.2	15.1	37.8	1.7	37.8	0.0	1.0	0.7	39.3	36.8
Hungary	380	3.7	11.9	28.7	17.1	23.8	14.8	23.8	0.0	0.4	14.4	22.1	25.8
Iceland	216	6.6	25.2	29.5	16.1	14.1	8.5	14.1	0.0	0.0	8.5	15.1	13.1
Iran, Islamic Rep.	461	4.9	16.0	23.5	16.3	31.3	8.1	31.3	0.0	1.1	7.0	38.5	26.4
Ireland	385	7.8	19.4	24.6	17.4	24.6	6.1	24.6	0.3	0.0	5.8	22.3	27.1
Israel	186	7.5	17.0	28.3	15.4	17.2	14.6	17.2	0.0	2.0	12.5	14.8	20.5
Japan	645	3.3	14.3	10.8	22.4	48.6	0.6	48.6	0.0	0.0	0.6	48.9	48.3
Korea	365	2.1	13.5	26.4	16.7	41.0	0.2	41.0	0.0	0.0	0.2	36.6	44.9
Kuwait	218	8.8	13.5	34.8	19.8	15.2	8.0	15.2	0.0	2.1	5.9	16.9	13.7
Latvia (LSS)	300	4.0	19.9	22.9	14.0	20.5	18.8	20.5	0.0	0.7	18.0	20.0	21.3
Lithuania	315	10.1	10.6	19.0	8.1	14.3	37.9	14.3	0.0	0.9	37.0	15.9	12.3
Netherlands	252	7.5	14.7	24.0	20.2	29.1	4.5	29.1	0.0	0.9	3.6	25.8	33.1
New Zealand	457	5.9	22.9	32.7	16.3	19.0	3.2	19.0	0.4	0.0	2.8	18.2	19.7
Norway	408	5.9	21.9	28.6	17.9	15.4	10.3	15.4	0.0	0.0	10.3	17.0	13.9
Philippines	754	12.3	19.5	33.2	14.6	19.8	0.7	19.8	0.0	0.0	0.7	19.1	20.5
Portugal	420	7.1	15.3	30.6	17.8	21.1	8.1	21.1	0.0	0.0	8.1	24.3	18.3
Romania	464	7.7	13.0	14.5	18.2	29.1	17.6	29.1	1.5	1.3	14.8	28.8	29.3
Russian Federation	515	5.4	10.2	22.9	18.3	27.1	16.1	27.1	0.0	0.9	15.3	27.1	27.2
Scotland	346	6.1	26.7	34.2	12.1	15.2	5.6	15.2	0.0	0.0	5.6	15.8	15.0
Singapore	565	3.2	10.9	19.7	16.8	46.6	2.9	46.6	0.0	0.0	2.9	44.3	48.8
Slovak Republic	440	5.6	12.3	28.8	15.1	27.4	10.7	27.4	0.8	0.2	9.7	23.3	31.3
Slovenia	354	4.6	13.2	31.7	12.8	24.1	13.7	24.1	0.6	0.0	13.1	21.3	27.2
South Africa	568	13.0	21.4	28.5	20.4	12.8	3.8	12.8	0.7	1.0	2.2	12.5	13.5
Spain	480	6.8	17.9	33.3	20.4	10.3	11.3	10.3	0.0	0.2	11.1	7.2	13.4
Sweden	509	6.0	19.6	32.3	19.0	14.0	9.1	14.0	0.0	0.0	9.1	15.0	13.0
Switzerland	589	4.3	13.6	28.9	13.5	29.0	10.5	29.0	0.3	0.2	10.0	33.5	25.0
Thailand	738	3.8	19.1	17.0	17.4	39.4	3.3	39.4	0.0	0.6	2.7	41.1	37.1
United States	875	5.6	19.6	33.5	17.0	20.1	4.2	20.1	0.1	0.2	3.9	22.0	18.1
INTERNATIONAL AVG	.	5.8	16.2	27.1	16.1	24.5	10.3	24.5	0.2	0.6	9.5	23.9	25.1

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: L15 KEY: A
 Find fourth quadrilateral angle, given the other three. (Geometry)
 Difficulty: 623

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	902	44.8	14.1	3.9	1.8	33.4	2.0	44.8	0.0	0.8	1.2	45.8	43.8
Austria	329	44.4	11.3	2.4	1.8	38.3	1.8	44.4	0.7	0.2	0.9	45.2	43.8
Belgium (Fl)	372	58.4	14.4	2.9	1.0	23.0	0.3	58.4	0.0	0.3	0.0	61.5	55.3
Belgium (Fr)	319	52.9	14.5	1.9	1.1	27.6	2.1	52.9	0.0	0.6	1.5	43.1	65.0
Bulgaria	168	64.1	4.3	3.3	2.6	22.4	3.3	64.1	0.0	1.3	1.9	70.1	55.7
Canada	1046	34.3	20.5	2.5	2.1	39.5	1.1	34.3	0.4	0.1	0.6	32.2	37.1
Colombia	328	12.7	28.9	6.8	4.5	34.8	12.2	12.7	0.0	7.5	4.7	12.9	11.2
Cyprus	378	39.3	15.5	8.6	7.0	28.0	1.7	39.3	0.0	0.2	1.5	36.0	42.2
Czech Republic	418	47.7	10.5	2.4	2.5	35.3	1.7	47.7	0.0	0.4	1.3	46.3	48.8
Denmark	294	32.4	9.9	5.2	2.9	45.2	4.3	32.4	0.0	1.1	3.2	28.5	36.9
England	215	38.1	19.5	5.8	1.6	34.1	0.9	38.1	0.0	0.0	0.9	35.3	41.0
France	385	39.1	16.8	0.9	1.1	40.0	2.1	39.1	0.0	0.0	2.1	36.2	42.1
Germany	371	39.3	14.1	2.2	2.6	36.2	5.6	39.3	0.7	1.8	3.1	38.5	41.3
Greece	504	37.2	13.8	3.5	1.7	41.5	2.4	37.2	0.3	0.4	1.6	30.0	44.4
Hong Kong	415	64.1	8.9	1.9	3.5	19.9	1.7	64.1	0.3	1.0	0.5	60.0	68.0
Hungary	380	34.8	9.2	3.0	1.7	48.4	3.0	34.8	0.0	0.7	2.3	37.3	31.7
Iceland	216	48.5	13.3	3.3	4.6	29.6	0.8	48.5	0.0	0.0	0.8	52.6	44.3
Iran, Islamic Rep.	461	29.5	26.0	5.6	3.0	33.9	2.0	29.5	0.2	1.1	0.6	24.6	33.9
Ireland	385	41.5	12.1	2.0	2.9	40.0	1.4	41.5	0.0	0.2	1.2	40.9	42.2
Israel	186	52.6	14.3	0.5	2.4	25.9	4.3	52.6	0.0	3.0	1.3	51.9	53.4
Japan	645	53.9	5.9	1.4	2.5	36.3	0.0	53.9	0.0	0.0	0.0	55.4	52.3
Korea	365	59.9	7.4	1.6	1.2	29.8	0.0	59.9	0.0	0.0	0.0	54.5	64.7
Kuwait	218	41.8	26.8	3.2	5.0	20.6	2.6	41.8	0.0	2.1	0.5	51.8	32.1
Latvia (LSS)	299	40.6	19.3	3.5	1.8	30.9	3.9	40.6	0.0	1.0	2.9	42.8	38.4
Lithuania	315	29.9	21.7	4.8	0.5	36.6	6.5	29.9	0.2	2.1	4.2	34.9	23.7
Netherlands	252	38.2	27.2	1.2	1.8	29.9	1.7	38.2	0.0	1.2	0.5	35.4	41.3
New Zealand	457	34.6	18.6	3.9	2.9	38.7	1.4	34.6	0.0	0.0	1.4	31.3	37.6
Norway	408	37.0	21.1	3.2	3.5	33.3	2.0	37.0	0.0	0.2	1.7	34.2	39.8
Philippines	754	16.6	20.0	8.8	7.0	47.5	0.1	16.6	0.0	0.0	0.1	17.7	15.2
Portugal	420	23.2	20.5	8.7	3.7	39.5	4.3	23.2	0.0	0.2	4.1	21.8	24.5
Romania	464	50.3	8.1	2.6	3.5	29.1	6.3	50.3	1.1	2.3	2.8	46.0	53.7
Russian Federation	515	44.0	25.3	3.8	1.1	22.6	3.2	44.0	0.0	1.5	1.7	44.4	43.6
Scotland	346	38.4	14.4	5.8	2.8	37.1	1.5	38.4	0.3	0.2	1.0	35.4	41.4
Singapore	565	63.1	5.3	1.4	0.9	28.9	0.3	63.1	0.0	0.0	0.3	64.7	61.4
Slovak Republic	440	41.0	13.0	2.7	2.8	39.7	0.8	41.0	0.2	0.4	0.2	43.1	39.1
Slovenia	354	46.1	12.5	6.1	1.8	31.9	1.6	46.1	0.3	0.0	1.3	44.4	48.3
South Africa	568	12.3	29.1	16.2	10.3	29.1	3.0	12.3	0.2	1.2	1.6	11.5	13.4
Spain	480	23.7	35.2	4.9	3.2	30.8	2.3	23.7	0.0	0.6	1.7	23.7	23.6
Sweden	509	32.5	19.6	2.8	4.5	38.9	1.7	32.5	0.0	0.2	1.5	34.0	31.0
Switzerland	589	40.3	15.8	3.7	0.5	36.9	2.9	40.3	0.0	1.1	1.8	39.8	40.8
Thailand	738	37.9	9.0	1.5	1.9	48.4	1.2	37.9	0.1	0.7	0.4	38.3	38.3
United States	875	22.2	23.2	5.7	2.8	44.5	1.8	22.2	0.0	0.2	1.6	20.9	23.6
INTERNATIONAL AVG	.	40.1	16.4	4.0	2.8	34.2	2.5	40.1	0.1	0.9	1.5	39.4	40.7

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: L16
 Simplify and solve linear equation for X. (Algebra)
 Difficulty: 615

COUNTRY	N	10	70	71	72	79	90	99	V1	NOT	1.GIRL	2.BOY	
										REACH			ED	% Right	% Right
Australia	902	33.5	4.6	17.8	12.0	2.1	6.5	23.4	33.5	1.0	22.4	36.5	30.6
Austria	329	67.3	2.9	11.8	7.4	0.6	3.4	6.7	67.3	0.2	6.4	70.0	65.0
Belgium (Fl)	372	47.3	3.8	16.9	8.2	9.6	1.3	13.0	47.3	0.3	12.7	51.3	43.2
Belgium (Fr)	319	41.3	0.0	0.0	0.0	33.1	0.0	25.5	41.3	0.6	24.9	46.9	36.2
Bulgaria	168	77.0	4.7	1.8	0.0	7.0	0.0	9.4	77.0	1.3	8.1	75.4	79.4
Canada	1046	26.9	3.4	35.2	8.7	4.3	5.9	15.7	26.9	0.1	15.5	25.5	28.9
Colombia	328	6.8	2.3	5.5	36.8	1.6	0.5	46.4	6.8	8.1	38.4	5.8	7.3
Cyprus	378	56.5	1.3	16.6	0.9	4.8	0.8	19.2	56.5	0.2	18.9	63.7	50.2
Czech Republic	418	79.9	3.7	6.6	1.1	1.7	1.4	5.5	79.9	0.4	5.2	82.4	77.7
Denmark	294	40.6	3.8	9.7	19.4	2.1	2.9	21.5	40.6	1.1	20.3	38.5	44.0
England	215	21.5	8.1	34.1	10.3	2.3	9.9	13.7	21.5	0.0	13.7	19.9	23.1
France	385	50.8	3.0	18.5	8.8	2.0	0.6	16.3	50.8	0.0	16.3	50.1	52.9
Germany	370	42.5	4.1	11.4	6.3	4.4	2.6	28.8	42.5	1.8	27.0	42.7	43.7
Greece	504	42.6	5.3	21.4	4.8	1.2	2.7	22.0	42.6	0.7	21.3	47.6	37.7
Hong Kong	415	71.2	3.2	14.9	1.3	0.0	1.5	8.0	71.2	1.0	7.0	73.1	69.8
Hungary	380	72.0	5.9	11.1	1.3	0.8	0.2	8.6	72.0	0.9	7.7	77.3	65.8
Iceland	216	14.9	5.8	32.7	17.6	1.4	7.2	20.4	14.9	0.0	20.4	9.3	20.6
Iran, Islamic Rep.	461	22.1	6.4	6.9	21.4	14.9	0.4	27.9	22.1	1.1	26.8	22.7	20.8
Ireland	385	43.9	3.7	20.9	13.6	3.3	3.0	11.5	43.9	0.2	11.3	47.2	40.4
Israel	186	68.6	5.1	5.9	1.3	3.8	0.7	14.6	68.6	3.0	11.5	68.9	66.3
Japan	645	85.7	2.3	6.4	0.3	2.2	0.7	2.3	85.7	0.0	2.3	89.2	82.4
Korea	365	74.9	2.3	6.3	3.2	6.8	0.0	6.5	74.9	0.0	6.5	74.8	75.0
Kuwait	218	3.1	3.1	13.7	13.6	24.6	2.3	39.7	3.1	2.1	37.6	4.7	1.5
Latvia (LSS)	300	58.2	5.3	11.1	8.7	2.4	1.9	12.4	58.2	1.0	11.4	60.3	55.3
Lithuania	315	56.3	3.6	9.9	2.9	4.5	0.3	22.5	56.3	2.4	20.1	65.3	45.2
Netherlands	252	21.0	3.2	16.6	12.7	11.5	20.6	14.4	21.0	1.2	13.1	17.3	25.3
New Zealand	456	19.3	2.8	26.7	16.5	8.5	2.3	24.0	19.3	0.0	24.0	18.4	20.1
Norway	408	38.6	6.2	21.1	12.5	2.1	5.9	13.6	38.6	0.2	13.4	45.8	31.7
Philippines	754	11.3	4.2	26.5	24.9	9.8	2.9	20.3	11.3	0.0	20.3	11.1	11.4
Portugal	420	30.1	6.2	19.4	10.1	3.5	1.7	29.0	30.1	0.6	28.3	33.0	27.4
Romania	464	66.7	3.8	2.6	1.2	9.4	0.0	16.3	66.7	2.3	13.9	67.0	66.5
Russian Federation	515	79.0	5.1	6.8	2.1	1.5	0.4	5.2	79.0	1.5	3.7	81.8	75.8
Scotland	346	24.6	5.5	14.6	15.8	9.0	3.8	26.7	24.6	0.2	26.4	21.5	27.5
Singapore	565	78.8	6.0	6.7	1.4	2.7	0.2	4.2	78.8	0.0	4.2	77.8	79.9
Slovak Republic	440	74.0	4.5	4.7	3.3	2.3	1.0	10.3	74.0	0.4	9.9	78.4	69.7
Slovenia	354	74.2	2.4	7.3	1.5	4.8	1.1	8.6	74.2	0.0	8.6	75.6	73.2
South Africa	568	5.3	0.5	27.1	41.7	10.4	0.4	14.6	5.3	1.7	12.9	5.8	4.9
Spain	480	66.6	5.9	11.8	0.9	1.5	1.7	11.6	66.6	0.6	11.0	66.4	66.7
Sweden	509	9.2	3.0	30.9	10.3	1.7	18.6	26.2	9.2	0.2	26.1	9.4	8.9
Switzerland	589	25.8	1.9	20.3	13.1	7.3	10.0	21.6	25.8	1.1	20.5	26.6	25.0
Thailand	738	40.6	3.3	34.1	2.7	2.2	1.8	15.4	40.6	0.7	14.7	39.9	41.7
United States	875	31.4	3.4	32.6	8.0	10.4	4.0	10.2	31.4	0.2	10.0	32.0	30.8
INTERNATIONAL AVG	.	45.3	3.9	15.6	9.3	5.7	3.2	17.0	45.3	0.9	16.1	46.6	44.0

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 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

Item: LI7 KEY: B
 Subtract three fractions. (Fractions and number sense)
 Difficulty: 571

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	902	8.8	48.8	12.7	20.6	6.0	3.1	48.8	0.0	1.3	1.7	51.7	46.0
Austria	329	6.5	60.4	5.0	21.6	2.6	3.9	60.4	0.0	0.2	3.7	61.1	59.0
Belgium (Fl)	372	3.3	78.1	3.8	9.0	4.9	0.9	78.1	0.0	0.3	0.5	82.8	73.5
Belgium (Fr)	319	6.3	56.6	9.0	15.0	4.3	8.7	56.6	1.7	1.5	5.5	57.4	55.1
Bulgaria	168	5.2	70.4	7.0	11.9	0.4	5.2	70.4	0.0	2.4	2.8	75.6	63.0
Canada	1046	8.4	56.0	12.1	17.9	4.8	0.8	56.0	0.0	0.1	0.7	58.1	54.8
Colombia	328	6.0	21.9	12.6	29.7	7.0	22.7	21.9	0.3	12.4	10.0	16.2	26.8
Cyprus	378	7.1	49.8	7.4	27.5	6.9	1.3	49.8	0.0	0.2	1.1	43.6	55.3
Czech Republic	418	7.4	70.0	1.6	16.9	2.3	1.8	70.0	0.3	0.4	1.2	71.8	68.4
Denmark	294	8.3	38.7	9.1	19.8	7.1	17.0	38.7	0.1	3.5	13.4	34.3	45.0
England	215	11.8	24.6	24.7	31.7	4.7	2.6	24.6	0.0	0.0	2.6	19.7	29.7
France	385	4.6	67.2	5.7	15.8	5.3	1.4	67.2	0.0	0.0	1.4	68.1	67.7
Germany	371	6.3	50.2	8.6	21.4	3.3	10.2	50.2	0.1	3.1	7.0	54.6	46.3
Greece	504	7.1	33.5	10.2	35.8	6.5	7.0	33.5	1.6	2.0	3.4	30.9	36.2
Hong Kong	415	4.2	78.1	5.0	5.5	5.0	2.2	78.1	0.5	1.0	0.7	77.8	78.8
Hungary	.	.	.	.	.	.	.	.	.	.	.	.	.
Iceland	216	13.4	27.7	25.9	23.3	5.4	4.3	27.7	0.0	0.0	4.3	22.1	33.3
Iran, Islamic Rep.	460	11.0	27.3	8.8	37.6	8.6	6.6	27.3	0.3	1.9	4.4	31.4	23.9
Ireland	385	6.3	52.1	5.7	23.0	10.4	2.6	52.1	1.6	0.4	0.6	54.3	49.8
Israel	185	5.0	61.0	5.2	15.1	5.6	8.2	61.0	0.0	3.5	4.7	54.3	66.4
Japan	645	3.9	79.7	3.2	10.1	2.7	0.4	79.7	0.0	0.0	0.4	83.3	76.1
Korea	365	5.6	78.1	4.9	8.3	2.8	0.2	78.1	0.0	0.0	0.2	77.7	78.5
Kuwait	218	15.9	24.2	18.5	25.7	9.8	6.0	24.2	0.0	2.7	3.3	15.3	32.8
Latvia (LSS)	300	7.7	55.3	3.8	23.6	5.7	3.9	55.3	0.0	1.6	2.4	58.3	51.4
Lithuania	314	5.9	54.4	6.0	14.4	7.6	11.7	54.4	0.2	4.9	6.5	68.6	37.0
Netherlands	252	9.7	51.3	8.9	20.3	7.1	2.7	51.3	0.0	1.6	1.1	46.1	57.0
New Zealand	457	11.5	41.0	18.3	19.5	7.3	2.3	41.0	0.0	0.5	1.9	39.4	42.4
Norway	408	11.0	36.1	12.6	31.7	5.1	3.4	36.1	0.0	0.5	3.0	42.6	29.9
Philippines	754	15.4	28.1	13.0	32.4	10.6	0.5	28.1	0.0	0.4	0.1	27.4	29.0
Portugal	420	9.9	20.3	11.8	46.2	5.4	6.3	20.3	0.0	1.4	4.9	21.1	19.6
Romania	464	5.2	58.4	5.1	14.0	5.3	12.0	58.4	1.3	3.6	7.2	59.4	57.6
Russian Federation	515	5.3	68.2	3.0	14.6	4.3	4.5	68.2	0.0	2.7	1.8	72.9	62.7
Scotland	346	10.8	25.0	20.4	29.0	10.0	4.9	25.0	0.3	1.0	3.5	21.6	28.1
Singapore	565	1.4	92.9	0.8	2.5	2.3	0.0	92.9	0.0	0.0	0.0	93.6	92.3
Slovak Republic	440	6.0	72.6	3.1	13.6	2.4	2.1	72.6	0.2	1.0	0.9	78.7	66.8
Slovenia	354	4.8	70.3	2.9	18.7	1.9	1.4	70.3	0.1	0.0	1.3	71.7	68.6
South Africa	568	11.2	19.8	12.8	38.4	14.1	3.7	19.8	0.3	1.7	1.7	17.4	21.8
Spain	480	8.2	33.1	6.5	44.3	1.9	6.1	33.1	0.0	1.0	5.1	34.5	31.7
Sweden	509	9.2	35.8	17.6	24.7	9.0	3.7	35.8	0.0	0.3	3.4	34.6	36.9
Switzerland	589	6.5	62.0	4.2	17.4	6.4	3.5	62.0	0.0	1.1	2.4	62.1	61.9
Thailand	738	8.4	52.4	7.2	20.1	6.5	5.4	52.4	0.0	1.4	4.0	54.2	50.1
United States	875	9.5	51.4	11.5	16.5	9.7	1.4	51.4	0.0	0.3	1.1	52.2	50.5
INTERNATIONAL AVG	.	7.8	50.8	9.2	21.6	5.8	4.8	50.8	0.2	1.5	3.1	51.2	50.3

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: M01 KEY: D
 Read mass shown on scale. (Measurement)
 Difficulty: 366

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	888	2.3	1.8	1.9	93.9	0.1	93.9	0.0	0.1	0.0	95.4	92.4
Austria	355	3.5	2.4	3.3	89.9	0.8	89.9	0.0	0.0	0.8	90.7	90.4
Belgium (Fl)	356	0.4	0.5	1.1	98.0	0.0	98.0	0.0	0.0	0.0	98.6	97.5
Belgium (Fr)	315	2.2	3.7	4.7	88.6	0.8	88.6	0.1	0.0	0.6	92.5	86.7
Bulgaria	163	3.2	1.5	6.9	87.4	1.1	87.4	0.5	0.4	0.2	88.3	86.1
Canada	1048	4.6	1.4	3.6	90.1	0.1	90.1	0.0	0.0	0.1	88.7	92.2
Colombia	330	23.5	4.5	12.7	57.9	1.4	57.9	0.3	0.5	0.6	56.2	59.8
Cyprus	381	12.1	5.8	9.9	72.0	0.2	72.0	0.0	0.0	0.2	77.3	67.4
Czech Republic	405	5.4	1.7	0.8	92.1	0.0	92.1	0.0	0.0	0.0	93.2	90.9
Denmark	288	2.8	3.0	4.7	88.1	1.4	88.1	0.0	0.0	1.4	83.6	92.7
England	224	3.7	1.6	1.0	93.7	0.0	93.7	0.0	0.0	0.0	94.0	93.4
France	372	3.2	1.8	0.7	94.1	0.2	94.1	0.0	0.0	0.2	92.5	95.0
Germany	360	2.3	0.5	2.3	94.5	0.5	94.5	0.3	0.0	0.2	93.4	96.2
Greece	503	8.8	2.5	2.5	86.0	0.2	86.0	0.0	0.0	0.2	83.7	88.2
Hong Kong	419	2.5	4.3	2.2	90.6	0.5	90.6	0.0	0.5	0.0	89.4	91.7
Hungary	358	4.3	0.5	2.7	92.1	0.4	92.1	0.0	0.4	0.0	90.5	93.7
Iceland	216	8.0	0.6	2.7	88.5	0.2	88.5	0.0	0.2	0.0	85.7	91.0
Iran, Islamic Rep.	458	20.3	2.1	6.5	70.7	0.4	70.7	0.0	0.0	0.4	65.5	75.0
Ireland	379	4.7	0.7	3.6	91.0	0.0	91.0	0.0	0.0	0.0	91.9	90.2
Israel	173	6.1	0.5	5.7	85.8	1.8	85.8	0.0	1.3	0.5	87.7	87.7
Japan	637	1.0	1.7	0.3	96.9	0.1	96.9	0.1	0.0	0.0	96.7	97.1
Korea	365	2.6	1.7	0.8	95.0	0.0	95.0	0.0	0.0	0.0	93.5	96.3
Kuwait	183	28.5	3.9	6.2	57.9	3.5	57.9	0.7	0.7	2.2	53.4	62.9
Latvia (LSS)	296	9.2	1.6	4.5	84.3	0.5	84.3	0.0	0.0	0.5	86.8	81.9
Lithuania	333	7.7	4.8	3.3	84.0	0.2	84.0	0.0	0.0	0.2	81.4	86.8
Netherlands	251	0.8	0.4	1.2	97.1	0.4	97.1	0.0	0.0	0.4	95.0	99.2
New Zealand	466	5.7	1.4	1.4	91.1	0.4	91.1	0.0	0.0	0.4	91.4	90.9
Norway	417	6.1	1.7	3.1	88.3	0.7	88.3	0.0	0.0	0.7	87.7	88.9
Philippines	749	26.3	6.1	8.3	59.0	0.3	59.0	0.0	0.1	0.1	59.3	58.7
Portugal	424	9.2	1.5	5.6	83.7	0.0	83.7	0.0	0.0	0.0	77.4	89.6
Romania	464	13.4	1.4	7.9	74.4	2.9	74.4	0.8	0.0	2.1	72.8	76.4
Russian Federation	500	5.3	1.2	0.6	92.2	0.7	92.2	0.0	0.0	0.7	91.7	92.9
Scotland	368	3.6	1.8	2.9	91.6	0.0	91.6	0.0	0.0	0.0	86.5	96.5
Singapore	568	0.9	1.4	1.5	96.2	0.0	96.2	0.0	0.0	0.0	95.7	96.6
Slovak Republic	442	8.4	1.4	1.8	88.4	0.0	88.4	0.0	0.0	0.0	86.6	90.3
Slovenia	344	3.7	0.3	0.9	94.7	0.5	94.7	0.0	0.0	0.5	94.2	95.2
South Africa	581	23.1	10.1	11.4	51.6	3.9	51.6	0.4	0.1	3.3	51.8	51.2
Spain	482	6.7	1.3	8.9	83.1	0.0	83.1	0.0	0.0	0.0	80.9	85.5
Sweden	520	4.0	1.1	1.6	91.6	1.6	91.6	0.0	0.4	1.3	91.6	91.5
Switzerland	608	2.1	0.1	1.1	96.7	0.0	96.7	0.0	0.0	0.0	94.5	98.9
Thailand	728	4.7	1.5	1.7	91.9	0.2	91.9	0.0	0.0	0.2	89.7	96.4
United States	876	4.6	3.3	5.2	86.5	0.3	86.5	0.0	0.1	0.2	84.9	88.2
INTERNATIONAL AVG	.	7.2	2.2	3.8	86.2	0.6	86.2	0.1	0.1	0.4	85.3	87.4

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: M02 KEY: A
 Identify all lines of symmetry for a rectangle. (Geometry)
 Difficulty: 499

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	888	68.6	2.5	7.0	21.0	0.9	68.6	0.0	0.1	0.8	71.7	65.4
Austria	355	56.8	3.3	2.2	36.1	1.5	56.8	0.0	0.0	1.5	58.8	55.4
Belgium (Fl)	356	77.6	3.8	2.4	15.0	1.1	77.6	0.0	0.0	1.1	79.9	75.7
Belgium (Fr)	315	80.5	0.3	0.3	16.2	2.8	80.5	0.9	0.2	1.6	80.2	82.3
Bulgaria	163	77.6	2.9	1.6	14.9	3.0	77.6	0.0	0.4	2.6	78.0	77.1
Canada	1048	76.2	1.6	3.8	17.5	1.0	76.2	0.2	0.0	0.7	73.0	79.2
Colombia	330	43.7	2.5	8.1	42.2	3.6	43.7	0.3	0.5	2.8	41.6	45.8
Cyprus	381	58.0	1.9	4.8	33.1	2.3	58.0	0.0	0.0	2.3	61.5	55.0
Czech Republic	405	74.4	1.2	0.5	22.4	1.5	74.4	0.8	0.0	0.6	75.5	73.2
Denmark	288	51.5	3.0	2.1	35.8	7.6	51.5	0.0	0.3	7.3	46.7	55.3
England	224	82.5	2.0	3.2	8.8	3.4	82.5	0.0	0.0	3.4	87.7	77.5
France	372	80.4	0.0	0.3	17.2	2.1	80.4	1.1	0.0	1.0	81.0	79.0
Germany	360	63.8	4.6	3.5	23.8	4.3	63.8	1.5	0.0	2.8	60.4	67.8
Greece	503	61.7	1.3	2.6	32.1	2.3	61.7	0.6	0.0	1.7	62.5	60.9
Hong Kong	419	73.4	2.2	5.8	17.4	1.2	73.4	0.0	0.5	0.8	75.5	71.5
Hungary	358	82.1	0.6	0.2	16.1	0.9	82.1	0.0	0.4	0.5	83.8	80.6
Iceland	216	55.0	3.6	2.5	37.8	1.2	55.0	0.0	0.2	1.0	60.3	49.9
Iran, Islamic Rep.	458	67.8	4.3	3.6	23.7	0.6	67.8	0.0	0.0	0.6	66.7	68.7
Ireland	379	64.0	2.1	5.8	26.6	1.5	64.0	0.2	0.0	1.2	60.1	67.6
Israel	173	76.1	1.0	2.3	12.8	7.8	76.1	0.0	1.3	6.5	76.4	75.5
Japan	637	77.0	2.8	1.6	16.9	1.7	77.0	1.7	0.0	0.0	77.8	76.2
Korea	365	57.6	4.9	0.3	36.9	0.3	57.6	0.0	0.0	0.3	56.0	59.1
Kuwait	183	61.0	6.1	3.6	26.9	2.5	61.0	0.7	0.7	1.1	63.4	58.3
Latvia (LSS)	296	49.7	0.6	3.1	42.2	4.5	49.7	0.0	0.0	4.5	49.4	50.2
Lithuania	333	58.4	0.5	1.4	33.3	6.5	58.4	0.3	0.0	6.2	61.3	55.2
Netherlands	251	71.8	0.4	3.4	21.4	3.0	71.8	0.0	0.0	3.0	69.4	74.7
New Zealand	466	79.6	1.0	3.3	14.8	1.3	79.6	0.7	0.0	0.6	85.5	74.7
Norway	417	42.4	2.9	7.2	44.1	3.3	42.4	0.0	0.0	3.3	42.9	41.9
Philippines	749	49.8	4.9	19.5	25.5	0.3	49.8	0.0	0.1	0.1	50.6	48.8
Portugal	424	44.0	1.2	7.6	44.8	2.4	44.0	0.0	0.0	2.4	43.9	44.2
Romania	464	46.4	2.7	4.2	35.8	10.8	46.4	5.3	0.0	5.5	46.8	46.0
Russian Federation	500	67.1	2.1	1.2	26.7	2.9	67.1	0.2	0.3	2.5	70.8	62.1
Scotland	368	86.0	2.9	2.8	7.4	0.9	86.0	0.9	0.0	0.0	84.4	88.0
Singapore	568	81.4	3.1	3.2	11.7	0.5	81.4	0.0	0.0	0.5	81.2	81.7
Slovak Republic	442	75.0	1.2	0.0	22.2	1.5	75.0	0.6	0.0	0.9	74.9	75.1
Slovenia	344	68.5	0.5	0.0	28.1	2.8	68.5	0.6	0.0	2.1	72.0	64.4
South Africa	581	28.7	15.2	18.2	31.6	6.3	28.7	0.3	0.1	5.9	28.0	30.2
Spain	482	50.8	1.2	4.4	41.9	1.7	50.8	0.0	0.0	1.7	51.8	49.6
Sweden	520	44.1	2.4	16.3	34.2	2.9	44.1	0.3	0.4	2.3	43.2	45.0
Switzerland	608	76.1	1.0	2.8	17.2	2.9	76.1	1.9	0.0	1.0	76.3	75.9
Thailand	728	79.8	4.1	2.5	13.1	0.6	79.8	0.0	0.0	0.6	81.1	77.4
United States	876	69.9	3.2	7.4	18.8	0.7	69.9	0.0	0.1	0.6	72.6	67.0
INTERNATIONAL AVG	.	65.2	2.6	4.2	25.4	2.6	65.2	0.5	0.1	2.0	65.8	64.5

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: M03 KEY: A
 Compare chance of picking a red marble from 3 sizes of marble bags. (Data Rep., Analysis & Prob.)
 Difficulty: 433

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	888	84.1	1.1	6.1	8.7	0.1	84.1	0.0	0.1	0.0	84.1	84.0
Austria	355	82.3	0.7	6.1	9.9	1.0	82.3	0.0	0.0	1.0	81.5	82.2
Belgium (Fl)	356	85.8	0.0	3.9	10.3	0.0	85.8	0.0	0.0	0.0	86.6	85.1
Belgium (Fr)	315	85.5	1.2	5.5	7.4	0.5	85.5	0.3	0.2	0.0	83.9	87.8
Bulgaria	163	85.5	1.2	4.1	8.1	1.2	85.5	0.4	0.8	0.0	84.0	87.4
Canada	1048	89.8	0.5	3.5	5.9	0.2	89.8	0.1	0.0	0.1	89.6	90.4
Colombia	330	46.8	2.6	10.6	38.1	1.8	46.8	0.8	0.5	0.5	43.7	48.8
Cyprus	381	68.4	4.0	12.7	14.3	0.7	68.4	0.0	0.0	0.7	70.6	65.9
Czech Republic	405	76.3	0.2	3.4	18.8	1.3	76.3	1.0	0.0	0.3	75.0	77.6
Denmark	288	82.9	0.7	3.5	11.1	1.7	82.9	0.0	0.3	1.4	83.8	82.5
England	224	86.0	0.9	5.4	7.6	0.0	86.0	0.0	0.0	0.0	83.7	88.3
France	372	81.5	0.0	2.0	16.0	0.5	81.5	0.3	0.0	0.2	77.2	86.7
Germany	360	83.0	1.3	1.4	13.9	0.4	83.0	0.1	0.0	0.2	79.5	87.5
Greece	502	71.3	3.1	12.4	13.2	0.0	71.3	0.0	0.0	0.0	72.0	70.7
Hong Kong	420	89.3	1.3	2.6	6.4	0.5	89.3	0.0	0.5	0.0	86.7	91.7
Hungary	358	82.0	0.6	2.9	13.9	0.6	82.0	0.0	0.4	0.3	80.0	83.8
Iceland	216	76.9	6.2	3.9	11.9	1.0	76.9	0.0	0.2	0.8	76.0	77.8
Iran, Islamic Rep.	458	37.2	3.5	12.7	45.8	0.9	37.2	0.0	0.0	0.9	32.3	41.1
Ireland	379	81.5	1.5	3.7	13.3	0.0	81.5	0.0	0.0	0.0	84.1	79.2
Israel	173	77.3	2.2	9.0	9.1	2.3	77.3	0.0	1.3	1.1	78.0	76.5
Japan	637	82.8	2.1	4.0	11.0	0.1	82.8	0.1	0.0	0.0	81.7	83.8
Korea	365	91.0	0.3	3.6	5.1	0.0	91.0	0.0	0.0	0.0	88.4	93.2
Kuwait	183	53.4	4.8	13.7	25.2	3.0	53.4	0.7	0.7	1.7	50.1	57.0
Latvia (LSS)	296	60.2	2.7	11.8	24.7	0.6	60.2	0.0	0.0	0.6	56.8	63.1
Lithuania	333	68.3	1.1	9.3	19.0	2.3	68.3	0.4	0.5	1.4	76.1	59.9
Netherlands	251	91.3	0.4	1.5	6.3	0.4	91.3	0.0	0.0	0.4	90.9	91.4
New Zealand	466	82.2	0.2	7.8	9.4	0.4	82.2	0.0	0.0	0.4	80.3	83.8
Norway	417	84.5	1.3	4.5	8.9	0.8	84.5	0.0	0.0	0.8	83.3	85.7
Philippines	749	40.9	7.5	30.4	21.1	0.1	40.9	0.0	0.1	0.0	43.4	37.7
Portugal	424	67.2	0.5	4.7	27.2	0.5	67.2	0.0	0.0	0.5	60.4	73.7
Romania	465	52.1	2.9	6.2	34.7	4.1	52.1	1.9	0.0	2.3	50.5	54.2
Russian Federation	500	70.4	1.1	4.5	22.4	1.5	70.4	0.6	0.3	0.7	69.9	71.2
Scotland	368	82.1	0.4	6.8	10.7	0.0	82.1	0.0	0.0	0.0	77.8	86.7
Singapore	568	81.3	0.9	5.6	12.0	0.2	81.3	0.0	0.0	0.2	82.9	79.5
Slovak Republic	442	69.7	0.7	6.1	22.9	0.6	69.7	0.4	0.0	0.2	69.7	69.7
Slovenia	345	85.4	0.0	2.0	12.1	0.5	85.4	0.0	0.0	0.5	85.9	84.7
South Africa	581	27.8	6.8	39.3	24.1	2.1	27.8	0.0	0.1	2.0	26.6	28.8
Spain	482	82.8	0.3	4.6	12.2	0.0	82.8	0.0	0.0	0.0	84.9	80.5
Sweden	520	81.3	0.4	3.9	12.3	2.2	81.3	0.3	0.4	1.5	76.6	86.3
Switzerland	608	86.5	0.8	4.5	8.2	0.0	86.5	0.0	0.0	0.0	86.5	86.4
Thailand	728	76.3	0.8	7.0	15.7	0.2	76.3	0.0	0.0	0.2	78.4	73.8
United States	876	85.8	1.6	6.0	6.4	0.3	85.8	0.0	0.1	0.2	86.3	85.2
INTERNATIONAL AVG	.	75.2	1.7	7.2	15.1	0.8	75.2	0.2	0.2	0.5	74.3	76.0

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: M04 KEY: A
 Identify the largest fraction. (Fractions and number sense)
 Difficulty: 615

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	888	42.9	35.7	3.2	17.9	0.3	42.9	0.0	0.1	0.2	35.9	49.7
Austria	355	42.6	39.5	3.0	13.3	1.6	42.6	0.0	0.0	1.6	31.9	52.6
Belgium (Fl)	356	53.1	36.5	7.0	3.4	0.0	53.1	0.0	0.0	0.0	50.4	55.4
Belgium (Fr)	315	48.1	29.5	6.6	13.8	2.0	48.1	0.0	0.2	1.9	39.2	55.7
Bulgaria	163	52.9	20.9	2.7	20.1	3.4	52.9	0.0	0.8	2.7	50.9	55.6
Canada	1048	56.8	24.0	2.1	16.1	0.9	56.8	0.0	0.0	0.9	54.2	59.9
Colombia	330	7.3	8.4	2.9	76.8	4.6	7.3	2.5	0.5	1.6	8.7	6.0
Cyprus	381	38.5	38.1	4.6	17.9	0.9	38.5	0.0	0.0	0.9	38.3	38.9
Czech Republic	405	38.8	29.6	5.5	24.6	1.5	38.8	0.3	0.0	1.1	33.2	44.5
Denmark	288	28.8	35.5	6.9	25.8	3.1	28.8	0.0	0.3	2.8	20.4	36.8
England	224	36.1	28.0	2.6	32.9	0.4	36.1	0.0	0.0	0.4	31.4	40.5
France	372	50.3	24.4	7.6	16.6	1.1	50.3	0.0	0.0	1.1	53.8	47.6
Germany	360	36.8	40.6	1.4	19.4	1.8	36.8	0.6	0.0	1.1	28.2	46.3
Greece	502	25.9	40.0	3.4	29.5	1.2	25.9	0.3	0.0	0.9	21.3	30.1
Hong Kong	420	59.5	29.5	3.0	7.6	0.5	59.5	0.0	0.5	0.0	54.3	64.1
Hungary	358	49.2	24.6	6.2	18.0	2.1	49.2	0.0	0.4	1.8	49.4	49.0
Iceland	216	28.6	49.6	8.5	12.3	1.0	28.6	0.0	0.2	0.8	25.7	31.3
Iran, Islamic Rep.	458	9.9	25.5	1.6	61.7	1.3	9.9	0.0	0.0	1.3	5.7	13.2
Ireland	379	48.3	38.1	2.9	9.6	1.1	48.3	0.5	0.0	0.5	37.2	58.4
Israel	173	45.6	38.8	2.6	10.2	2.8	45.6	0.0	1.3	1.5	35.1	58.9
Japan	637	59.6	23.9	5.4	10.9	0.1	59.6	0.1	0.0	0.0	56.5	62.6
Korea	365	68.9	16.9	3.4	10.9	0.0	68.9	0.0	0.0	0.0	62.7	74.3
Kuwait	183	14.6	26.6	2.7	44.2	11.8	14.6	0.0	0.7	11.1	7.0	23.2
Latvia (LSS)	296	23.0	44.3	5.4	25.0	2.4	23.0	0.0	0.0	2.4	18.6	27.2
Lithuania	333	28.2	28.0	5.7	34.5	3.6	28.2	0.3	0.8	2.4	31.1	24.9
Netherlands	251	41.2	38.8	6.9	12.0	1.1	41.2	0.0	0.0	1.1	34.7	47.2
New Zealand	466	46.5	32.3	3.0	16.3	2.0	46.5	0.9	0.0	1.0	37.7	53.9
Norway	417	38.7	30.4	5.1	23.2	2.5	38.7	0.0	0.0	2.5	36.3	41.2
Philippines	749	16.3	38.5	4.3	40.7	0.3	16.3	0.0	0.1	0.1	14.9	18.0
Portugal	424	19.8	29.6	7.9	41.6	1.1	19.8	0.0	0.0	1.1	20.6	19.0
Romania	465	33.3	20.0	6.2	35.5	5.0	33.3	1.6	0.0	3.5	32.6	34.0
Russian Federation	500	36.7	33.4	5.8	23.4	0.7	36.7	0.0	0.3	0.5	41.6	30.1
Scotland	368	34.3	40.1	1.7	23.3	0.6	34.3	0.0	0.0	0.6	30.1	38.6
Singapore	568	76.1	18.4	2.2	3.3	0.0	76.1	0.0	0.0	0.0	76.0	76.3
Slovak Republic	442	45.0	22.3	3.7	27.4	1.6	45.0	0.4	0.0	1.2	45.3	44.7
Slovenia	345	41.8	29.9	5.5	21.3	1.5	41.8	0.4	0.0	1.1	44.3	38.9
South Africa	581	7.7	30.9	4.3	54.3	2.8	7.7	0.4	0.1	2.3	6.3	8.7
Spain	482	24.1	25.4	4.1	45.1	1.4	24.1	0.0	0.0	1.4	21.2	27.2
Sweden	520	49.4	30.6	3.4	14.0	2.7	49.4	0.2	0.4	2.2	48.0	50.7
Switzerland	608	55.6	25.7	5.8	11.9	1.0	55.6	0.4	0.0	0.6	52.6	58.6
Thailand	728	33.6	36.1	5.7	23.6	1.0	33.6	0.0	0.0	1.0	34.2	33.1
United States	876	39.4	33.9	3.9	20.6	2.2	39.4	0.0	0.1	2.1	39.1	39.6
INTERNATIONAL AVG	.	38.9	30.8	4.4	24.1	1.8	38.9	0.2	0.2	1.5	35.6	42.1

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: M05 KEY: D
 Find diagram resulting from rotation of a 2-dimensional figure. (Geometry)
 Difficulty: 565

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	888	11.3	13.0	19.7	43.1	10.0	2.9	43.1	0.0	0.1	2.8	40.4	45.7
Austria	.	.	.	.	.	.	.	.	.	.	.	.	.
Belgium (Fl)	356	10.1	15.2	9.5	54.1	8.5	2.6	54.1	0.0	0.0	2.6	51.7	56.2
Belgium (Fr)	315	3.8	10.4	3.4	62.9	14.7	4.8	62.9	0.0	0.2	4.6	55.1	68.5
Bulgaria	163	9.8	6.4	9.1	68.1	3.4	3.2	68.1	0.9	0.8	1.4	68.1	68.2
Canada	1048	6.6	12.1	13.1	56.2	11.5	0.4	56.2	0.0	0.0	0.4	55.9	57.7
Colombia	330	12.5	19.5	18.4	27.5	15.0	7.1	27.5	4.6	0.5	2.1	26.6	28.5
Cyprus	381	15.4	18.8	19.7	29.1	13.4	3.6	29.1	0.5	0.0	3.1	29.1	28.5
Czech Republic	405	11.6	9.3	3.9	65.2	9.4	0.5	65.2	0.2	0.0	0.2	58.6	72.0
Denmark	288	7.9	9.5	4.0	61.4	10.2	6.9	61.4	0.3	0.3	6.4	53.3	69.0
England	224	5.0	12.4	13.1	56.5	8.7	4.4	56.5	0.0	0.0	4.4	53.0	59.9
France	372	10.4	8.5	1.6	65.9	11.4	2.3	65.9	0.6	0.0	1.7	62.6	70.0
Germany	360	10.8	15.3	9.9	50.0	5.4	8.6	50.0	0.7	0.0	7.8	46.0	54.2
Greece	502	7.3	11.5	16.0	50.5	11.6	3.2	50.5	0.3	0.0	3.0	47.7	53.1
Hong Kong	420	3.5	3.6	5.1	73.3	13.8	0.7	73.3	0.0	0.5	0.2	69.3	77.0
Hungary	358	3.6	8.7	5.9	67.3	12.2	2.2	67.3	0.0	0.4	1.9	63.6	70.8
Iceland	216	2.3	10.5	5.1	64.8	11.5	5.9	64.8	1.3	0.2	4.3	59.4	69.8
Iran, Islamic Rep.	458	13.4	19.7	15.4	40.8	9.0	1.6	40.8	0.5	0.0	1.1	32.1	47.7
Ireland	379	11.1	15.4	21.3	38.5	12.4	1.3	38.5	0.2	0.0	1.1	34.4	42.3
Israel	173	12.4	9.3	3.2	55.1	14.5	5.5	55.1	0.0	1.3	4.2	49.4	64.2
Japan	637	5.4	5.5	1.2	82.8	4.3	0.7	82.8	0.6	0.0	0.1	78.8	86.7
Korea	365	14.9	14.2	2.3	60.9	7.7	0.0	60.9	0.0	0.0	0.0	53.9	67.2
Kuwait	183	9.8	14.0	12.0	42.1	19.0	3.1	42.1	0.0	0.7	2.4	42.8	41.3
Latvia (LSS)	295	9.9	12.0	10.3	56.9	7.1	3.8	56.9	0.0	0.0	3.8	52.6	61.2
Lithuania	333	6.9	9.5	10.4	52.6	13.2	7.4	52.6	0.3	0.8	6.2	52.0	53.3
Netherlands	251	3.6	12.1	1.6	69.7	10.7	2.2	69.7	0.0	0.0	2.2	66.2	72.8
New Zealand	466	6.8	14.5	15.3	52.4	9.8	1.2	52.4	0.6	0.0	0.6	51.2	53.4
Norway	417	8.4	16.8	7.3	55.7	9.0	2.8	55.7	0.0	0.0	2.8	55.6	55.7
Philippines	749	21.4	18.6	27.2	22.0	10.3	0.5	22.0	0.0	0.1	0.4	22.4	21.6
Portugal	424	13.3	12.8	16.3	35.1	20.7	1.8	35.1	0.2	0.0	1.6	33.8	36.3
Romania	465	16.2	10.3	21.9	27.1	12.4	12.1	27.1	5.3	0.0	6.8	24.1	30.7
Russian Federation	500	12.2	12.4	5.4	57.7	9.3	3.0	57.7	0.7	0.3	2.1	57.3	58.3
Scotland	368	9.5	11.9	25.4	40.3	10.7	2.2	40.3	1.0	0.0	1.1	38.8	41.3
Singapore	568	5.5	18.0	4.3	62.0	9.2	0.9	62.0	0.0	0.0	0.9	59.8	64.5
Slovak Republic	442	8.3	5.5	19.6	54.7	10.5	1.3	54.7	0.5	0.0	0.8	49.4	60.1
Slovenia	345	13.0	6.7	9.8	58.4	10.3	1.8	58.4	0.5	0.0	1.3	56.9	60.4
South Africa	581	12.1	9.2	39.4	17.0	13.1	9.1	17.0	0.7	0.1	8.3	16.1	18.4
Spain	482	22.6	14.7	7.3	44.8	8.8	1.7	44.8	0.0	0.0	1.7	40.2	49.8
Sweden	520	7.3	11.2	9.4	60.7	8.3	3.1	60.7	0.0	0.4	2.8	56.8	64.7
Switzerland	608	5.5	16.5	5.4	62.8	7.8	2.2	62.8	0.0	0.0	2.1	62.3	63.2
Thailand	728	24.2	14.6	5.2	43.4	10.6	2.0	43.4	0.0	0.1	1.8	45.3	41.1
United States	876	11.4	18.3	17.3	41.7	9.7	1.6	41.7	0.0	0.1	1.5	40.4	43.1
INTERNATIONAL AVG	.	10.2	12.4	11.5	52.0	10.7	3.2	52.0	0.5	0.2	2.6	49.1	54.8

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: M06
 Compute number of girls, given total students and girl:boy ratio. (Proportionality)
 Difficulty: 634

COUNTRY	N	10	70	71	72	73	74	79	90	99	V1	NOT	1. GIRL	2. BOY	
												REACH			% Right
												ED			
Australia	888	50.1	2.4	11.1	1.1	4.1	1.7	18.3	2.2	9.1	50.1	0.1	9.0	45.8	53.9
Austria	355	45.7	10.5	7.6	1.0	2.5	6.6	13.2	3.7	9.1	45.7	0.0	9.1	44.1	46.8
Belgium (Fl)	356	33.6	11.2	5.6	0.2	1.9	20.4	12.2	1.0	13.8	33.6	0.0	13.8	29.7	37.0
Belgium (Fr)	315	47.9	0.0	0.0	0.0	0.0	0.0	34.7	0.0	17.4	47.9	0.6	16.7	41.5	54.0
Bulgaria	163	53.7	8.4	7.4	3.0	0.5	0.9	7.6	1.9	16.5	53.7	0.8	15.7	53.0	54.7
Canada	1048	42.9	2.8	8.2	1.6	6.7	8.0	18.2	1.3	10.3	42.9	0.0	10.3	42.7	43.8
Colombia	330	11.9	8.2	9.1	1.9	5.6	1.3	23.8	0.8	37.4	11.9	0.8	36.6	12.2	11.8
Cyprus	381	24.3	6.3	5.7	0.9	2.7	12.4	13.8	1.6	32.4	24.3	0.2	32.1	18.5	30.2
Czech Republic	405	59.7	2.9	6.7	0.7	2.8	4.5	10.0	2.0	10.7	59.7	0.0	10.7	62.0	57.5
Denmark	288	34.5	2.9	9.2	2.6	5.6	8.6	11.8	0.0	24.8	34.5	0.3	24.5	29.9	38.7
England	224	41.9	3.7	10.4	2.1	7.2	3.8	21.5	2.5	6.9	41.9	0.0	6.9	37.2	46.4
France	372	42.9	2.1	4.9	1.5	5.9	12.7	12.1	1.3	16.7	42.9	0.0	16.7	40.7	44.0
Germany	357	30.4	6.8	4.9	2.6	7.1	5.5	12.6	4.3	25.7	30.4	0.0	25.7	22.7	39.5
Greece	502	13.4	5.4	4.8	3.3	3.8	12.8	19.8	3.2	33.5	13.4	0.0	33.5	7.6	18.9
Hong Kong	418	63.0	3.2	6.2	0.5	1.4	10.8	8.8	0.0	6.1	63.0	0.5	5.6	63.2	62.8
Hungary	358	56.7	5.8	8.1	1.4	3.3	4.2	10.3	1.1	9.3	56.7	0.4	8.9	62.1	51.6
Iceland	216	18.1	11.3	12.0	5.0	9.0	5.7	18.0	6.0	14.9	18.1	0.2	14.7	15.3	20.7
Iran, Islamic Rep.	458	22.0	9.1	8.3	1.0	3.7	14.1	29.8	1.9	10.1	22.0	0.0	10.1	20.4	23.3
Ireland	379	55.6	9.4	9.7	1.0	3.0	5.7	11.0	0.5	3.9	55.6	0.0	3.9	52.4	58.5
Israel	173	22.2	3.3	19.5	3.1	1.2	9.2	12.9	0.5	28.0	22.2	2.1	25.9	21.2	25.7
Japan	637	53.1	2.0	18.4	1.4	2.8	7.8	8.8	1.5	4.2	53.1	0.0	4.2	55.1	51.1
Korea	365	64.1	1.1	13.9	3.6	3.6	5.5	7.0	0.0	1.3	64.1	0.0	1.3	67.4	61.1
Kuwait	183	12.4	2.7	3.8	0.8	6.4	5.1	45.2	1.0	22.7	12.4	0.7	22.0	13.2	11.5
Latvia (LSS)	296	31.7	8.5	7.7	2.2	4.2	4.3	15.7	3.7	22.0	31.7	0.0	22.0	29.6	33.8
Lithuania	333	30.2	6.8	6.1	2.9	4.9	6.5	11.0	1.5	30.1	30.2	0.8	29.2	37.7	22.1
Netherlands	251	43.0	8.2	7.0	3.4	4.3	13.8	11.6	2.3	6.3	43.0	0.0	6.3	37.4	50.1
New Zealand	466	36.7	1.4	14.4	3.8	9.1	3.2	18.6	1.3	11.5	36.7	0.0	11.5	31.8	40.7
Norway	417	18.8	8.7	7.6	5.9	6.0	7.0	24.4	5.0	16.6	18.8	0.0	16.6	15.4	22.3
Philippines	749	15.9	8.1	8.5	1.9	7.2	8.3	35.8	1.3	13.0	15.9	0.1	12.8	15.9	15.9
Portugal	424	16.8	4.4	13.0	6.9	7.3	6.0	23.6	1.5	20.5	16.8	0.0	20.5	15.5	18.0
Romania	465	29.1	2.7	4.1	1.3	2.6	5.0	16.5	0.9	37.8	29.1	0.0	37.8	29.2	29.0
Russian Federation	500	37.1	9.2	7.2	2.0	1.8	11.9	7.6	0.2	23.1	37.1	0.3	22.9	36.9	37.3
Scotland	368	37.0	4.1	9.2	1.5	5.3	6.0	23.3	0.8	12.7	37.0	0.0	12.7	29.3	44.7
Singapore	568	91.5	0.5	5.2	0.0	0.0	0.1	1.9	0.0	0.7	91.5	0.0	0.7	94.7	88.1
Slovak Republic	442	57.6	2.8	6.3	2.7	1.8	2.5	13.8	1.2	11.3	57.6	0.0	11.3	59.9	55.4
Slovenia	345	42.5	3.8	9.3	2.3	4.5	8.2	11.3	3.0	15.1	42.5	0.0	15.1	48.6	35.6
South Africa	581	8.7	4.1	4.5	3.2	2.9	7.9	54.4	0.0	14.2	8.7	0.1	14.2	7.2	10.5
Spain	482	23.8	7.1	5.7	6.9	2.1	5.7	25.0	0.1	23.6	23.8	0.0	23.6	18.7	29.2
Sweden	520	24.4	7.3	9.3	4.7	5.8	8.8	14.9	7.0	17.9	24.4	0.4	17.6	19.3	29.7
Switzerland	608	37.9	8.6	4.2	1.1	7.1	24.6	5.7	0.9	10.0	37.9	0.0	10.0	30.7	44.9
Thailand	728	48.1	2.1	5.6	2.5	5.8	12.6	15.4	0.6	7.3	48.1	0.1	7.1	47.6	49.8
United States	876	34.2	5.4	9.7	4.0	6.8	5.4	23.1	2.2	9.2	34.2	0.1	9.1	34.3	34.0
INTERNATIONAL AVG	.	37.3	5.4	8.1	2.4	4.3	7.5	17.5	1.7	15.9	37.3	0.2	15.7	35.7	38.9

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 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

Item: M07 KEY: D
 Find angle based on supplementary pairs. (Geometry)
 Difficulty: 457

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	888	5.6	9.5	4.8	74.8	4.2	1.1	74.8	0.0	0.1	1.0	75.2	74.3
Austria	355	3.9	8.0	2.4	78.9	5.0	1.7	78.9	0.0	0.0	1.7	78.1	79.7
Belgium (Fl)	356	2.7	2.9	3.5	85.4	4.7	0.8	85.4	0.0	0.0	0.8	85.2	85.6
Belgium (Fr)	315	5.5	5.9	2.6	78.0	5.6	2.3	78.0	0.4	0.6	1.3	74.0	82.1
Bulgaria	163	7.0	9.4	4.7	73.8	1.0	4.1	73.8	0.0	1.3	2.8	76.7	69.8
Canada	1048	5.2	7.7	3.6	77.7	5.5	0.3	77.7	0.0	0.1	0.2	76.2	79.5
Colombia	330	32.7	11.5	4.8	38.4	3.7	8.9	38.4	0.5	4.4	3.9	39.3	37.9
Cyprus	381	14.1	8.7	6.6	65.5	4.6	0.6	65.5	0.0	0.2	0.3	63.9	67.6
Czech Republic	405	6.4	2.8	2.0	82.5	5.5	0.8	82.5	0.1	0.0	0.7	83.0	81.9
Denmark	288	2.2	7.7	3.7	75.3	8.2	2.9	75.3	0.0	0.3	2.7	71.7	78.8
England	224	6.3	14.1	4.8	67.2	5.7	1.9	67.2	0.0	0.0	1.9	70.7	63.9
France	372	3.7	8.4	2.6	76.9	6.2	2.2	76.9	0.5	0.0	1.8	76.8	76.0
Germany	360	6.5	9.5	4.4	67.6	8.3	3.6	67.6	0.1	0.0	3.5	67.1	69.9
Greece	502	7.7	6.6	4.8	72.1	6.5	2.3	72.1	0.0	0.0	2.3	67.2	76.8
Hong Kong	420	6.4	5.1	2.7	82.5	2.9	0.5	82.5	0.0	0.5	0.0	83.2	81.8
Hungary	358	3.2	2.9	2.7	85.6	4.1	1.4	85.6	0.0	0.4	1.1	84.2	87.0
Iceland	216	5.7	3.4	7.7	74.7	7.7	0.8	74.7	0.0	0.2	0.6	66.9	81.9
Iran, Islamic Rep.	458	15.8	10.4	9.0	57.0	6.3	1.5	57.0	0.0	0.0	1.5	57.2	56.9
Ireland	379	11.2	7.9	5.5	69.1	5.5	0.7	69.1	0.0	0.0	0.7	65.5	72.5
Israel	173	12.2	5.8	5.9	66.9	4.6	4.5	66.9	0.0	2.1	2.4	60.2	77.0
Japan	637	3.7	4.3	2.4	87.1	2.2	0.3	87.1	0.1	0.0	0.1	83.8	90.3
Korea	365	10.0	4.5	1.7	80.2	3.0	0.6	80.2	0.0	0.0	0.6	76.2	83.7
Kuwait	183	6.0	19.5	11.6	52.0	8.9	1.9	52.0	0.0	0.7	1.2	55.5	48.2
Latvia (LSS)	296	11.9	5.5	4.1	72.6	4.8	1.1	72.6	0.0	0.0	1.1	67.1	77.5
Lithuania	333	11.5	3.6	1.3	73.4	5.5	4.7	73.4	0.0	0.8	3.8	70.9	76.1
Netherlands	251	7.5	7.1	5.0	73.8	4.9	1.7	73.8	0.0	0.0	1.7	69.9	76.9
New Zealand	466	3.9	9.0	4.7	72.5	9.4	0.5	72.5	0.0	0.2	0.2	71.6	73.2
Norway	417	1.6	2.6	2.0	88.1	4.0	1.6	88.1	0.0	0.0	1.6	89.2	87.1
Philippines	749	32.3	13.9	6.3	43.7	3.7	0.1	43.7	0.0	0.1	0.0	42.7	44.9
Portugal	424	12.7	12.3	8.3	56.0	7.3	3.4	56.0	0.4	0.0	3.0	47.7	63.9
Romania	465	14.7	8.1	3.0	60.4	7.7	6.0	60.4	0.9	0.0	5.1	59.6	61.4
Russian Federation	500	11.3	3.2	2.7	76.2	4.6	2.0	76.2	0.3	0.3	1.5	80.4	70.5
Scotland	368	8.2	16.0	5.6	62.5	6.0	1.7	62.5	0.3	0.0	1.4	58.4	66.3
Singapore	568	1.8	3.6	0.7	91.8	1.9	0.3	91.8	0.0	0.0	0.3	92.3	91.4
Slovak Republic	442	8.6	3.8	1.9	80.5	3.4	1.8	80.5	0.2	0.0	1.6	77.7	83.4
Slovenia	345	3.1	1.9	2.6	86.7	5.0	0.6	86.7	0.0	0.0	0.6	84.8	89.0
South Africa	581	17.3	11.4	9.8	47.0	9.3	5.2	47.0	0.7	0.1	4.4	46.5	47.8
Spain	482	14.2	7.9	4.2	67.0	5.3	1.4	67.0	0.0	0.0	1.4	60.9	73.7
Sweden	520	4.2	9.5	4.0	74.8	6.0	1.4	74.8	0.0	0.4	1.0	77.8	71.5
Switzerland	608	3.7	7.8	5.4	75.5	5.8	1.8	75.5	0.4	0.0	1.4	72.3	78.5
Thailand	728	4.6	5.9	3.4	79.0	6.6	0.4	79.0	0.0	0.1	0.3	78.0	81.0
United States	876	12.4	13.3	7.1	61.2	4.9	1.2	61.2	0.0	0.1	1.1	58.9	63.5
INTERNATIONAL AVG	.	8.8	7.7	4.4	71.7	5.4	2.0	71.7	0.1	0.3	1.5	70.1	73.4

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: M08
 Multiply two decimal fractions. (Fractions and number sense)
 Difficulty: 575

COUNTRY	N	10	70	71	72	73	74	75	79	90	99	V1	NOT	OMIT	1.GIRL	2.BOY
													REACH		% Right	% Right
													ED			
Australia	888	25.0	4.6	5.9	0.5	3.2	1.8	12.9	35.0	2.6	8.5	25.0	0.1	8.4	24.1	26.0
Austria	355	71.5	2.2	1.2	0.9	2.1	3.0	8.5	6.4	1.5	2.7	71.5	0.0	2.7	74.6	67.3
Belgium (Fl)	356	50.4	6.0	6.8	2.4	4.2	6.0	6.2	15.0	0.2	2.9	50.4	0.0	2.9	47.0	53.3
Belgium (Fr)	315	43.5	0.0	0.0	0.0	0.0	0.0	0.0	45.0	0.0	11.5	43.5	0.6	10.9	42.0	45.0
Bulgaria	163	63.2	7.0	2.7	0.8	1.4	0.7	0.9	9.8	1.6	11.9	63.2	1.3	10.6	59.9	67.6
Canada	1048	52.6	4.7	5.2	0.8	5.3	3.4	9.8	15.1	0.7	2.3	52.6	0.1	2.3	57.5	47.9
Colombia	330	21.6	3.5	12.5	3.7	3.5	1.6	17.9	19.2	1.7	14.9	21.6	4.4	10.5	23.4	19.4
Cyprus	381	41.5	4.0	4.2	0.4	2.0	2.3	0.7	24.7	2.7	17.5	41.5	0.2	17.3	47.0	36.4
Czech Republic	405	81.1	2.9	1.8	0.6	1.5	1.8	3.8	4.6	0.8	1.1	81.1	0.0	1.1	86.1	76.1
Denmark	288	32.9	5.6	9.0	2.6	7.1	3.0	11.6	19.8	0.0	8.4	32.9	0.3	8.1	34.3	30.5
England	224	8.1	1.2	4.1	1.5	2.0	1.4	22.7	41.5	7.5	10.0	8.1	0.0	10.0	7.8	8.5
France	372	71.6	3.7	2.6	0.9	1.3	2.4	4.9	8.6	0.0	4.0	71.6	0.0	4.0	69.6	72.7
Germany	356	48.8	6.3	2.3	1.1	2.8	3.2	14.6	10.4	2.9	7.7	48.8	0.0	7.7	51.1	47.6
Greece	502	50.5	5.0	4.3	1.0	1.3	3.3	11.9	10.6	2.7	9.5	50.5	0.0	9.5	51.6	49.4
Hong Kong	418	72.6	0.9	0.9	0.0	1.6	2.7	7.4	7.5	1.0	5.2	72.6	0.5	4.7	74.8	70.7
Hungary	358	72.9	5.8	1.6	1.1	1.7	3.0	2.6	6.7	0.0	4.6	72.9	0.4	4.2	75.3	70.6
Iceland	216	32.6	5.0	4.5	1.2	3.1	4.1	10.4	28.0	4.6	6.6	32.6	0.2	6.4	42.1	23.7
Iran, Islamic Rep.	458	50.4	2.8	2.9	1.5	6.2	2.2	0.0	28.0	1.0	5.1	50.4	0.0	5.1	52.7	48.6
Ireland	379	42.6	6.5	7.5	1.2	4.1	3.7	7.8	24.2	0.0	2.4	42.6	0.0	2.4	46.5	39.0
Israel	173	60.7	3.4	2.1	0.0	3.3	2.6	4.9	11.5	0.5	11.0	60.7	2.1	8.9	60.0	59.4
Japan	637	60.5	5.5	4.5	0.7	5.1	3.2	9.0	10.0	0.9	0.7	60.5	0.0	0.7	58.0	62.8
Korea	365	54.0	5.1	9.0	1.0	4.8	3.1	4.2	17.1	0.0	1.8	54.0	0.0	1.8	54.9	53.2
Kuwait	183	17.9	2.7	4.0	2.2	3.5	3.4	11.6	43.0	0.3	11.3	17.9	0.8	10.5	15.8	20.2
Latvia (LSS)	296	64.4	3.1	2.1	1.8	1.3	2.9	7.0	13.4	0.0	3.9	64.4	0.0	3.9	72.5	57.4
Lithuania	333	78.2	1.8	1.0	0.6	0.5	1.5	6.3	4.8	0.3	5.0	78.2	0.8	4.1	83.8	72.2
Netherlands	251	27.0	4.8	7.4	0.0	3.5	3.1	17.8	25.4	4.3	6.8	27.0	0.0	6.8	22.8	30.2
New Zealand	466	20.7	6.5	7.1	0.8	3.4	2.5	18.8	29.9	2.6	7.7	20.7	0.2	7.5	17.7	23.3
Norway	417	49.5	5.3	3.8	3.1	1.0	6.6	10.3	13.0	1.5	5.9	49.5	0.0	5.9	53.0	45.9
Philippines	749	52.7	3.9	7.7	2.4	2.7	3.9	8.3	15.5	0.3	2.7	52.7	0.1	2.5	55.2	49.7
Portugal	424	36.8	7.3	8.0	0.0	4.4	1.6	12.1	20.4	1.1	8.3	36.8	0.0	8.3	40.7	33.1
Romania	465	48.0	4.9	7.2	1.6	2.3	2.1	1.7	17.1	0.2	14.8	48.0	0.3	14.5	49.4	46.3
Russian Federation	500	84.1	1.1	1.9	0.4	1.2	0.7	1.5	5.7	0.5	3.1	84.1	0.3	2.8	89.6	76.8
Scotland	368	8.1	3.8	5.7	0.0	1.5	0.8	14.0	43.0	2.6	20.5	8.1	0.0	20.5	7.1	9.2
Singapore	568	66.0	6.1	3.5	0.9	5.8	2.7	6.5	7.2	0.0	1.3	66.0	0.0	1.3	68.0	63.8
Slovak Republic	442	75.5	4.4	1.3	0.3	0.6	3.3	3.5	8.3	0.3	2.4	75.5	0.0	2.4	79.4	71.7
Slovenia	345	68.2	5.4	1.9	1.2	1.9	3.6	4.7	9.9	0.8	2.3	68.2	0.0	2.3	70.5	65.5
South Africa	581	15.8	0.8	2.9	2.4	0.5	1.0	28.1	31.9	0.5	16.0	15.8	0.1	15.9	16.0	15.9
Spain	482	58.0	3.9	6.4	4.9	4.5	4.8	5.7	7.6	0.3	4.0	58.0	0.0	4.0	58.0	58.0
Sweden	520	34.8	6.8	8.0	0.6	4.2	3.1	10.1	23.8	2.0	6.6	34.8	0.4	6.2	37.0	32.2
Switzerland	608	43.0	9.0	7.1	1.0	10.1	3.1	4.5	14.8	1.4	5.8	43.0	0.0	5.8	45.0	41.1
Thailand	728	54.2	6.6	3.6	0.4	2.8	5.6	11.6	9.3	0.1	5.8	54.2	0.1	5.7	56.9	49.6
United States	876	54.2	3.5	3.3	0.7	3.9	4.9	6.9	18.3	0.5	3.8	54.2	0.1	3.7	59.6	48.6
INTERNATIONAL AVG	.	49.2	4.4	4.5	1.2	3.0	2.9	8.7	18.1	1.2	6.9	49.2	0.3	6.5	50.9	47.3

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 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

Item: N11 KEY: B
 Identify number rounded to 18200. (Fractions and number sense)
 Difficulty: 392

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	895	2.2	92.4	4.1	0.5	0.8	92.4	0.0	0.0	0.8	93.5	91.4
Austria	354	2.2	90.6	4.3	2.7	0.2	90.6	0.0	0.0	0.2	91.6	89.6
Belgium (Fl)	367	2.6	95.4	1.5	0.6	0.0	95.4	0.0	0.0	0.0	94.9	95.8
Belgium (Fr)	324	3.4	86.6	5.3	1.1	3.6	86.6	0.0	0.3	3.3	89.4	83.3
Bulgaria	179	5.0	85.4	3.3	2.3	4.2	85.4	0.0	1.6	2.5	84.7	86.1
Canada	1044	0.7	91.6	4.8	1.5	1.3	91.6	0.1	0.6	0.6	91.7	92.0
Colombia	321	9.0	48.5	19.3	17.7	5.6	48.5	0.0	1.6	3.9	51.4	45.6
Cyprus	385	5.7	65.3	19.1	8.1	1.9	65.3	0.0	0.3	1.6	62.1	69.0
Czech Republic	401	2.0	95.2	1.6	0.3	0.9	95.2	0.0	0.0	0.9	93.8	96.5
Denmark	282	2.3	93.7	3.3	0.1	0.6	93.7	0.1	0.3	0.1	92.9	94.5
England	217	0.8	93.4	4.5	0.8	0.4	93.4	0.0	0.0	0.4	95.0	92.2
France	360	2.5	89.6	4.5	2.5	0.9	89.6	0.6	0.3	0.0	93.0	87.7
Germany	356	4.1	84.6	8.2	1.3	1.7	84.6	0.2	0.6	0.9	82.4	86.9
Greece	499	1.9	78.9	12.2	5.3	1.6	78.9	0.0	0.0	1.6	76.3	81.2
Hong Kong	418	2.0	88.9	6.3	2.2	0.5	88.9	0.0	0.0	0.5	86.1	91.2
Hungary	370	1.7	91.8	4.0	1.7	0.8	91.8	0.0	0.2	0.5	93.3	90.4
Iceland	221	0.8	88.9	6.4	4.0	0.0	88.9	0.0	0.0	0.0	90.9	87.3
Iran, Islamic Rep.	464	14.1	40.5	26.8	15.8	2.8	40.5	0.0	0.0	2.8	37.5	42.7
Ireland	384	1.6	91.8	4.2	1.3	1.1	91.8	0.5	0.0	0.6	91.7	91.9
Israel	162	5.3	78.5	6.5	4.9	4.7	78.5	0.0	0.8	3.9	73.5	83.9
Japan	646	2.0	92.9	3.6	1.5	0.0	92.9	0.0	0.0	0.0	93.7	92.3
Korea	365	3.0	91.0	4.2	1.7	0.0	91.0	0.0	0.0	0.0	88.8	92.9
Kuwait	211	7.8	51.2	28.1	7.4	5.5	51.2	0.0	2.1	3.4	47.9	54.3
Latvia (LSS)	309	5.6	78.9	10.2	2.4	2.9	78.9	0.0	1.1	1.8	76.9	80.7
Lithuania	312	8.1	70.0	10.4	4.0	7.4	70.0	0.0	0.4	7.0	75.3	64.7
Netherlands	259	0.0	94.4	4.3	0.9	0.4	94.4	0.0	0.4	0.0	91.5	97.1
New Zealand	446	1.4	88.6	6.6	2.3	1.0	88.6	0.1	0.0	0.9	88.9	88.4
Norway	411	1.2	91.1	6.4	0.9	0.5	91.1	0.0	0.0	0.5	90.5	91.6
Philippines	760	9.1	56.8	22.9	10.0	1.2	56.8	0.3	0.4	0.5	58.6	54.8
Portugal	418	4.8	80.1	10.6	4.2	0.2	80.1	0.0	0.0	0.2	81.4	78.9
Romania	464	10.2	60.4	13.1	8.9	7.5	60.4	1.6	0.7	5.1	56.5	64.3
Russian Federation	502	6.8	75.0	11.2	2.4	4.6	75.0	0.0	0.2	4.4	74.1	75.9
Scotland	343	0.4	92.9	5.8	0.4	0.5	92.9	0.3	0.0	0.3	90.9	94.8
Singapore	576	0.6	98.0	1.3	0.1	0.1	98.0	0.0	0.0	0.1	97.3	98.6
Slovak Republic	440	2.0	91.5	3.1	1.6	1.8	91.5	0.2	0.6	0.9	91.0	91.9
Slovenia	329	2.8	88.6	6.0	1.6	1.0	88.6	0.3	0.0	0.7	88.9	88.3
South Africa	564	14.8	41.0	25.9	15.5	2.8	41.0	0.1	1.1	1.6	41.8	40.9
Spain	476	4.3	77.1	12.9	3.6	2.0	77.1	0.0	0.0	2.0	74.5	79.2
Sweden	526	2.4	93.7	3.1	0.6	0.2	93.7	0.2	0.0	0.0	93.1	94.3
Switzerland	613	3.3	87.4	6.4	1.4	1.5	87.4	0.5	0.0	1.1	87.2	87.5
Thailand	704	1.6	88.9	6.5	2.0	1.0	88.9	0.3	0.0	0.7	88.7	89.7
United States	859	2.9	88.2	6.2	2.0	0.7	88.2	0.0	0.0	0.7	88.4	88.0
INTERNATIONAL AVG	.	3.9	82.1	8.6	3.6	1.8	82.1	0.1	0.3	1.4	81.7	82.6

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: N12 KEY: B
 Identify point on number line from distance of other points. (Geometry)
 Difficulty: 489

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	895	8.3	72.5	9.0	9.4	0.8	72.5	0.0	0.0	0.7	73.2	71.9
Austria	354	9.7	70.4	8.3	10.2	1.5	70.4	0.0	0.0	1.5	74.4	66.5
Belgium (Fl)	367	11.6	73.2	9.0	6.0	0.2	73.2	0.0	0.0	0.2	80.1	66.8
Belgium (Fr)	324	8.4	68.9	8.4	9.5	4.7	68.9	0.8	0.3	3.6	69.1	69.3
Bulgaria	179	6.7	76.1	6.7	5.3	5.1	76.1	0.0	1.6	3.5	71.1	81.6
Canada	1044	7.1	67.2	11.0	13.1	1.6	67.2	0.0	0.6	0.9	67.9	67.0
Colombia	321	8.9	53.4	15.4	17.8	4.6	53.4	0.0	1.9	2.6	55.4	50.9
Cyprus	385	4.8	64.3	14.7	13.2	3.0	64.3	0.0	0.3	2.7	61.1	68.0
Czech Republic	401	4.7	71.6	7.9	12.8	3.0	71.6	0.8	0.1	2.1	65.2	77.7
Denmark	282	9.4	60.1	14.1	10.7	5.6	60.1	0.3	0.3	5.0	57.5	62.2
England	217	6.9	68.3	12.9	10.7	1.2	68.3	0.0	0.0	1.2	69.7	67.3
France	360	3.6	73.6	12.9	8.9	1.0	73.6	0.3	0.3	0.4	73.3	74.7
Germany	356	9.8	61.8	11.4	9.2	7.9	61.8	0.3	0.9	6.8	62.8	62.1
Greece	499	7.7	64.2	13.6	12.5	2.0	64.2	0.7	0.0	1.3	58.4	69.4
Hong Kong	419	7.7	76.6	8.4	6.5	0.7	76.6	0.0	0.0	0.7	71.5	80.9
Hungary	370	6.0	71.0	12.0	7.5	3.5	71.0	0.0	0.2	3.2	72.6	69.5
Iceland	221	6.4	66.3	14.9	9.1	3.3	66.3	0.4	0.0	2.9	64.7	67.6
Iran, Islamic Rep.	464	11.5	48.3	16.2	23.1	0.9	48.3	0.0	0.0	0.9	44.8	50.9
Ireland	384	8.1	70.8	7.9	12.0	1.2	70.8	0.0	0.0	1.2	64.9	77.4
Israel	162	11.3	67.5	13.5	5.1	2.5	67.5	0.0	0.8	1.7	60.3	78.3
Japan	646	4.0	83.2	5.2	7.4	0.1	83.2	0.0	0.0	0.1	81.6	84.6
Korea	365	2.5	77.2	7.0	13.3	0.0	77.2	0.0	0.0	0.0	76.3	78.0
Kuwait	211	13.6	44.0	14.3	23.2	4.9	44.0	0.0	2.7	2.2	46.1	42.1
Latvia (LSS)	309	5.9	59.1	11.1	16.9	7.0	59.1	0.0	1.9	5.1	54.2	63.8
Lithuania	312	6.5	60.3	11.9	12.5	8.8	60.3	0.3	0.4	8.1	63.5	57.0
Netherlands	259	3.8	77.5	10.1	7.1	1.5	77.5	0.0	0.4	1.0	77.5	77.0
New Zealand	446	9.4	68.6	8.7	12.3	1.2	68.6	0.5	0.3	0.4	68.9	68.2
Norway	411	12.1	62.9	12.1	10.8	2.0	62.9	0.0	0.0	2.0	60.5	65.1
Philippines	760	8.7	50.0	24.2	16.6	0.5	50.0	0.0	0.4	0.1	55.2	44.1
Portugal	418	9.2	66.5	12.6	10.1	1.6	66.5	0.0	0.0	1.6	67.8	65.2
Romania	463	4.3	61.2	12.9	13.3	8.3	61.2	1.0	0.7	6.6	59.8	62.7
Russian Federation	501	3.8	80.5	5.6	5.8	4.4	80.5	0.3	0.5	3.6	84.6	76.2
Scotland	343	3.7	65.3	16.6	12.7	1.7	65.3	0.0	0.0	1.7	57.6	73.0
Singapore	576	5.2	73.4	9.2	12.1	0.1	73.4	0.0	0.0	0.1	72.7	74.1
Slovak Republic	441	3.7	64.4	8.5	19.4	4.0	64.4	0.0	0.6	3.3	59.3	69.7
Slovenia	329	11.7	58.4	10.4	17.4	2.3	58.4	0.0	0.0	2.3	51.8	65.4
South Africa	564	9.2	40.6	17.3	28.3	4.6	40.6	0.3	1.1	3.1	42.7	38.6
Spain	476	6.8	72.7	10.4	7.6	2.5	72.7	0.0	0.0	2.5	67.8	76.7
Sweden	526	13.1	65.2	9.2	11.5	1.0	65.2	0.0	0.0	1.0	60.0	70.2
Switzerland	613	12.0	62.0	10.6	11.7	3.7	62.0	0.8	0.0	2.8	61.8	62.2
Thailand	704	9.7	67.7	10.1	11.5	1.0	67.7	0.1	0.0	0.8	70.2	63.7
United States	859	8.2	68.1	9.7	13.1	0.9	68.1	0.3	0.1	0.5	67.1	69.1
INTERNATIONAL AVG	.	7.8	66.1	11.3	12.1	2.8	66.1	0.2	0.4	2.2	64.9	67.3

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: N13
 Calculate $(7X+4)/(5X-4)$ for a given value of X. (Algebra)
 Difficulty: 576

COUNTRY	N	10	11	70	71	72	79	90	99	V1	NOT	1.GIRL	2.BOY	
											REACH			OMIT	% Right	% Right
Australia	895	47.9	8.7	6.8	3.6	6.4	11.6	3.1	11.8	56.6	0.0	11.8	59.3	54.2
Austria	354	50.2	9.3	11.2	1.3	3.8	11.0	5.7	7.4	59.5	0.0	7.4	66.7	50.5
Belgium (Fl)	367	52.7	7.0	7.2	4.2	1.5	17.5	0.0	9.9	59.7	0.0	9.9	62.8	56.8
Belgium (Fr)	324	58.8	0.0	0.0	0.0	0.0	24.6	0.0	16.7	58.8	0.3	16.3	61.1	56.7
Bulgaria	179	56.6	19.4	2.6	0.8	0.3	4.5	0.8	15.0	75.9	2.8	12.1	72.9	79.3
Canada	1044	56.9	7.4	4.1	2.8	2.3	17.5	1.6	7.4	64.3	0.6	6.8	71.1	58.6
Colombia	321	9.1	5.7	0.5	11.0	26.5	21.0	0.5	25.7	14.8	2.3	23.4	17.4	12.3
Cyprus	385	43.6	4.5	6.5	2.5	2.5	19.4	1.2	19.8	48.1	0.3	19.6	51.1	44.8
Czech Republic	401	64.5	5.6	6.0	0.2	2.7	5.7	1.2	14.2	70.0	0.1	14.1	70.5	69.6
Denmark	282	38.4	8.3	6.3	5.7	4.1	10.8	0.3	26.0	46.7	0.3	25.7	43.4	49.8
England	217	43.3	2.4	7.8	1.8	3.2	25.1	2.2	14.2	45.7	0.0	14.2	43.1	47.7
France	360	42.0	16.4	10.4	2.3	4.7	13.5	0.0	10.8	58.4	0.3	10.5	64.0	55.9
Germany	352	43.3	6.4	4.5	1.3	2.7	10.6	2.3	29.1	49.6	1.1	28.0	55.9	42.5
Greece	499	34.0	13.4	9.1	2.2	4.1	12.1	1.4	23.8	47.4	0.0	23.8	47.5	47.3
Hong Kong	419	74.4	0.5	7.4	0.5	1.4	8.5	0.8	6.5	74.9	0.0	6.5	74.7	75.0
Hungary	370	67.4	9.3	7.9	0.3	2.5	6.2	0.0	6.4	76.7	0.2	6.2	81.2	72.3
Iceland	221	27.1	3.5	7.7	7.2	5.8	19.8	5.2	23.7	30.6	1.8	21.9	35.0	27.1
Iran, Islamic Rep.	464	39.3	2.1	4.3	0.1	2.1	23.4	0.1	28.7	41.4	0.0	28.7	43.4	39.9
Ireland	384	47.2	5.0	8.9	3.5	9.7	13.6	2.8	9.3	52.2	0.0	9.3	50.6	53.8
Israel	162	57.4	4.6	1.3	0.0	1.7	17.2	1.0	17.0	61.9	0.8	16.1	62.0	60.3
Japan	646	67.7	1.2	9.1	0.9	4.8	11.3	0.1	4.8	68.9	0.0	4.8	69.3	68.6
Korea	365	70.6	1.9	5.2	0.3	3.4	13.9	0.0	4.7	72.5	0.0	4.7	74.6	70.8
Kuwait	211	14.3	12.1	5.3	1.9	12.2	26.3	0.3	27.6	26.4	2.7	24.9	32.8	20.5
Latvia (LSS)	309	51.5	5.9	3.8	2.6	4.1	16.4	1.2	14.6	57.4	2.2	12.4	61.6	53.5
Lithuania	312	53.2	3.9	2.9	0.0	3.1	13.2	1.2	22.5	57.1	0.4	22.1	63.4	50.8
Netherlands	259	35.1	2.3	0.9	1.6	1.6	29.8	16.3	12.3	37.4	0.4	11.9	44.1	31.0
New Zealand	446	36.4	8.0	4.0	6.9	6.4	26.3	1.1	10.9	44.3	0.3	10.7	46.6	42.2
Norway	411	33.2	6.2	9.7	1.8	4.2	12.9	9.8	22.2	39.4	0.0	22.2	42.7	36.4
Philippines	760	17.2	3.0	2.8	1.4	14.6	31.4	10.0	19.5	20.3	0.4	19.1	24.0	15.9
Portugal	418	27.5	9.6	6.8	3.5	12.4	18.9	2.4	18.8	37.1	0.0	18.8	37.5	36.6
Romania	464	59.4	2.2	2.6	0.7	2.2	12.6	0.2	20.1	61.5	0.7	19.4	64.3	58.8
Russian Federation	502	74.9	0.6	4.6	0.5	0.1	9.9	0.2	9.3	75.5	0.5	8.8	77.1	73.8
Scotland	343	30.0	5.7	4.2	2.4	8.1	28.8	4.1	16.7	35.7	0.0	16.7	36.2	35.2
Singapore	576	79.1	1.1	10.5	0.4	0.3	7.2	0.1	1.3	80.2	0.0	1.3	82.1	78.4
Slovak Republic	441	67.1	5.3	1.9	2.1	2.3	9.6	0.8	10.8	72.5	0.6	10.2	76.4	68.4
Slovenia	329	69.6	4.5	6.2	0.3	1.9	9.0	0.7	7.8	74.1	0.0	7.8	75.5	72.7
South Africa	564	9.7	2.1	1.2	1.0	28.7	39.1	0.3	17.8	11.8	1.1	16.7	15.1	8.8
Spain	476	53.0	6.4	6.1	2.0	8.5	11.2	0.3	12.6	59.4	0.0	12.6	64.0	55.6
Sweden	526	28.8	1.4	3.0	6.9	1.7	21.7	16.2	20.3	30.1	0.0	20.3	32.4	28.0
Switzerland	613	32.3	7.6	7.7	14.8	3.9	13.3	6.5	13.9	39.9	0.0	13.9	44.3	36.7
Thailand	704	52.0	9.3	3.1	1.0	0.9	24.0	0.5	9.1	61.4	0.1	9.0	63.5	58.3
United States	859	48.7	8.0	9.5	3.6	4.3	15.3	3.4	7.2	56.7	0.1	7.1	56.6	56.7
INTERNATIONAL AVG	.	46.8	5.9	5.5	2.6	5.2	16.6	2.5	15.0	52.7	0.5	14.5	55.2	50.3

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 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

Item: N14 KEY: C
 Identify list of equivalent fractions. (Fractions and number sense)
 Difficulty: 483

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	895	12.2	7.5	69.2	8.9	2.3	69.2	0.0	0.0	2.3	67.5	70.7
Austria	354	10.0	5.5	70.0	10.6	3.9	70.0	0.0	0.0	3.9	74.9	64.3
Belgium (Fl)	367	3.1	0.4	90.4	3.0	3.0	90.4	0.0	0.0	3.0	90.9	90.1
Belgium (Fr)	324	3.4	4.3	80.7	4.2	7.4	80.7	0.8	0.3	6.2	81.4	80.2
Bulgaria	179	3.5	3.7	78.7	4.8	9.3	78.7	0.0	2.8	6.5	78.2	79.2
Canada	1044	11.1	2.0	77.9	6.8	2.2	77.9	0.6	0.6	1.0	82.2	74.5
Colombia	321	18.1	11.8	42.9	14.3	12.9	42.9	0.3	2.9	9.7	42.8	43.7
Cyprus	385	10.6	5.2	73.9	5.0	5.3	73.9	1.0	0.3	4.1	72.7	75.3
Czech Republic	401	6.8	2.4	79.7	6.6	4.5	79.7	0.6	0.1	3.8	78.4	80.9
Denmark	282	8.8	6.9	60.2	11.0	13.1	60.2	1.7	1.2	10.2	53.7	66.7
England	217	12.0	16.4	52.3	15.3	4.0	52.3	0.0	0.0	4.0	53.2	51.6
France	360	8.6	2.7	78.6	7.4	2.6	78.6	0.6	0.3	1.8	78.5	82.3
Germany	356	8.0	7.6	64.3	12.6	7.4	64.3	0.4	1.1	6.0	68.9	59.0
Greece	499	10.8	7.1	62.3	12.3	7.5	62.3	2.6	0.0	5.0	63.6	61.2
Hong Kong	419	5.0	6.0	80.7	7.1	1.3	80.7	0.0	0.0	1.3	77.6	83.3
Hungary	370	10.7	4.2	72.5	5.7	6.8	72.5	0.0	0.2	6.6	75.7	69.4
Iceland	221	13.3	19.3	40.9	18.5	7.9	40.9	0.0	1.8	6.2	29.5	50.0
Iran, Islamic Rep.	464	16.6	5.3	67.2	9.2	1.7	67.2	0.4	0.0	1.3	64.9	68.9
Ireland	384	7.0	5.1	74.1	11.0	2.8	74.1	0.9	0.0	1.9	72.5	75.9
Israel	162	8.8	11.4	57.4	12.4	10.0	57.4	0.0	0.8	9.2	52.6	65.9
Japan	646	7.0	4.5	82.1	5.9	0.5	82.1	0.2	0.0	0.3	80.3	83.7
Korea	365	3.9	2.4	89.9	3.8	0.0	89.9	0.0	0.0	0.0	89.9	89.8
Kuwait	211	14.7	15.7	34.8	27.7	7.1	34.8	0.0	2.7	4.4	30.7	38.6
Latvia (LSS)	309	13.9	5.5	58.7	12.4	9.5	58.7	0.0	2.5	7.1	59.9	57.6
Lithuania	312	9.7	6.2	51.3	13.7	19.0	51.3	1.3	0.4	17.4	57.4	45.2
Netherlands	259	10.4	6.1	73.5	6.4	3.6	73.5	0.0	0.4	3.2	73.2	73.8
New Zealand	446	13.3	9.0	61.4	12.6	3.8	61.4	0.4	0.3	3.1	59.3	63.4
Norway	411	10.3	9.7	62.5	12.1	5.4	62.5	0.0	0.0	5.4	63.4	61.8
Philippines	760	23.7	11.7	51.7	11.3	1.6	51.7	0.3	0.4	0.9	52.8	50.4
Portugal	418	14.2	7.6	58.4	13.4	6.4	58.4	0.0	0.0	6.4	54.4	62.3
Romania	464	14.6	8.3	53.7	7.1	16.2	53.7	3.8	0.7	11.7	52.0	55.4
Russian Federation	502	9.3	1.4	71.1	10.6	7.6	71.1	1.4	0.5	5.7	78.4	63.6
Scotland	343	18.0	7.8	53.6	16.4	4.2	53.6	0.5	0.0	3.7	53.8	53.4
Singapore	576	3.4	3.0	90.5	1.9	1.2	90.5	0.0	0.2	1.0	92.2	89.0
Slovak Republic	441	7.7	5.3	69.8	10.8	6.5	69.8	1.2	0.6	4.6	70.1	69.5
Slovenia	329	9.3	7.2	68.0	12.2	3.3	68.0	0.9	0.0	2.5	71.0	64.9
South Africa	564	12.7	20.4	40.8	22.5	3.7	40.8	0.2	1.4	2.1	39.8	43.8
Spain	476	7.2	4.1	77.9	6.3	4.5	77.9	0.0	0.0	4.5	78.8	77.1
Sweden	526	6.3	15.2	59.7	13.0	5.8	59.7	1.1	0.0	4.7	55.7	63.5
Switzerland	613	7.2	2.3	79.4	7.7	3.3	79.4	0.6	0.0	2.7	79.7	79.3
Thailand	704	14.8	3.3	73.9	6.0	1.9	73.9	0.0	0.1	1.8	77.6	68.7
United States	859	16.4	7.6	67.2	7.5	1.3	67.2	0.2	0.1	1.0	67.0	67.5
INTERNATIONAL AVG	.	10.4	7.1	66.8	10.2	5.5	66.8	0.5	0.5	4.5	66.6	67.0

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: N15 KEY: C
 Identify drawing with angle closest to 30 degrees. (Measurement)
 Difficulty: 492

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	895	1.7	6.7	63.9	26.6	1.1	63.9	0.0	0.0	1.1	61.3	66.3
Austria	354	3.9	8.2	74.2	11.4	2.3	74.2	0.0	0.0	2.3	76.3	71.6
Belgium (Fl)	367	3.1	6.3	63.9	24.4	2.4	63.9	0.0	0.0	2.4	58.7	68.7
Belgium (Fr)	324	2.2	9.7	67.2	19.2	1.7	67.2	0.0	0.3	1.3	63.2	71.4
Bulgaria	179	6.3	4.5	78.1	7.2	4.0	78.1	0.0	2.8	1.1	82.2	73.6
Canada	1044	1.0	8.5	65.1	24.4	1.0	65.1	0.2	0.6	0.2	63.1	66.6
Colombia	321	14.4	15.0	36.6	28.9	5.1	36.6	0.0	2.9	2.2	33.0	41.1
Cyprus	385	5.1	12.2	64.4	15.9	2.5	64.4	0.0	0.6	1.9	65.9	62.7
Czech Republic	401	0.5	6.5	75.8	15.8	1.4	75.8	0.9	0.1	0.4	74.9	76.6
Denmark	282	2.9	9.8	69.2	14.1	3.9	69.2	0.3	1.5	2.1	66.6	71.9
England	217	3.1	6.9	61.7	28.3	0.0	61.7	0.0	0.0	0.0	64.7	59.4
France	360	1.4	11.6	75.9	10.5	0.6	75.9	0.0	0.3	0.3	73.5	77.0
Germany	356	1.1	9.5	62.7	25.4	1.3	62.7	0.3	1.1	0.0	63.6	62.0
Greece	499	2.1	10.3	64.1	22.8	0.8	64.1	0.4	0.0	0.4	65.3	63.0
Hong Kong	417	1.5	4.8	68.2	21.0	4.5	68.2	0.0	0.0	4.5	66.4	69.7
Hungary	370	1.3	5.8	77.2	14.6	1.1	77.2	0.0	0.2	0.9	77.0	77.4
Iceland	221	2.3	7.6	60.6	25.1	4.3	60.6	0.0	1.8	2.6	60.9	60.3
Iran, Islamic Rep.	464	1.2	13.0	62.8	22.3	0.7	62.8	0.2	0.0	0.6	62.6	63.0
Ireland	384	1.1	8.3	62.5	27.5	0.6	62.5	0.0	0.0	0.6	57.7	67.9
Israel	162	3.8	18.8	49.8	25.3	2.4	49.8	0.0	1.4	1.0	50.0	50.0
Japan	646	0.2	3.0	76.3	20.3	0.1	76.3	0.0	0.0	0.1	74.0	78.4
Korea	365	0.3	4.5	76.0	19.2	0.0	76.0	0.0	0.0	0.0	72.1	79.2
Kuwait	211	4.9	13.3	48.9	26.9	6.1	48.9	0.0	2.7	3.4	44.6	52.9
Latvia (LSS)	309	1.7	11.1	64.5	18.4	4.3	64.5	0.0	2.5	1.8	61.7	67.2
Lithuania	311	3.1	7.0	62.9	22.6	4.3	62.9	0.3	0.8	3.2	64.0	61.8
Netherlands	259	1.5	7.7	64.2	25.7	0.9	64.2	0.0	0.9	0.0	60.7	67.6
New Zealand	446	2.3	7.0	62.7	27.6	0.5	62.7	0.0	0.3	0.2	58.3	66.8
Norway	411	1.9	7.6	70.1	19.1	1.4	70.1	0.0	0.0	1.4	68.5	71.6
Philippines	760	9.9	15.7	42.2	30.8	1.4	42.2	0.0	0.4	1.1	41.2	43.8
Portugal	418	5.2	10.5	48.4	34.1	1.8	48.4	0.0	0.0	1.8	50.6	46.2
Romania	464	4.4	7.9	59.4	24.1	4.2	59.4	1.0	0.9	2.3	58.2	60.6
Russian Federation	502	2.4	8.8	72.4	15.1	1.4	72.4	0.0	0.5	0.9	71.1	73.7
Scotland	343	2.6	10.5	57.8	28.2	0.9	57.8	0.0	0.0	0.9	56.8	58.7
Singapore	576	1.0	8.4	73.2	16.5	0.8	73.2	0.0	0.5	0.4	76.9	69.8
Slovak Republic	440	1.0	6.3	73.7	17.9	1.2	73.7	0.0	0.6	0.5	70.4	77.2
Slovenia	329	1.4	7.8	76.7	13.8	0.3	76.7	0.3	0.0	0.0	77.7	75.7
South Africa	564	9.9	14.2	33.6	34.4	7.9	33.6	0.2	1.4	6.2	31.0	37.2
Spain	476	2.5	14.2	59.3	22.7	1.3	59.3	0.0	0.0	1.3	59.3	59.3
Sweden	526	2.1	8.3	61.3	27.8	0.6	61.3	0.0	0.0	0.6	61.4	61.0
Switzerland	613	6.3	6.7	72.6	13.9	0.5	72.6	0.2	0.0	0.2	68.9	75.4
Thailand	704	0.6	8.2	77.6	13.4	0.2	77.6	0.0	0.1	0.1	76.1	79.4
United States	859	2.4	8.0	56.7	31.6	1.2	56.7	0.0	0.1	1.2	55.4	58.0
INTERNATIONAL AVG	.	3.0	9.1	64.1	21.8	2.0	64.1	0.1	0.6	1.3	63.0	65.3

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: N16 KEY: A
 Solve algebra word problem with fractions. (Fractions and number sense)
 Difficulty: 580

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	895	46.3	16.7	9.7	26.4	0.8	46.3	0.0	0.0	0.8	47.6	45.2
Austria	354	50.3	13.2	8.7	26.9	1.0	50.3	0.0	0.0	1.0	49.7	50.5
Belgium (Fl)	367	51.3	9.0	5.4	34.3	0.0	51.3	0.0	0.0	0.0	45.2	57.0
Belgium (Fr)	324	39.5	9.6	7.5	38.6	4.7	39.5	2.0	0.4	2.3	39.0	39.6
Bulgaria	179	65.2	8.6	3.8	16.4	5.9	65.2	0.0	3.0	2.9	63.2	67.4
Canada	1044	46.1	17.0	8.7	27.2	1.0	46.1	0.0	0.6	0.4	45.6	46.3
Colombia	321	29.4	18.6	8.9	35.8	7.3	29.4	0.0	3.4	3.8	25.6	34.0
Cyprus	385	38.4	23.0	13.4	23.1	2.2	38.4	0.0	0.6	1.6	37.6	39.3
Czech Republic	401	49.8	20.3	5.9	20.5	3.5	49.8	0.2	0.1	3.2	44.0	55.2
Denmark	.	.	.	.	.	.	.	.	.	.	.	.
England	217	44.9	23.0	10.6	21.4	0.0	44.9	0.0	0.0	0.0	47.8	42.7
France	360	37.8	17.2	6.6	37.0	1.5	37.8	0.1	0.3	1.1	34.9	42.5
Germany	356	34.9	21.3	13.8	25.4	4.6	34.9	0.0	1.1	3.5	31.0	39.4
Greece	499	48.5	17.2	10.8	19.4	4.2	48.5	0.3	0.0	3.9	47.6	49.3
Hong Kong	417	54.7	6.6	5.1	33.1	0.5	54.7	0.0	0.0	0.5	50.8	57.8
Hungary	370	53.4	11.0	6.2	26.2	3.1	53.4	0.0	0.2	2.9	52.1	54.7
Iceland	221	47.7	17.8	8.9	23.4	2.1	47.7	0.0	1.8	0.4	40.5	53.5
Iran, Islamic Rep.	464	45.1	17.8	6.0	29.0	2.1	45.1	0.2	0.0	1.9	42.7	46.9
Ireland	384	48.4	13.8	10.1	26.6	1.1	48.4	0.3	0.0	0.8	49.8	46.9
Israel	162	40.9	12.3	11.8	31.3	3.8	40.9	0.0	1.4	2.4	30.9	49.9
Japan	646	57.9	7.1	2.7	32.1	0.1	57.9	0.0	0.0	0.1	55.6	60.0
Korea	365	62.4	5.6	1.8	30.2	0.0	62.4	0.0	0.0	0.0	59.5	64.9
Kuwait	211	42.1	23.9	13.3	13.7	7.0	42.1	0.0	2.7	4.4	42.8	41.3
Latvia (LSS)	309	54.5	12.8	4.3	23.0	5.4	54.5	0.0	2.8	2.6	55.1	53.9
Lithuania	312	46.1	13.5	6.5	25.3	8.5	46.1	0.0	1.6	7.0	45.4	46.9
Netherlands	259	54.2	16.0	6.5	22.5	0.9	54.2	0.0	0.9	0.0	50.2	57.6
New Zealand	446	49.2	19.5	8.9	21.3	1.1	49.2	0.0	0.3	0.9	45.5	52.7
Norway	411	48.6	22.9	7.7	18.8	2.0	48.6	0.0	0.2	1.9	42.9	53.8
Philippines	760	45.4	23.9	13.0	16.8	0.8	45.4	0.0	0.5	0.3	47.0	43.5
Portugal	418	42.4	24.2	11.4	20.9	1.1	42.4	0.0	0.0	1.1	41.1	43.6
Romania	464	39.2	15.8	9.2	28.4	7.3	39.2	0.5	1.1	5.7	35.8	42.7
Russian Federation	502	47.4	13.9	2.2	31.5	5.0	47.4	0.0	0.8	4.2	48.0	46.8
Scotland	343	53.1	17.9	9.2	19.4	0.4	53.1	0.0	0.0	0.4	47.0	59.2
Singapore	576	66.5	6.7	3.4	22.7	0.7	66.5	0.0	0.5	0.3	63.8	69.0
Slovak Republic	440	47.6	15.7	7.4	25.1	4.3	47.6	0.8	0.6	2.8	45.5	49.7
Slovenia	329	47.4	13.7	7.4	28.7	2.8	47.4	0.0	0.0	2.8	47.1	47.8
South Africa	564	37.1	22.1	15.6	21.3	3.9	37.1	0.1	1.7	2.1	38.3	35.9
Spain	476	41.3	16.1	15.0	23.8	3.8	41.3	0.0	0.0	3.8	41.2	41.3
Sweden	526	52.8	17.2	6.2	23.2	0.6	52.8	0.0	0.2	0.4	49.8	55.9
Switzerland	613	46.9	14.4	3.4	34.8	0.5	46.9	0.0	0.0	0.4	48.4	45.7
Thailand	704	60.8	13.9	4.6	19.8	0.9	60.8	0.0	0.1	0.8	59.9	63.2
United States	859	38.7	22.7	12.1	25.5	0.9	38.7	0.0	0.1	0.9	36.2	41.4
INTERNATIONAL AVG	.	47.7	15.9	8.1	25.6	2.6	47.7	0.1	0.7	1.9	45.7	49.6

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: N17 KEY: A
 Solve multi-step word problem: decimal fractions. (Fractions and number sense)
 Difficulty: 610

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	895	42.1	16.5	31.4	7.9	2.1	42.1	0.0	0.1	2.0	40.5	43.7
Austria	354	33.5	14.4	44.5	6.2	1.4	33.5	0.0	0.2	1.2	29.4	37.1
Belgium (Fl)	367	49.1	14.3	33.9	2.0	0.6	49.1	0.0	0.0	0.6	51.6	46.8
Belgium (Fr)	324	36.3	13.7	35.5	5.8	8.6	36.3	0.0	0.7	7.9	30.9	42.1
Bulgaria	179	63.1	8.6	14.4	6.1	7.7	63.1	0.0	3.7	4.0	60.2	66.3
Canada	1044	36.4	17.8	36.2	7.0	2.7	36.4	0.3	0.6	1.8	38.6	34.5
Colombia	321	29.0	19.2	30.8	7.6	13.4	29.0	0.0	3.8	9.6	30.1	28.4
Cyprus	385	30.1	19.9	37.2	9.8	2.9	30.1	0.0	1.2	1.7	31.2	28.9
Czech Republic	401	43.3	9.6	39.2	5.0	3.0	43.3	0.2	0.2	2.6	36.3	49.9
Denmark	282	31.0	17.8	35.5	7.6	8.0	31.0	0.0	1.5	6.5	35.4	26.9
England	217	39.8	15.4	33.9	9.2	1.7	39.8	0.0	0.0	1.7	36.2	42.5
France	360	33.6	12.7	46.9	4.5	2.3	33.6	0.0	0.3	2.0	33.6	33.7
Germany	356	37.2	15.4	37.3	5.5	4.6	37.2	0.0	1.1	3.5	34.9	39.9
Greece	499	29.2	17.2	38.7	9.3	5.6	29.2	0.3	0.0	5.4	31.3	27.3
Hong Kong	417	47.6	10.7	35.0	6.5	0.3	47.6	0.0	0.0	0.3	42.5	51.7
Hungary	370	45.5	6.9	38.5	5.3	3.8	45.5	0.0	0.8	3.0	46.4	44.6
Iceland	221	25.4	22.2	39.0	8.9	4.4	25.4	0.0	1.9	2.5	28.2	23.2
Iran, Islamic Rep.	464	29.6	20.5	38.9	8.1	3.0	29.6	0.0	0.0	3.0	31.5	28.2
Ireland	384	41.9	14.8	35.1	6.2	1.9	41.9	0.0	0.0	1.9	40.3	43.8
Israel	162	41.0	16.8	34.9	1.7	5.6	41.0	0.0	1.4	4.2	42.0	44.5
Japan	.	.	.	.	.	.	.	.	.	.	.	.
Korea	365	49.5	7.0	40.3	3.2	0.0	49.5	0.0	0.0	0.0	44.4	53.8
Kuwait	211	22.0	23.8	24.5	18.5	11.1	22.0	0.0	4.7	6.5	22.1	21.9
Latvia (LSS)	309	38.1	15.5	31.7	6.7	8.0	38.1	0.0	2.8	5.2	39.6	36.8
Lithuania	312	38.3	10.6	30.6	5.4	15.0	38.3	0.0	2.6	12.4	33.1	43.6
Netherlands	259	49.8	14.5	28.6	6.2	0.9	49.8	0.0	0.9	0.0	52.1	48.1
New Zealand	446	39.7	15.8	34.0	9.6	0.9	39.7	0.2	0.3	0.4	39.2	40.2
Norway	411	36.8	18.1	36.1	6.3	2.8	36.8	0.0	0.4	2.3	34.9	38.6
Philippines	760	27.4	23.0	30.5	18.2	0.9	27.4	0.0	0.5	0.4	29.1	25.5
Portugal	418	37.3	18.2	32.4	8.2	4.0	37.3	0.0	0.0	4.0	35.9	38.7
Romania	464	39.2	18.7	25.4	6.1	10.7	39.2	0.8	1.7	8.2	40.6	37.7
Russian Federation	502	40.9	8.7	35.6	5.2	9.6	40.9	0.0	2.6	7.0	37.2	44.8
Scotland	343	37.6	18.6	32.3	10.2	1.3	37.6	0.0	0.0	1.3	34.2	41.0
Singapore	576	70.0	4.0	21.8	3.5	0.7	70.0	0.0	0.5	0.2	72.5	67.6
Slovak Republic	440	37.8	9.3	42.0	5.8	5.0	37.8	0.3	1.1	3.6	30.9	45.1
Slovenia	328	31.0	15.3	45.5	6.0	2.2	31.0	0.0	0.0	2.2	28.4	33.8
South Africa	564	23.4	23.8	26.2	21.4	5.3	23.4	0.1	2.1	3.0	21.5	24.5
Spain	476	24.7	20.2	41.8	7.8	5.4	24.7	0.0	0.4	5.0	27.6	22.4
Sweden	525	42.5	20.0	29.9	6.6	1.0	42.5	0.0	0.2	0.8	44.0	41.2
Switzerland	613	44.0	8.9	39.5	6.1	1.6	44.0	0.1	0.2	1.2	47.3	41.5
Thailand	704	44.1	12.7	33.4	7.5	2.2	44.1	0.0	0.1	2.0	41.2	48.5
United States	859	34.0	20.9	33.4	10.3	1.4	34.0	0.1	0.1	1.2	32.3	35.8
INTERNATIONAL AVG	.	38.4	15.4	34.4	7.5	4.2	38.4	0.1	0.9	3.2	37.5	39.4

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: N18 KEY: C
 Find probability of drawing an even number from 1 to 9. (Data Rep., Analysis & Prob.)
 Difficulty: 541

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	895	11.1	5.3	72.4	10.2	0.9	72.4	0.0	0.1	0.8	74.1	70.9
Austria	354	9.7	7.8	62.7	18.0	1.7	62.7	0.0	0.2	1.5	63.3	61.5
Belgium (Fl)	367	8.2	4.6	78.2	8.8	0.2	78.2	0.0	0.0	0.2	69.3	86.5
Belgium (Fr)	322	11.2	12.3	63.1	8.8	4.6	63.1	0.0	1.2	3.4	58.9	68.9
Bulgaria	179	9.7	4.1	72.7	7.8	5.7	72.7	0.0	4.7	1.0	69.6	76.1
Canada	1044	11.0	5.9	73.7	7.4	2.0	73.7	0.0	1.0	0.9	71.4	76.6
Colombia	321	18.2	17.2	22.7	27.8	14.0	22.7	0.6	4.7	8.7	18.9	26.7
Cyprus	385	20.2	17.3	44.1	15.4	3.1	44.1	0.1	1.4	1.6	43.4	44.8
Czech Republic	401	13.8	11.8	55.3	15.6	3.5	55.3	0.8	0.7	2.0	49.4	60.8
Denmark	282	10.3	3.9	67.5	13.3	5.0	67.5	0.0	1.8	3.2	70.4	65.1
England	217	10.5	6.5	75.3	7.3	0.4	75.3	0.0	0.0	0.4	75.4	75.2
France	360	13.7	6.3	68.2	10.3	1.5	68.2	0.0	0.3	1.2	69.1	69.2
Germany	356	13.0	9.5	54.6	19.6	3.3	54.6	0.3	1.3	1.7	57.8	51.1
Greece	499	21.0	15.4	41.5	17.6	4.5	41.5	0.4	0.0	4.1	36.4	46.0
Hong Kong	420	20.5	12.4	56.5	9.7	0.9	56.5	0.0	0.0	0.9	53.4	59.0
Hungary	370	19.4	11.3	47.3	18.2	3.7	47.3	0.0	0.8	2.9	50.2	44.5
Iceland	221	9.0	8.8	64.3	14.8	3.1	64.3	0.2	1.9	1.0	58.7	68.8
Iran, Islamic Rep.	464	20.3	19.3	38.3	21.2	1.0	38.3	0.0	0.2	0.7	40.1	37.0
Ireland	384	13.4	7.4	62.8	14.8	1.5	62.8	0.4	0.0	1.2	59.0	67.0
Israel	162	14.8	10.7	59.7	9.5	5.4	59.7	0.0	1.4	4.0	57.6	63.0
Japan	646	8.8	4.3	82.4	4.4	0.1	82.4	0.0	0.0	0.1	82.3	82.4
Korea	365	3.7	1.1	90.3	4.3	0.5	90.3	0.0	0.0	0.5	89.3	91.2
Kuwait	211	17.1	17.9	30.5	26.8	7.7	30.5	0.0	5.2	2.5	31.6	29.4
Latvia (LSS)	308	17.9	16.2	32.8	22.0	11.1	32.8	0.0	3.3	7.8	28.2	37.2
Lithuania	312	22.5	12.1	26.3	25.5	13.7	26.3	0.3	4.3	9.1	23.7	28.9
Netherlands	259	16.9	7.9	63.4	10.6	1.2	63.4	0.0	0.9	0.4	60.0	66.7
New Zealand	446	13.0	7.9	65.5	12.6	1.0	65.5	0.0	0.3	0.8	65.5	65.5
Norway	411	9.5	8.3	65.5	15.5	1.2	65.5	0.0	0.4	0.8	67.1	64.0
Philippines	760	43.2	16.1	23.7	15.8	1.3	23.7	0.0	0.5	0.8	24.7	22.3
Portugal	418	13.0	22.1	38.5	21.9	4.4	38.5	0.0	0.4	4.0	34.5	42.4
Romania	463	16.4	13.2	31.2	27.2	12.1	31.2	2.9	2.0	7.1	30.4	32.0
Russian Federation	502	17.6	11.8	38.7	24.1	7.9	38.7	0.2	3.1	4.6	35.5	41.9
Scotland	343	12.3	10.4	58.1	18.0	1.2	58.1	0.0	0.0	1.2	54.7	61.5
Singapore	576	11.8	8.8	66.6	11.4	1.5	66.6	0.0	0.5	1.0	67.0	66.3
Slovak Republic	441	21.2	10.5	37.6	24.6	6.1	37.6	0.2	1.1	4.9	34.1	41.3
Slovenia	329	23.8	12.7	46.2	15.1	2.2	46.2	0.3	0.0	1.9	46.0	46.4
South Africa	564	31.8	13.3	24.0	26.4	4.6	24.0	1.1	2.1	1.4	23.3	24.4
Spain	476	14.9	11.3	58.1	13.4	2.2	58.1	0.0	0.4	1.9	55.4	60.4
Sweden	526	10.5	8.5	68.0	12.0	1.0	68.0	0.2	0.2	0.6	64.4	71.4
Switzerland	613	7.9	3.9	67.8	18.9	1.5	67.8	0.0	0.6	0.9	68.0	67.7
Thailand	704	33.6	15.9	37.2	11.9	1.3	37.2	0.0	0.1	1.2	38.0	37.0
United States	859	11.2	6.1	73.9	7.6	1.3	73.9	0.0	0.1	1.1	75.2	72.5
INTERNATIONAL AVG	.	15.7	10.4	54.9	15.4	3.6	54.9	0.2	1.1	2.3	53.5	56.5

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: N19
 Shade a given fraction of the squares in a grid. (Fractions and number sense)
 Difficulty: 559

COUNTRY	N	10	70	71	72	73	79	90	99	V1	NOT	1.GIRL	2.BOY	
											REACH			OMIT	% Right	% Right
Australia	895	59.9	11.6	2.3	4.0	1.7	16.7	0.3	3.4	59.9	0.1	3.3	58.7	61.1
Austria	354	54.4	8.9	4.2	7.8	0.0	18.5	1.4	4.7	54.4	0.2	4.5	59.1	48.4
Belgium (Fl)	367	83.1	4.2	0.3	2.6	0.0	8.5	0.0	1.3	83.1	0.2	1.1	83.6	82.6
Belgium (Fr)	322	71.2	0.0	0.0	0.0	0.0	22.2	0.0	6.5	71.2	1.2	5.4	75.4	66.1
Bulgaria	179	64.7	6.9	0.2	3.0	0.0	8.5	1.8	14.9	64.7	4.7	10.2	69.2	59.8
Canada	1044	65.7	10.5	1.7	5.7	1.4	11.2	0.2	3.6	65.7	1.0	2.6	65.8	66.2
Colombia	321	10.8	22.3	9.0	2.2	1.8	31.9	0.9	21.1	10.8	6.5	14.6	12.7	8.9
Cyprus	384	51.9	5.5	2.5	4.6	0.4	24.6	0.2	10.3	51.9	2.1	8.2	51.9	51.9
Czech Republic	401	52.2	7.3	5.4	5.0	0.8	22.4	0.3	6.5	52.2	0.7	5.8	46.6	57.5
Denmark	282	60.2	7.8	2.1	3.5	0.0	14.7	0.0	11.6	60.2	3.0	8.6	56.3	63.7
England	217	43.1	17.9	3.6	8.6	1.0	21.9	0.0	4.0	43.1	0.4	3.6	41.0	44.6
France	360	61.0	11.3	3.4	5.1	0.9	12.8	0.0	5.5	61.0	0.6	4.9	58.3	65.5
Germany	350	48.2	9.9	4.0	4.6	0.4	17.8	2.0	13.0	48.2	1.6	11.5	48.5	48.5
Greece	499	44.5	20.0	3.3	3.2	2.2	17.5	1.2	8.1	44.5	0.4	7.7	35.8	52.4
Hong Kong	420	85.8	2.8	1.1	1.3	0.0	6.5	0.2	2.3	85.8	0.0	2.3	84.9	86.5
Hungary	370	63.6	4.7	3.1	4.1	0.4	19.1	0.6	4.3	63.6	0.8	3.5	66.6	60.8
Iceland	221	43.7	22.3	2.6	2.5	7.3	13.5	0.0	8.1	43.7	1.9	6.2	40.9	45.9
Iran, Islamic Rep.	464	31.4	37.3	2.0	5.5	0.0	16.2	0.4	7.3	31.4	0.2	7.1	24.7	36.1
Ireland	384	66.8	7.6	2.6	3.9	0.3	16.9	0.2	1.8	66.8	0.0	1.8	61.3	72.8
Israel	162	56.5	13.2	6.3	2.3	1.2	11.9	0.6	8.1	56.5	2.6	5.5	50.2	61.1
Japan	646	80.0	2.3	1.8	3.8	0.0	10.6	0.1	1.5	80.0	0.0	1.5	80.3	79.7
Korea	365	81.0	3.1	2.1	3.2	0.3	8.5	0.0	1.8	81.0	0.0	1.8	80.6	81.3
Kuwait	211	7.7	21.3	12.3	8.0	0.1	32.9	0.4	17.4	7.7	5.2	12.2	4.9	10.3
Latvia (LSS)	309	36.3	11.0	4.2	4.3	1.0	27.1	0.3	15.8	36.3	4.2	11.6	33.1	39.3
Lithuania	312	27.0	12.0	6.5	2.3	0.3	27.6	0.9	23.5	27.0	6.2	17.2	24.7	29.4
Netherlands	259	63.7	9.8	3.6	7.1	0.0	13.8	0.0	2.0	63.7	0.9	1.1	62.4	64.9
New Zealand	446	52.1	21.1	2.9	7.5	1.3	12.5	0.7	1.9	52.1	0.3	1.7	46.6	57.4
Norway	411	42.9	15.8	3.0	11.1	2.9	19.3	1.6	3.4	42.9	0.4	3.0	43.9	42.0
Philippines	760	16.6	37.9	5.5	3.0	2.2	18.2	2.9	13.7	16.6	0.8	12.9	17.9	15.1
Portugal	418	16.7	16.9	4.9	4.1	0.7	47.1	2.2	7.4	16.7	0.9	6.5	12.1	21.1
Romania	462	43.1	4.9	1.8	7.2	0.0	26.8	0.2	16.0	43.1	2.6	13.4	40.0	46.2
Russian Federation	502	45.5	8.0	4.3	4.7	0.4	22.0	0.3	14.7	45.5	3.7	11.0	44.0	47.1
Scotland	343	49.2	24.3	2.6	5.3	0.0	15.5	0.3	2.7	49.2	0.2	2.5	46.5	51.9
Singapore	576	92.1	1.4	0.6	1.6	0.0	3.7	0.0	0.6	92.1	0.5	0.2	92.3	91.8
Slovak Republic	441	55.5	4.8	3.8	3.5	0.0	21.1	0.7	10.6	55.5	1.8	8.8	53.2	57.9
Slovenia	329	49.5	13.3	5.0	4.1	0.9	18.9	1.8	6.6	49.5	0.0	6.6	47.9	51.2
South Africa	564	8.0	31.6	2.3	2.6	0.3	21.9	1.3	32.0	8.0	2.3	29.8	7.7	8.8
Spain	476	34.4	39.5	3.7	2.4	4.3	11.9	0.0	3.9	34.4	0.4	3.5	30.8	37.3
Sweden	526	58.8	14.4	4.1	5.6	2.3	11.4	1.3	2.1	58.8	0.2	2.0	58.9	58.6
Switzerland	613	73.5	6.7	1.7	4.2	0.7	10.1	0.0	3.1	73.5	0.6	2.5	73.8	73.3
Thailand	704	67.4	14.2	1.5	2.4	0.0	8.1	0.5	5.9	67.4	0.3	5.6	67.9	67.0
United States	859	43.3	23.3	2.6	6.1	2.6	18.9	0.2	3.0	43.3	0.2	2.9	39.6	47.1
INTERNATIONAL AVG	.	51.5	13.6	3.3	4.4	1.0	17.6	0.6	8.0	51.5	1.4	6.6	50.0	52.8

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 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

Item: O01 KEY: B
 Interpret distance/speed line graph to determine speed at given distance. (Data Rep., Analysis & Prob.)
 Difficulty: 535

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	893	6.1	72.2	16.8	4.4	0.5	72.2	0.0	0.0	0.5	70.8	73.7
Austria	350	6.6	74.5	13.6	4.2	1.1	74.5	0.0	0.0	1.1	72.0	76.1
Belgium (Fl)	365	3.0	81.8	11.4	2.6	1.3	81.8	0.0	0.0	1.3	83.6	80.0
Belgium (Fr)	334	12.0	63.7	14.5	7.8	2.0	63.7	0.0	0.4	1.5	63.7	64.7
Bulgaria	302	8.4	48.6	24.4	13.5	5.1	48.6	0.0	0.0	5.1	44.8	52.7
Canada	1014	6.9	65.9	20.1	6.8	0.3	65.9	0.0	0.0	0.3	60.1	70.6
Colombia	329	17.6	20.3	31.6	21.7	8.8	20.3	0.0	4.2	4.5	15.3	24.9
Cyprus	298	16.1	39.6	27.5	12.7	4.0	39.6	0.3	0.0	3.7	39.7	40.2
Czech Republic	412	6.1	71.1	16.9	4.4	1.5	71.1	0.0	0.0	1.5	67.1	75.1
Denmark	290	6.6	74.9	9.3	8.1	1.2	74.9	0.0	0.0	1.2	69.6	78.8
England	226	9.1	68.7	17.6	4.1	0.5	68.7	0.0	0.0	0.5	65.3	72.5
France	370	6.1	81.3	7.0	5.6	0.0	81.3	0.0	0.0	0.0	77.9	84.9
Germany	354	8.2	69.5	13.0	8.4	0.9	69.5	0.0	0.0	0.9	63.2	75.6
Greece	500	11.3	48.2	24.5	14.5	1.5	48.2	0.0	0.0	1.5	47.2	49.2
Hong Kong	420	13.8	64.9	17.8	3.2	0.5	64.9	0.0	0.0	0.5	57.9	70.2
Hungary	335	7.1	60.5	17.3	13.2	1.9	60.5	0.0	0.0	1.9	55.6	65.1
Iceland	215	7.6	56.1	27.2	9.1	0.0	56.1	0.0	0.0	0.0	45.4	63.9
Iran, Islamic Rep.	448	13.7	25.5	34.4	24.4	2.0	25.5	0.0	0.0	2.0	22.0	28.0
Ireland	386	10.4	63.0	21.6	4.5	0.5	63.0	0.5	0.0	0.0	58.6	67.1
Israel	166	9.6	56.0	19.6	10.7	4.1	56.0	0.0	0.7	3.4	54.6	60.0
Japan	643	3.1	74.7	18.1	3.8	0.4	74.7	0.0	0.0	0.4	73.9	75.3
Korea	355	8.4	67.2	18.1	6.0	0.3	67.2	0.0	0.0	0.3	61.1	72.3
Kuwait	209	15.0	23.6	31.4	28.2	1.8	23.6	0.0	0.0	1.8	14.4	32.2
Latvia (LSS)	307	7.6	57.3	25.7	5.9	3.6	57.3	0.0	0.6	3.0	52.3	62.7
Lithuania	309	5.4	53.0	20.7	15.1	5.8	53.0	0.0	0.0	5.8	45.0	64.7
Netherlands	242	6.1	75.7	15.0	3.1	0.0	75.7	0.0	0.0	0.0	69.7	81.3
New Zealand	462	5.2	65.8	24.7	4.3	0.0	65.8	0.0	0.0	0.0	61.9	69.6
Norway	401	6.7	73.1	14.1	5.3	0.7	73.1	0.0	0.0	0.7	66.5	79.7
Philippines	761	18.4	29.4	38.4	13.5	0.3	29.4	0.0	0.0	0.3	27.6	31.6
Portugal	422	9.8	48.7	22.5	14.7	4.1	48.7	0.0	0.0	4.1	44.9	52.8
Romania	463	10.4	35.7	28.4	19.1	6.5	35.7	0.0	0.0	6.5	35.9	35.4
Russian Federation	489	10.2	48.6	28.0	7.4	5.8	48.6	0.0	0.2	5.6	45.6	52.4
Scotland	352	8.3	70.2	19.0	2.5	0.0	70.2	0.0	0.0	0.0	64.8	75.7
Singapore	586	8.9	67.3	18.9	3.6	1.3	67.3	0.0	0.2	1.1	66.5	68.0
Slovak Republic	428	7.9	56.5	24.5	4.9	6.2	56.5	0.0	0.0	6.2	59.7	53.0
Slovenia	332	7.5	57.3	28.1	4.8	2.3	57.3	0.0	0.0	2.3	48.8	65.6
South Africa	540	17.7	17.3	28.9	34.6	1.4	17.3	0.1	0.5	0.8	12.9	21.2
Spain	468	9.4	47.2	26.8	15.4	1.1	47.2	0.0	0.0	1.1	44.0	50.9
Sweden	460	6.7	74.0	13.7	4.8	0.8	74.0	0.0	0.0	0.8	74.8	73.1
Switzerland	604	7.0	77.3	10.4	4.6	0.8	77.3	0.0	0.3	0.5	74.4	79.9
Thailand	703	14.1	56.1	25.2	3.0	1.6	56.1	0.0	0.1	1.5	54.4	59.4
United States	879	6.2	72.1	18.1	1.7	1.9	72.1	0.1	0.3	1.5	71.9	72.3
INTERNATIONAL AVG	.	9.2	58.4	21.1	9.3	2.0	58.4	0.0	0.2	1.8	54.9	62.0

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: O02 KEY: C
 Calculate percent increase. (Fractions and number sense)
 Difficulty: 680

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	893	57.9	9.2	28.3	3.7	0.8	28.3	0.0	0.2	0.6	22.9	33.6
Austria	350	48.1	10.5	39.9	0.8	0.8	39.9	0.0	0.0	0.8	40.9	38.9
Belgium (Fl)	365	55.3	9.3	33.5	1.6	0.4	33.5	0.0	0.0	0.4	29.1	38.0
Belgium (Fr)	334	46.2	11.4	36.0	1.8	4.6	36.0	0.0	0.4	4.2	28.3	43.2
Bulgaria	302	56.2	6.8	29.3	4.8	2.9	29.3	0.0	0.0	2.9	35.1	23.3
Canada	1014	65.4	11.8	20.0	2.2	0.7	20.0	0.2	0.0	0.5	18.9	22.3
Colombia	329	69.5	10.4	10.8	3.8	5.5	10.8	0.0	4.2	1.3	6.1	15.9
Cyprus	298	64.2	9.1	19.2	5.0	2.5	19.2	0.3	0.0	2.2	21.8	17.0
Czech Republic	412	52.6	7.0	37.5	1.8	1.1	37.5	0.2	0.0	0.9	32.1	42.9
Denmark	290	66.2	7.8	21.8	2.7	1.6	21.8	0.0	0.0	1.6	19.1	24.5
England	226	69.4	5.3	20.5	2.5	2.3	20.5	0.0	0.0	2.3	15.2	26.4
France	370	58.8	8.5	29.3	2.2	1.3	29.3	0.0	0.0	1.3	25.1	34.7
Germany	354	56.3	8.9	32.4	1.3	1.1	32.4	0.3	0.0	0.8	26.5	37.9
Greece	500	70.6	6.8	19.0	1.9	1.6	19.0	0.0	0.0	1.6	19.4	18.6
Hong Kong	420	28.4	15.2	54.1	2.1	0.2	54.1	0.0	0.0	0.2	51.8	55.8
Hungary	335	40.5	7.9	46.3	1.2	4.1	46.3	0.0	0.0	4.1	40.7	51.5
Iceland	215	61.6	13.1	24.0	1.1	0.2	24.0	0.0	0.0	0.2	15.2	30.3
Iran, Islamic Rep.	448	80.7	5.5	10.5	2.7	0.6	10.5	0.0	0.0	0.6	4.1	15.2
Ireland	386	44.9	12.0	38.6	3.5	1.0	38.6	0.5	0.0	0.6	31.7	45.1
Israel	166	51.1	12.8	31.2	2.6	2.3	31.2	0.0	0.7	1.7	22.8	39.8
Japan	643	48.4	9.5	40.9	1.1	0.2	40.9	0.0	0.0	0.2	31.9	48.7
Korea	355	53.3	6.0	37.3	3.4	0.0	37.3	0.0	0.0	0.0	25.5	47.3
Kuwait	209	71.8	4.9	12.9	9.7	0.7	12.9	0.0	0.0	0.7	15.6	10.3
Latvia (LSS)	307	72.5	6.2	16.7	2.7	1.9	16.7	0.0	0.6	1.3	13.2	20.5
Lithuania	309	71.1	5.8	13.6	3.7	5.8	13.6	0.0	0.0	5.8	13.4	14.1
Netherlands	242	36.9	14.3	44.4	4.3	0.0	44.4	0.0	0.0	0.0	35.1	52.6
New Zealand	462	58.9	9.1	30.0	1.8	0.2	30.0	0.0	0.0	0.2	21.1	38.6
Norway	401	57.0	9.2	28.9	3.2	1.7	28.9	0.0	0.0	1.7	21.8	35.8
Philippines	761	69.0	7.1	16.8	6.8	0.3	16.8	0.0	0.0	0.3	16.6	17.1
Portugal	422	77.5	6.2	10.8	1.8	3.7	10.8	0.0	0.0	3.7	5.2	16.7
Romania	463	67.5	5.2	20.3	2.7	4.3	20.3	0.2	0.0	4.2	19.4	21.5
Russian Federation	489	59.0	10.1	26.4	2.5	2.0	26.4	0.3	0.2	1.5	25.6	27.4
Scotland	352	62.9	8.9	25.3	2.5	0.3	25.3	0.0	0.0	0.3	16.8	33.5
Singapore	586	11.4	9.3	77.9	1.3	0.2	77.9	0.0	0.2	0.0	79.3	76.3
Slovak Republic	428	49.5	7.9	34.5	2.4	5.8	34.5	1.2	0.0	4.6	35.0	33.9
Slovenia	331	50.0	14.1	31.0	2.8	2.2	31.0	0.0	0.0	2.2	25.1	36.7
South Africa	540	51.3	6.8	17.5	21.9	2.5	17.5	0.3	0.8	1.4	17.7	17.3
Spain	468	79.5	6.3	11.2	2.0	1.0	11.2	0.0	0.0	1.0	9.5	13.1
Sweden	460	51.7	13.4	31.8	1.7	1.3	31.8	0.0	0.0	1.3	30.3	33.6
Switzerland	604	64.6	7.8	24.7	1.9	1.0	24.7	0.0	0.3	0.8	21.3	27.7
Thailand	703	53.9	7.6	33.0	3.8	1.6	33.0	0.0	0.3	1.3	32.6	33.4
United States	879	66.2	10.1	19.9	1.9	1.8	19.9	0.0	0.4	1.5	15.7	23.2
INTERNATIONAL AVG	.	57.8	8.9	28.3	3.2	1.8	28.3	0.1	0.2	1.5	24.6	31.8

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: O03 KEY: B
 Identify supplementary angles formed by parallel and intersecting lines. (Geometry)
 Difficulty: 581

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	893	11.4	52.6	12.8	9.3	9.4	4.5	52.6	0.0	0.2	4.4	51.8	53.4
Austria	350	13.6	42.3	11.0	10.3	18.1	4.7	42.3	0.0	0.0	4.7	41.2	42.3
Belgium (Fl)	365	10.2	59.1	9.7	6.5	12.2	2.3	59.1	0.3	0.0	2.0	64.0	54.0
Belgium (Fr)	334	8.6	51.8	5.9	6.0	13.2	14.5	51.8	5.1	0.4	9.0	51.9	52.5
Bulgaria	302	13.1	56.2	9.6	3.0	10.1	8.0	56.2	4.6	0.0	3.4	60.7	51.5
Canada	1014	13.2	43.6	14.0	10.6	15.5	3.1	43.6	2.7	0.0	0.4	45.8	41.5
Colombia	329	12.0	17.5	19.3	13.0	23.9	14.4	17.5	3.0	4.2	7.2	17.1	18.0
Cyprus	297	17.2	36.2	16.1	9.0	15.5	6.1	36.2	1.3	0.0	4.7	38.6	33.8
Czech Republic	412	12.6	57.1	6.6	7.3	15.1	1.4	57.1	0.3	0.0	1.1	52.9	61.2
Denmark	290	10.1	39.8	12.1	11.7	10.9	15.5	39.8	1.0	0.0	14.4	43.8	36.7
England	226	19.4	36.6	12.1	8.6	18.3	5.0	36.6	0.0	0.0	5.0	35.2	38.2
France	370	11.2	46.8	9.5	3.4	16.1	13.1	46.8	10.1	0.0	3.0	48.1	45.5
Germany	354	16.0	39.6	11.8	7.2	12.7	12.7	39.6	6.4	0.0	6.4	38.6	40.7
Greece	500	16.7	45.4	10.9	6.8	15.5	4.6	45.4	1.7	0.0	2.9	40.5	49.8
Hong Kong	420	7.3	73.0	7.4	5.0	7.1	0.2	73.0	0.0	0.0	0.2	67.4	77.2
Hungary	333	10.5	54.6	10.4	6.3	10.8	7.5	54.6	0.0	0.0	7.5	51.7	57.4
Iceland	215	17.6	42.0	18.1	9.2	11.3	1.8	42.0	0.2	0.0	1.6	39.0	44.3
Iran, Islamic Rep.	448	20.0	44.6	6.8	9.5	18.1	1.0	44.6	0.2	0.0	0.8	38.0	49.4
Ireland	386	20.4	38.2	14.4	10.7	13.3	3.0	38.2	1.8	0.0	1.1	36.5	39.8
Israel	167	12.6	53.3	8.8	9.4	9.3	6.6	53.3	0.0	0.7	5.9	49.9	52.2
Japan	643	4.1	83.4	3.0	4.4	4.8	0.3	83.4	0.3	0.0	0.0	85.5	81.7
Korea	355	4.9	79.2	5.2	4.1	6.4	0.2	79.2	0.0	0.0	0.2	73.5	83.9
Kuwait	209	15.8	35.9	16.8	11.2	19.3	1.1	35.9	0.0	0.0	1.1	42.8	29.5
Latvia (LSS)	307	14.2	52.5	8.2	7.2	12.7	5.3	52.5	0.0	1.0	4.3	51.6	53.4
Lithuania	309	15.1	46.4	12.6	8.2	9.8	7.9	46.4	2.6	0.0	5.3	45.8	47.2
Netherlands	242	19.2	42.3	12.6	9.2	15.0	1.8	42.3	0.0	0.0	1.8	38.6	46.3
New Zealand	462	13.3	42.4	17.8	8.7	14.2	3.5	42.4	1.8	0.0	1.7	38.7	45.9
Norway	401	14.9	43.1	12.5	10.0	13.2	6.3	43.1	0.0	0.0	6.3	40.7	45.5
Philippines	759	18.8	25.2	15.8	12.6	26.7	0.8	25.2	0.3	0.0	0.5	21.0	30.2
Portugal	422	17.1	30.4	14.8	14.0	20.6	3.0	30.4	0.0	0.0	3.0	28.1	32.8
Romania	462	11.6	44.1	7.3	7.5	14.0	15.5	44.1	6.8	0.0	8.7	40.7	48.6
Russian Federation	489	11.2	59.7	6.5	4.0	13.2	5.4	59.7	1.2	0.2	4.1	60.9	58.2
Scotland	352	22.5	34.2	14.7	8.3	16.0	4.3	34.2	3.3	0.0	1.0	29.3	39.0
Singapore	586	4.9	77.0	8.4	3.0	5.2	1.5	77.0	0.0	0.2	1.3	78.2	75.7
Slovak Republic	429	12.7	50.0	8.8	7.1	13.4	8.0	50.0	1.6	0.0	6.4	48.8	51.3
Slovenia	332	18.3	42.4	12.2	6.1	15.4	5.6	42.4	1.6	0.0	4.1	41.0	43.7
South Africa	540	10.4	25.0	19.7	15.3	23.9	5.7	25.0	3.3	0.8	1.7	20.7	29.1
Spain	468	16.8	35.9	12.0	10.2	17.3	7.8	35.9	0.0	0.0	7.8	37.2	34.5
Sweden	460	11.1	35.6	19.2	13.8	15.9	4.4	35.6	1.4	0.0	3.0	39.1	32.7
Switzerland	604	12.3	54.2	8.2	7.4	13.9	4.0	54.2	1.3	0.3	2.5	56.0	52.4
Thailand	703	9.5	72.5	6.1	4.1	7.1	0.7	72.5	0.0	0.3	0.3	73.9	71.1
United States	879	17.1	33.3	17.3	12.9	16.7	2.6	33.3	0.6	0.4	1.6	28.0	37.3
INTERNATIONAL AVG	.	13.6	47.0	11.6	8.4	14.1	5.4	47.0	1.5	0.2	3.6	46.0	47.8

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

THIRD INTERNATIONAL MATHEMATICS AND SCIENCE STUDY - 1995 ASSESSMENT
 Percent of responses by Math Item Categories - EIGHTH GRADE

May 13, 1998 106

Item: O04 KEY: D
 Identify number rounded to the nearest 100th. (Fractions and number sense)
 Difficulty: 587

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	893	7.8	9.4	10.5	43.9	27.7	0.6	43.9	0.0	0.2	0.4	42.4	45.5
Austria	350	2.9	4.9	14.4	44.8	31.4	1.7	44.8	0.0	0.0	1.7	41.4	48.2
Belgium (Fl)	365	2.7	3.4	10.1	54.7	29.1	0.0	54.7	0.0	0.0	0.0	54.6	54.8
Belgium (Fr)	334	0.7	13.1	11.9	46.5	27.3	0.5	46.5	0.0	0.4	0.1	50.0	43.3
Bulgaria	302	0.9	7.2	19.5	39.8	29.6	3.0	39.8	1.4	0.0	1.6	41.9	37.5
Canada	1014	4.3	7.6	13.0	70.3	4.2	0.5	70.3	0.2	0.0	0.4	69.7	70.4
Colombia	329	4.1	5.4	9.3	25.8	48.4	6.9	25.8	0.3	4.2	2.5	28.0	23.7
Cyprus	297	2.8	19.8	16.7	38.0	19.4	3.4	38.0	0.3	0.4	2.6	39.6	37.2
Czech Republic	412	0.3	4.0	10.1	73.2	12.2	0.3	73.2	0.0	0.0	0.3	74.7	71.8
Denmark	290	8.1	11.9	17.5	30.7	30.7	1.0	30.7	0.0	0.0	1.0	30.6	31.4
England	226	9.4	13.3	15.3	28.3	31.8	2.0	28.3	0.0	0.0	2.0	29.2	27.3
France	370	0.4	12.8	14.6	48.5	23.2	0.5	48.5	0.1	0.1	0.3	46.9	49.9
Germany	354	4.6	9.4	20.3	35.9	28.5	1.3	35.9	0.3	0.0	0.9	32.4	38.7
Greece	500	1.3	10.3	20.6	31.8	34.6	1.4	31.8	0.0	0.0	1.4	26.6	36.5
Hong Kong	420	3.3	10.7	24.3	44.9	16.6	0.2	44.9	0.0	0.0	0.2	37.0	50.9
Hungary	335	1.7	5.3	9.3	53.6	29.8	0.3	53.6	0.0	0.0	0.3	52.9	54.3
Iceland	.	.	.	.	.	.	.	.	.	.	.	.	.
Iran, Islamic Rep.	448	3.2	14.7	19.1	32.1	27.9	3.0	32.1	0.0	0.0	3.0	34.2	30.6
Ireland	386	7.7	10.0	13.6	38.8	28.6	1.3	38.8	0.9	0.0	0.5	37.0	40.5
Israel	167	10.4	15.6	15.8	31.0	22.5	4.7	31.0	0.0	0.7	4.0	26.6	39.8
Japan	643	1.4	5.3	20.4	58.0	14.7	0.2	58.0	0.0	0.0	0.2	56.3	59.4
Korea	355	0.5	2.4	14.0	71.2	11.9	0.0	71.2	0.0	0.0	0.0	67.1	74.8
Kuwait	.	.	.	.	.	.	.	.	.	.	.	.	.
Latvia (LSS)	307	2.4	13.3	20.2	31.5	28.8	3.8	31.5	0.0	1.0	2.8	26.4	37.0
Lithuania	309	0.3	3.9	22.8	53.1	16.8	3.1	53.1	0.0	0.0	3.1	47.0	62.0
Netherlands	242	0.5	5.6	20.5	53.4	19.6	0.4	53.4	0.0	0.0	0.4	44.4	62.2
New Zealand	462	8.3	8.3	12.3	38.5	32.2	0.4	38.5	0.2	0.0	0.2	33.2	43.7
Norway	401	8.7	9.0	18.4	38.5	24.7	0.6	38.5	0.0	0.0	0.6	33.5	43.4
Philippines	760	6.3	16.8	15.4	36.4	24.6	0.4	36.4	0.0	0.0	0.4	37.6	35.1
Portugal	422	1.9	9.6	15.8	44.6	27.1	1.0	44.6	0.0	0.0	1.0	45.9	43.3
Romania	462	1.0	8.1	11.1	26.6	48.6	4.5	26.6	1.2	0.0	3.2	26.9	26.4
Russian Federation	489	0.5	4.0	14.0	66.9	12.5	2.1	66.9	0.0	0.2	1.9	64.9	69.4
Scotland	352	8.5	11.0	19.4	32.6	27.1	1.5	32.6	0.0	0.0	1.5	31.6	33.8
Singapore	586	9.7	2.5	8.9	57.2	21.3	0.3	57.2	0.0	0.3	0.0	56.6	57.9
Slovak Republic	429	0.2	2.9	9.2	67.9	18.1	1.7	67.9	0.4	0.0	1.3	65.0	71.1
Slovenia	332	4.3	6.1	15.7	49.2	23.7	0.9	49.2	0.5	0.0	0.3	52.8	45.7
South Africa	540	10.6	17.3	12.8	20.5	36.5	2.1	20.5	0.0	1.0	1.2	20.1	20.8
Spain	468	3.4	18.2	15.6	28.0	33.0	1.8	28.0	0.0	0.0	1.8	24.0	32.4
Sweden	460	5.9	7.7	11.9	52.1	22.4	0.0	52.1	0.0	0.0	0.0	50.5	53.0
Switzerland	604	1.6	5.6	12.4	48.6	29.6	2.3	48.6	0.3	0.3	1.7	51.4	46.0
Thailand	703	1.0	12.9	14.9	62.2	8.4	0.6	62.2	0.0	0.3	0.3	63.6	60.4
United States	879	3.5	6.2	11.9	65.2	11.1	2.2	65.2	0.0	0.4	1.8	61.5	68.0
INTERNATIONAL AVG	.	3.9	9.1	15.1	45.4	24.9	1.6	45.4	0.2	0.2	1.2	43.9	46.9

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: O05 KEY: D
 Calculate number of cube faces from probability of toss. (Data Rep., Analysis & Prob.)
 Difficulty: 587

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	893	2.4	23.1	17.8	53.2	2.8	0.8	53.2	0.0	0.2	0.6	53.4	53.0
Austria	350	2.0	20.3	16.0	54.2	6.3	1.2	54.2	0.0	0.0	1.2	53.8	54.9
Belgium (Fl)	365	2.5	15.9	10.0	68.4	1.9	1.2	68.4	0.0	0.0	1.2	71.8	64.9
Belgium (Fr)	334	3.1	13.7	14.6	60.8	5.2	2.7	60.8	0.0	0.4	2.2	56.6	64.2
Bulgaria	302	3.9	23.9	17.8	45.9	4.4	4.2	45.9	0.0	0.0	4.2	45.9	46.0
Canada	1014	2.8	20.1	17.0	56.9	2.5	0.7	56.9	0.0	0.0	0.7	55.1	59.2
Colombia	329	9.2	22.3	31.0	14.6	15.7	7.2	14.6	0.0	4.2	3.0	13.2	16.2
Cyprus	297	5.1	18.5	20.3	46.1	7.0	3.0	46.1	0.3	0.4	2.2	43.3	49.7
Czech Republic	412	2.2	31.0	22.9	36.5	4.8	2.7	36.5	0.3	0.0	2.4	33.6	39.3
Denmark	290	1.7	17.5	29.2	45.5	3.6	2.5	45.5	0.0	0.0	2.5	40.5	49.7
England	226	1.3	35.7	18.4	39.1	5.1	0.5	39.1	0.0	0.0	0.5	29.7	49.4
France	370	1.5	16.7	22.0	54.4	3.5	1.9	54.4	0.5	0.1	1.2	52.4	58.4
Germany	354	2.7	21.1	24.5	44.8	4.8	2.2	44.8	0.3	0.0	1.9	43.8	45.3
Greece	500	5.6	21.1	25.6	37.5	8.4	1.8	37.5	0.0	0.0	1.8	33.8	40.8
Hong Kong	420	0.9	10.2	12.8	72.4	3.2	0.5	72.4	0.0	0.0	0.5	65.2	78.0
Hungary	335	2.7	11.5	24.2	54.7	5.0	2.0	54.7	0.0	0.0	2.0	53.5	55.7
Iceland	215	2.2	24.3	14.5	57.0	1.9	0.0	57.0	0.0	0.0	0.0	51.3	61.1
Iran, Islamic Rep.	448	8.6	26.4	31.8	24.0	8.3	0.9	24.0	0.0	0.0	0.9	17.6	28.7
Ireland	386	1.8	12.7	16.9	64.1	3.9	0.6	64.1	0.2	0.0	0.3	59.2	68.7
Israel	167	2.9	15.7	21.9	52.5	0.0	6.9	52.5	0.0	0.7	6.2	42.4	65.5
Japan	643	1.1	14.8	7.3	74.7	1.9	0.2	74.7	0.0	0.0	0.2	76.0	73.7
Korea	355	3.4	18.4	9.3	67.6	1.3	0.0	67.6	0.0	0.0	0.0	62.1	72.3
Kuwait	209	7.7	27.4	29.7	18.6	14.1	2.5	18.6	0.4	0.0	2.1	17.1	19.9
Latvia (LSS)	307	6.5	23.9	25.9	28.3	9.4	5.9	28.3	0.0	1.0	4.9	21.9	35.4
Lithuania	309	5.8	34.1	25.0	22.0	5.5	7.5	22.0	0.0	0.0	7.5	19.0	26.3
Netherlands	242	2.1	15.9	15.1	61.7	3.0	2.2	61.7	0.0	0.0	2.2	47.1	75.6
New Zealand	462	1.7	22.2	20.2	51.7	3.0	1.2	51.7	0.2	0.0	0.9	42.0	61.0
Norway	401	1.6	16.7	15.2	56.8	9.0	0.8	56.8	0.0	0.0	0.8	53.6	59.8
Philippines	761	8.3	30.7	30.2	16.0	14.3	0.4	16.0	0.0	0.0	0.4	16.1	15.9
Portugal	422	4.2	26.3	39.0	21.3	7.1	2.2	21.3	0.0	0.0	2.2	22.5	19.9
Romania	463	7.3	20.2	20.7	32.7	11.3	7.9	32.7	0.3	0.0	7.5	34.1	30.8
Russian Federation	489	6.2	21.3	24.7	33.5	8.6	5.7	33.5	0.0	0.2	5.5	32.9	34.2
Scotland	352	1.4	21.2	24.9	48.0	4.1	0.4	48.0	0.0	0.0	0.4	45.0	51.1
Singapore	586	1.3	5.5	3.4	88.5	0.9	0.5	88.5	0.0	0.3	0.2	90.8	86.1
Slovak Republic	429	4.0	16.8	24.4	43.0	6.6	5.1	43.0	0.2	0.0	4.8	42.9	43.2
Slovenia	332	4.0	24.4	20.7	42.0	5.4	3.5	42.0	0.2	0.0	3.3	35.7	48.1
South Africa	540	12.3	25.1	24.3	15.2	21.5	1.6	15.2	0.3	1.0	0.3	12.2	18.3
Spain	468	4.7	26.7	28.2	33.7	5.8	0.9	33.7	0.0	0.0	0.9	30.7	36.9
Sweden	460	3.2	13.8	18.8	55.0	8.2	1.1	55.0	0.0	0.0	1.1	56.7	53.3
Switzerland	604	3.2	12.4	15.1	64.5	4.0	0.7	64.5	0.0	0.3	0.5	62.9	65.9
Thailand	703	3.4	17.7	18.7	54.6	5.1	0.4	54.6	0.0	0.3	0.1	55.4	53.5
United States	879	1.8	27.1	19.6	47.2	3.2	1.1	47.2	0.1	0.4	0.6	44.3	49.4
INTERNATIONAL AVG	.	3.8	20.6	20.7	46.6	6.0	2.3	46.6	0.1	0.2	2.0	43.7	49.5

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: 006

Calculate time to remove cake after baking 3/4 hour. (Measurement)

Difficulty: 465

COUNTRY	N	10	19	70	71	72	73	74	79	90	99	V1	NOT	OMIT	1.GIRL	2.BOY
													REACH		% Right	% Right
													ED			
Australia	893	79.4	0.1	0.5	1.8	2.4	1.9	0.1	11.7	0.1	1.9	79.6	0.2	1.8	83.2	76.0
Austria	350	85.6	0.9	0.0	0.4	1.6	1.3	0.4	7.0	0.6	2.2	86.5	0.0	2.2	84.7	87.9
Belgium (Fl)	365	69.8	2.2	0.0	2.9	0.9	1.2	2.8	17.2	0.0	3.0	72.0	0.0	3.0	71.5	72.4
Belgium (Fr)	334	0.0	88.3	0.0	0.0	0.0	0.0	0.0	7.9	0.0	3.8	88.3	0.6	3.1	87.2	89.7
Bulgaria	302	47.4	0.4	2.7	3.6	1.4	0.0	0.0	24.4	0.0	20.2	47.8	0.0	20.2	45.3	50.3
Canada	1014	71.3	0.2	1.3	3.7	2.8	2.1	0.5	15.9	0.0	2.4	71.4	0.0	2.4	66.8	76.5
Colombia	329	43.5	1.1	0.5	2.5	0.9	1.8	0.5	38.6	0.2	10.7	44.6	4.2	6.4	43.2	46.4
Cyprus	298	76.1	3.4	0.0	1.2	0.3	0.8	0.8	9.0	0.0	8.5	79.5	0.4	8.1	79.7	78.9
Czech Republic	412	78.5	5.3	0.6	0.7	2.1	1.1	0.3	8.9	1.0	1.4	83.8	0.0	1.4	87.2	80.6
Denmark	290	82.7	0.7	0.4	1.0	3.4	0.9	0.3	6.8	0.0	3.7	83.5	0.0	3.7	81.6	86.3
England	226	80.5	0.0	0.5	1.3	3.3	1.9	0.4	11.3	0.0	0.9	80.5	0.0	0.9	76.2	85.3
France	370	86.4	0.4	0.3	2.0	2.0	2.1	0.3	4.9	0.0	1.6	86.8	0.1	1.5	86.2	87.2
Germany	351	86.3	0.0	0.0	0.7	1.1	3.1	0.0	6.6	0.0	2.2	86.3	0.0	2.2	87.0	85.6
Greece	500	73.7	1.2	0.4	1.8	3.2	1.4	0.0	12.7	0.4	5.1	74.9	0.0	5.1	74.7	75.1
Hong Kong	419	61.8	0.0	0.5	1.7	1.4	2.0	1.2	24.6	0.2	6.7	61.8	0.0	6.7	50.0	70.9
Hungary	335	89.6	0.6	0.3	1.4	0.5	0.2	0.0	5.9	0.0	1.5	90.1	0.0	1.5	91.4	89.0
Iceland	215	72.3	1.1	1.3	1.6	3.9	4.0	0.0	13.2	0.0	2.6	73.4	0.0	2.6	72.0	74.5
Iran, Islamic Rep.	448	16.1	10.8	1.1	2.6	0.1	0.9	0.0	48.4	1.3	18.8	26.8	0.0	18.8	20.5	31.5
Ireland	386	86.6	2.1	0.5	0.9	0.9	1.4	0.8	5.7	0.2	1.0	88.7	0.0	1.0	89.4	88.0
Israel	167	70.4	6.2	0.6	2.7	1.1	1.8	1.2	8.8	0.0	7.2	76.6	0.7	6.5	77.3	82.4
Japan	643	1.4	69.3	0.3	5.0	1.6	0.4	0.3	19.9	0.2	1.7	70.7	0.0	1.7	71.6	70.0
Korea	355	58.1	1.6	0.5	1.0	1.1	1.3	4.4	25.9	0.0	6.0	59.7	0.0	6.0	54.4	64.1
Kuwait	209	19.4	2.6	1.9	4.3	3.1	2.1	0.3	42.8	1.7	21.7	22.0	0.0	21.7	17.6	26.1
Latvia (LSS)	307	44.0	0.3	2.3	5.7	1.1	0.5	0.7	31.5	0.2	13.6	44.3	1.0	12.6	41.8	47.0
Lithuania	309	36.8	0.0	0.8	2.0	0.3	0.3	0.7	41.5	0.3	17.2	36.8	0.4	16.8	32.2	43.6
Netherlands	242	91.1	0.0	0.0	0.0	0.9	1.2	0.0	6.7	0.0	0.0	91.1	0.0	0.0	91.4	90.7
New Zealand	462	79.4	0.9	0.7	1.9	2.4	1.4	0.5	11.9	0.0	0.9	80.3	0.0	0.9	75.3	85.1
Norway	401	78.1	2.4	0.8	0.8	2.1	1.6	0.6	12.2	0.0	1.4	80.5	0.0	1.4	77.5	83.4
Philippines	761	15.6	0.3	8.3	4.9	3.7	0.7	0.0	53.1	1.4	12.1	15.9	0.0	12.1	14.4	17.7
Portugal	422	73.5	0.7	1.2	1.0	1.6	3.9	0.2	15.1	0.2	2.6	74.2	0.0	2.6	70.8	77.7
Romania	463	71.6	1.1	0.6	1.5	0.5	0.8	0.5	15.3	0.0	8.0	72.7	0.0	8.0	72.9	72.4
Russian Federation	489	56.6	4.2	0.5	4.0	0.0	0.9	0.3	24.9	0.9	7.6	60.8	0.4	7.3	62.7	58.4
Scotland	352	85.1	0.9	0.7	0.5	2.4	1.8	0.2	7.0	0.0	1.3	86.0	0.0	1.3	81.6	90.1
Singapore	586	83.8	0.0	0.7	1.3	1.2	1.2	0.6	10.7	0.0	0.6	83.8	0.3	0.3	84.5	83.3
Slovak Republic	429	77.0	10.7	0.0	1.4	1.8	1.0	0.0	5.2	0.4	2.5	87.7	0.0	2.5	86.0	89.7
Slovenia	332	76.2	3.4	1.2	0.3	1.2	1.1	0.3	11.5	0.2	4.5	79.6	0.3	4.2	73.6	85.5
South Africa	541	11.9	0.0	2.3	3.5	2.2	0.9	0.9	62.9	0.0	15.4	11.9	1.0	14.5	10.5	13.3
Spain	468	77.2	5.0	0.8	0.9	2.1	1.6	0.4	9.9	0.0	2.0	82.3	0.0	2.0	80.1	84.6
Sweden	460	84.4	0.2	0.0	1.2	2.3	1.5	0.0	8.1	0.7	1.6	84.5	0.0	1.6	82.5	86.2
Switzerland	604	86.7	1.0	0.0	0.3	0.4	1.3	0.0	9.2	0.0	1.0	87.7	0.3	0.8	83.8	91.4
Thailand	703	43.0	0.7	3.1	6.6	1.5	0.4	0.0	39.1	0.2	5.4	43.7	0.3	5.1	43.8	43.7
United States	879	56.3	0.1	2.8	6.5	2.4	3.4	3.2	22.1	0.4	2.9	56.4	0.4	2.5	54.9	57.6
INTERNATIONAL AVG	.	63.5	5.5	1.0	2.1	1.6	1.4	0.6	18.5	0.3	5.6	68.9	0.2	5.4	67.1	70.9

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 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

Item: O07 KEY: B
 Solve linear equation for X. (Algebra)
 Difficulty: 474

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	893	6.1	73.3	17.6	1.2	1.8	73.3	0.0	0.2	1.6	77.9	68.9
Austria	350	4.0	80.2	12.1	0.6	3.1	80.2	0.0	0.0	3.1	80.0	80.7
Belgium (Fl)	365	7.4	80.4	10.8	0.4	1.0	80.4	0.0	0.0	1.0	88.0	72.4
Belgium (Fr)	334	4.8	76.1	13.7	1.2	4.2	76.1	0.0	0.6	3.6	79.0	73.3
Bulgaria	302	3.8	84.1	7.2	1.9	3.0	84.1	0.0	0.0	3.0	87.7	80.4
Canada	1014	8.8	73.2	15.7	1.0	1.2	73.2	0.1	0.0	1.1	70.9	75.5
Colombia	329	24.2	42.5	20.0	1.4	11.8	42.5	0.1	4.2	7.5	38.9	46.0
Cyprus	297	12.5	70.8	10.8	3.8	2.1	70.8	0.3	0.4	1.3	75.4	65.9
Czech Republic	412	4.1	86.2	7.1	1.0	1.6	86.2	0.3	0.0	1.3	87.0	85.4
Denmark	290	8.2	69.7	15.0	0.3	6.9	69.7	0.3	0.0	6.6	65.4	73.2
England	226	6.3	61.5	28.4	2.1	1.7	61.5	0.0	0.0	1.7	59.4	63.7
France	370	6.2	82.0	7.5	0.7	3.6	82.0	0.4	0.1	3.1	84.3	80.9
Germany	354	7.1	79.0	8.8	0.4	4.7	79.0	0.2	0.0	4.5	80.1	77.8
Greece	500	8.8	74.8	11.4	2.0	3.0	74.8	0.0	0.0	3.0	76.1	73.8
Hong Kong	420	4.0	92.1	2.8	0.3	0.8	92.1	0.0	0.0	0.8	89.9	93.7
Hungary	335	1.1	89.5	6.0	0.2	3.2	89.5	0.3	0.0	2.8	88.6	90.3
Iceland	215	11.0	55.7	29.9	0.2	3.1	55.7	0.0	0.0	3.1	49.4	60.3
Iran, Islamic Rep.	448	22.9	46.8	20.3	9.1	1.0	46.8	0.2	0.0	0.8	46.5	47.0
Ireland	386	12.4	71.8	11.5	2.3	2.1	71.8	0.5	0.0	1.5	72.6	71.0
Israel	167	5.3	86.3	4.7	0.5	3.2	86.3	0.0	0.7	2.5	81.5	89.7
Japan	643	4.3	90.1	4.3	0.9	0.3	90.1	0.0	0.0	0.3	91.0	89.3
Korea	355	3.1	91.6	4.8	0.5	0.0	91.6	0.0	0.0	0.0	92.4	90.9
Kuwait	209	9.2	50.4	32.7	5.7	2.0	50.4	0.0	0.0	2.0	50.1	50.6
Latvia (LSS)	307	6.1	75.1	12.1	2.3	4.5	75.1	0.0	1.0	3.5	75.7	74.3
Lithuania	309	9.9	72.0	7.1	5.6	5.5	72.0	0.0	0.4	5.1	69.6	75.4
Netherlands	242	10.9	65.0	19.0	4.3	0.8	65.0	0.0	0.0	0.8	58.9	70.4
New Zealand	462	7.4	68.6	22.0	0.7	1.4	68.6	0.0	0.0	1.4	66.3	70.8
Norway	401	12.1	51.9	29.9	2.3	3.8	51.9	0.0	0.0	3.8	53.8	50.1
Philippines	761	18.5	42.3	26.9	11.6	0.7	42.3	0.1	0.0	0.5	47.4	36.2
Portugal	422	9.2	60.2	24.7	2.9	3.0	60.2	0.0	0.0	3.0	62.1	58.3
Romania	463	5.9	77.5	8.4	2.0	6.2	77.5	0.6	0.0	5.6	81.0	72.8
Russian Federation	489	4.0	87.8	4.5	0.6	3.2	87.8	0.0	0.4	2.8	87.6	88.0
Scotland	352	7.8	61.8	24.6	2.7	3.0	61.8	0.2	0.0	2.8	64.7	59.4
Singapore	586	2.3	95.9	1.5	0.0	0.3	95.9	0.0	0.3	0.0	97.3	94.4
Slovak Republic	429	7.3	84.4	5.2	1.0	2.2	84.4	0.0	0.0	2.2	87.6	80.8
Slovenia	332	4.7	86.4	6.6	0.8	1.5	86.4	0.4	0.3	0.8	84.7	88.0
South Africa	540	14.8	39.1	31.9	10.0	4.2	39.1	0.0	1.2	3.0	38.9	39.6
Spain	468	10.5	76.1	8.7	2.1	2.6	76.1	0.0	0.0	2.6	77.7	74.4
Sweden	460	11.1	50.9	32.7	3.2	2.2	50.9	0.2	0.0	2.0	51.5	50.3
Switzerland	604	4.9	76.9	14.0	1.2	3.1	76.9	0.0	0.3	2.8	80.0	74.1
Thailand	703	9.7	78.5	9.3	1.7	0.8	78.5	0.3	0.3	0.2	81.8	73.3
United States	879	10.6	72.5	14.2	1.4	1.3	72.5	0.0	0.4	0.9	70.0	74.4
INTERNATIONAL AVG	.	8.4	72.2	14.4	2.2	2.7	72.2	0.1	0.3	2.4	72.6	71.6

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: O08 KEY: B
 Find center point of rotation for symmetry-related figures. (Geometry)
 Difficulty: 483

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	893	5.1	73.6	4.1	14.2	2.2	0.8	73.6	0.0	0.2	0.6	76.3	71.1
Austria	350	1.0	78.2	4.6	13.0	1.6	1.6	78.2	0.0	0.0	1.6	80.6	75.1
Belgium (Fl)	365	4.6	77.9	1.7	8.8	4.4	2.6	77.9	0.0	0.0	2.6	74.6	81.4
Belgium (Fr)	334	3.3	81.4	1.9	8.6	2.0	2.8	81.4	0.0	1.0	1.7	76.7	86.2
Bulgaria	302	3.4	79.0	4.7	7.1	3.6	2.2	79.0	0.5	0.0	1.7	82.6	75.2
Canada	1014	4.1	77.5	3.2	11.7	3.0	0.5	77.5	0.0	0.0	0.5	78.3	77.5
Colombia	329	7.4	51.6	8.4	23.0	4.6	5.0	51.6	0.0	4.2	0.7	53.5	49.2
Cyprus	297	6.1	56.9	8.1	21.5	4.8	2.7	56.9	0.6	0.4	1.6	64.4	50.7
Czech Republic	412	1.1	78.1	2.3	16.2	1.4	0.9	78.1	0.2	0.0	0.6	79.7	76.6
Denmark	290	3.3	81.0	1.8	9.1	1.5	3.2	81.0	0.6	0.0	2.6	80.7	81.6
England	226	4.3	62.2	5.3	25.0	3.2	0.0	62.2	0.0	0.0	0.0	64.1	60.2
France	370	2.5	81.3	1.2	11.2	2.3	1.5	81.3	0.6	0.1	0.8	76.2	87.6
Germany	354	5.2	66.8	8.7	8.7	5.8	4.7	66.8	0.4	0.0	4.4	63.3	70.5
Greece	500	6.7	61.1	5.8	18.3	6.5	1.6	61.1	0.3	0.0	1.3	60.2	61.9
Hong Kong	420	3.5	83.3	2.5	10.1	0.5	0.0	83.3	0.0	0.0	0.0	79.9	86.0
Hungary	335	4.3	85.7	0.5	6.3	1.5	1.7	85.7	0.3	0.0	1.4	81.1	90.1
Iceland	215	3.1	48.3	13.6	12.0	22.5	0.4	48.3	0.0	0.0	0.4	38.9	55.3
Iran, Islamic Rep.	448	7.5	57.9	4.9	20.8	8.1	0.8	57.9	0.2	0.0	0.6	52.7	61.9
Ireland	386	2.9	65.0	4.4	24.4	2.8	0.5	65.0	0.2	0.0	0.3	63.2	66.8
Israel	167	5.1	72.3	4.6	10.9	3.6	3.5	72.3	0.0	0.7	2.8	64.2	78.6
Japan	643	0.6	92.8	1.9	4.1	0.6	0.0	92.8	0.0	0.0	0.0	94.3	91.6
Korea	355	2.1	87.0	0.8	7.9	2.2	0.0	87.0	0.0	0.0	0.0	85.6	88.3
Kuwait	209	6.3	51.8	9.6	28.5	3.5	0.4	51.8	0.1	0.0	0.2	56.8	47.1
Latvia (LSS)	307	1.9	75.6	2.8	13.2	2.5	3.9	75.6	0.0	1.0	2.9	76.0	75.1
Lithuania	309	2.3	69.3	6.7	17.4	0.0	4.3	69.3	0.2	0.4	3.7	69.7	68.7
Netherlands	242	7.1	66.7	6.5	9.1	10.6	0.0	66.7	0.0	0.0	0.0	56.4	76.4
New Zealand	462	3.3	73.9	3.0	16.8	2.2	0.7	73.9	0.0	0.0	0.7	73.9	74.0
Norway	401	8.3	42.1	12.9	15.8	18.2	2.7	42.1	0.2	0.0	2.5	35.2	48.8
Philippines	761	12.7	54.7	8.0	19.2	5.3	0.1	54.7	0.0	0.0	0.1	51.9	58.0
Portugal	422	4.0	63.1	5.9	22.7	2.5	1.8	63.1	0.0	0.0	1.8	60.9	65.3
Romania	462	5.6	61.6	5.9	17.7	2.3	6.9	61.6	4.2	0.0	2.7	59.4	64.4
Russian Federation	489	3.3	78.7	2.1	12.2	1.6	2.1	78.7	0.3	0.4	1.4	77.5	80.2
Scotland	352	2.2	59.9	8.0	23.1	6.2	0.7	59.9	0.0	0.0	0.7	58.6	61.5
Singapore	586	2.1	85.6	1.7	7.3	2.5	0.8	85.6	0.0	0.3	0.5	81.3	89.9
Slovak Republic	430	1.5	87.3	2.3	6.5	1.4	1.0	87.3	0.2	0.0	0.8	86.1	88.5
Slovenia	332	1.0	83.5	2.1	9.7	2.3	1.5	83.5	0.0	0.3	1.2	81.7	85.3
South Africa	540	8.5	36.9	10.8	38.4	3.0	2.6	36.9	0.0	1.7	0.9	35.5	38.5
Spain	468	4.2	66.6	5.4	16.7	4.9	2.1	66.6	0.0	0.0	2.1	62.9	70.8
Sweden	460	5.9	53.4	8.0	22.6	7.8	2.3	53.4	0.2	0.0	2.1	53.7	53.0
Switzerland	604	2.7	80.9	2.5	11.6	0.8	1.5	80.9	0.2	0.3	1.0	76.3	85.2
Thailand	703	4.7	79.7	2.2	10.9	1.3	1.2	79.7	0.0	0.4	0.8	81.6	77.1
United States	879	4.5	65.1	5.8	19.8	3.8	1.0	65.1	0.0	0.4	0.6	62.3	67.3
INTERNATIONAL AVG	.	4.3	69.9	4.9	15.0	4.1	1.8	69.9	0.2	0.3	1.3	68.3	71.4

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: 009
 Solve division word problem: common fractions. (Fractions and number sense)
 Difficulty: 571

COUNTRY	N	10	70	71	72	73	74	75	79	90	99	V1	NOT	OMIT	1.GIRL	2.BOY
													REACH		% Right	% Right
													ED			
Australia	893	64.7	0.1	0.6	1.3	1.1	6.0	3.5	15.2	1.1	6.4	64.7	0.3	6.0	62.8	66.6
Austria	350	67.4	0.0	1.3	1.1	0.5	3.1	4.8	14.9	2.0	4.9	67.4	0.0	4.9	62.7	71.9
Belgium (Fl)	365	74.3	1.4	0.4	2.2	0.2	1.8	2.5	13.1	0.0	4.1	74.3	0.0	4.1	72.7	75.9
Belgium (Fr)	334	66.6	0.0	0.0	0.0	0.0	0.0	0.0	23.1	0.0	10.3	66.6	1.0	9.3	62.9	70.3
Bulgaria	302	43.7	3.3	2.9	3.9	3.2	4.9	0.4	13.7	0.2	23.8	43.7	0.0	23.8	46.4	40.9
Canada	1014	55.1	1.1	2.8	0.7	2.8	4.9	6.0	18.2	0.7	7.7	55.1	0.0	7.7	49.4	62.1
Colombia	329	14.9	1.7	3.7	1.5	3.6	3.5	7.8	33.7	1.5	28.1	14.9	4.2	23.8	9.7	20.6
Cyprus	297	37.4	1.6	4.9	1.6	4.2	5.9	3.4	15.4	0.6	25.1	37.4	0.4	24.7	29.7	45.4
Czech Republic	412	57.2	0.3	1.7	1.5	3.2	8.1	3.2	14.2	1.7	8.9	57.2	0.0	8.9	54.5	59.9
Denmark	290	54.9	1.0	0.4	3.6	2.1	6.8	3.0	12.7	0.0	15.5	54.9	0.0	15.5	49.6	60.6
England	226	52.5	1.1	1.7	3.4	3.6	8.4	4.7	20.0	1.9	2.9	52.5	0.0	2.9	50.1	55.1
France	370	50.6	1.5	5.2	1.5	0.8	2.8	3.4	18.7	0.2	15.2	50.6	0.1	15.1	43.9	58.7
Germany	351	58.5	0.0	0.4	3.9	1.6	5.1	4.8	12.7	0.8	12.2	58.5	0.0	12.2	48.7	67.1
Greece	500	29.3	0.3	4.8	3.2	2.5	8.2	6.8	16.0	1.8	26.9	29.3	0.0	26.9	25.3	32.9
Hong Kong	419	69.9	0.2	4.5	2.2	1.0	6.0	4.0	7.2	0.3	4.6	69.9	0.0	4.6	59.9	77.6
Hungary	335	51.5	0.6	6.7	0.8	2.1	4.9	3.9	15.7	0.7	13.2	51.5	0.0	13.2	42.4	60.0
Iceland	215	48.7	0.0	0.0	2.3	2.4	16.4	9.1	17.8	0.0	3.2	48.7	0.2	3.0	41.2	54.1
Iran, Islamic Rep.	448	22.5	0.5	16.7	3.8	2.9	11.0	6.5	20.3	1.1	14.7	22.5	0.0	14.7	17.2	26.4
Ireland	386	70.2	1.1	2.1	0.5	1.1	2.0	4.0	14.5	0.5	4.0	70.2	0.0	4.0	64.0	76.1
Israel	167	51.6	1.2	4.4	0.7	4.1	5.7	1.8	11.0	0.0	19.5	51.6	1.5	18.0	45.0	60.1
Japan	643	54.5	0.4	0.4	3.0	3.5	20.4	5.1	8.4	0.7	3.6	54.5	0.0	3.6	52.0	56.6
Korea	355	56.8	0.5	3.4	3.4	2.9	7.5	5.7	14.3	0.0	5.4	56.8	0.0	5.4	47.3	64.8
Kuwait	209	21.9	7.4	5.8	0.0	1.8	3.3	5.6	33.6	1.1	19.4	21.9	0.0	19.4	20.7	23.1
Latvia (LSS)	307	42.1	0.3	2.9	1.8	2.5	3.3	1.7	25.9	1.8	17.7	42.1	1.0	16.7	37.7	46.8
Lithuania	309	32.1	1.7	2.0	2.4	1.2	3.2	1.7	21.3	0.3	34.2	32.1	0.7	33.5	26.5	40.3
Netherlands	242	75.2	1.1	2.7	1.5	0.0	2.1	2.0	12.0	1.8	1.6	75.2	0.0	1.6	65.8	84.2
New Zealand	462	60.0	0.5	1.7	1.1	2.5	2.2	4.3	20.9	0.0	7.0	60.0	0.0	7.0	53.2	66.5
Norway	401	47.8	0.2	0.6	2.8	5.3	11.3	6.9	17.3	1.8	6.1	47.8	0.0	6.1	39.8	55.6
Philippines	761	16.6	8.3	5.8	1.7	2.5	4.1	8.5	38.6	0.9	13.0	16.6	0.0	13.0	17.1	15.9
Portugal	421	25.9	0.0	1.0	5.5	4.4	11.0	8.5	22.2	1.4	20.1	25.9	0.0	20.1	21.9	30.2
Romania	463	41.2	1.4	4.5	1.9	1.2	2.3	1.8	19.5	0.2	26.0	41.2	0.0	26.0	40.8	41.7
Russian Federation	489	47.3	0.8	7.0	1.5	0.9	2.2	2.2	21.1	1.0	16.1	47.3	0.4	15.7	48.1	46.3
Scotland	352	61.2	1.4	2.8	1.3	1.5	6.3	3.8	14.1	0.6	7.0	61.2	0.0	7.0	55.2	67.2
Singapore	586	84.0	0.9	1.5	2.0	0.3	1.4	1.1	6.7	0.2	1.8	84.0	0.3	1.5	84.5	83.8
Slovak Republic	430	51.1	0.4	4.7	1.5	0.5	2.8	4.6	15.6	1.5	17.2	51.1	0.0	17.2	47.8	54.8
Slovenia	332	50.6	0.3	2.1	2.7	1.2	8.1	5.3	11.5	1.1	17.0	50.6	0.3	16.7	41.2	59.9
South Africa	541	5.8	1.0	1.0	3.5	3.2	3.1	10.2	54.8	0.2	17.2	5.8	2.1	15.1	3.6	7.9
Spain	468	40.5	0.0	5.1	0.9	3.1	6.2	4.4	24.2	0.1	15.5	40.5	0.0	15.5	36.4	45.1
Sweden	460	52.7	0.4	0.4	7.3	2.2	6.8	4.3	16.7	2.7	6.6	52.7	0.0	6.6	54.1	51.5
Switzerland	604	72.5	0.1	0.9	2.1	0.6	3.1	3.3	12.0	0.8	4.5	72.5	0.3	4.2	68.0	76.7
Thailand	703	48.6	0.3	2.0	2.2	3.7	6.9	6.2	21.6	0.4	8.2	48.6	0.4	7.8	49.0	47.4
United States	879	51.4	1.4	5.1	1.9	3.4	6.3	3.1	19.3	1.1	6.9	51.4	0.4	6.6	42.5	58.2
INTERNATIONAL AVG	.	49.5	1.1	3.1	2.2	2.2	5.7	4.4	18.6	0.8	12.5	49.5	0.3	12.1	45.0	54.0

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 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

Item: P08 KEY: D
 Know relationship between side and perimeter for square. (Geometry)
 Difficulty: 536

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	919	16.6	13.2	7.6	59.6	3.0	59.6	0.0	0.3	2.7	60.5	58.7
Austria	350	14.0	11.1	2.2	69.5	3.2	69.5	0.0	0.2	3.0	67.7	72.2
Belgium (Fl)	351	13.8	10.1	3.3	71.7	1.1	71.7	0.0	0.0	1.1	73.2	70.3
Belgium (Fr)	330	16.4	11.5	2.0	62.2	7.8	62.2	0.3	1.1	6.4	65.7	59.8
Bulgaria	350	10.2	16.7	7.6	56.1	9.4	56.1	1.2	1.6	6.6	63.5	47.2
Canada	1030	11.2	13.3	5.4	68.6	1.5	68.6	0.0	0.3	1.2	64.0	72.8
Colombia	341	21.2	21.4	9.0	36.6	11.9	36.6	0.3	2.3	9.3	37.1	36.4
Cyprus	349	15.1	19.0	8.8	55.3	1.9	55.3	0.0	0.0	1.9	56.7	54.6
Czech Republic	422	19.4	8.1	5.0	59.8	7.8	59.8	1.7	0.0	6.1	60.4	59.1
Denmark	280	24.4	15.0	9.0	34.8	16.9	34.8	0.0	1.1	15.8	30.8	38.9
England	229	18.3	17.6	8.6	52.2	3.2	52.2	0.0	0.0	3.2	50.8	53.4
France	370	10.5	9.7	2.8	69.3	7.6	69.3	0.0	0.0	7.6	66.0	72.1
Germany	352	30.1	12.0	4.7	45.4	7.8	45.4	0.0	0.3	7.6	52.5	38.6
Greece	499	13.4	13.2	7.1	61.1	5.2	61.1	0.2	0.8	4.3	59.6	62.4
Hong Kong	414	11.8	10.2	5.7	70.7	1.5	70.7	0.0	0.5	1.0	66.4	74.3
Hungary	368	15.5	17.8	6.0	54.8	5.9	54.8	0.0	1.2	4.6	52.2	57.8
Iceland	210	21.3	34.8	8.8	32.2	2.9	32.2	0.0	0.0	2.9	32.7	31.8
Iran, Islamic Rep.	464	29.4	11.3	5.3	50.3	3.7	50.3	0.0	0.1	3.6	46.2	54.0
Ireland	378	19.1	18.1	7.3	53.6	1.9	53.6	0.4	0.4	1.0	49.8	57.5
Israel	158	8.2	12.8	4.0	69.3	5.8	69.3	0.0	1.2	4.6	65.8	73.3
Japan	632	11.6	5.0	2.5	80.2	0.6	80.2	0.0	0.2	0.5	81.6	78.8
Korea	364	10.1	7.6	3.9	78.2	0.2	78.2	0.0	0.0	0.2	82.2	74.6
Kuwait	209	10.7	35.8	10.9	37.9	4.6	37.9	0.0	2.0	2.6	44.9	30.8
Latvia (LSS)	302	17.4	18.8	3.7	54.3	5.8	54.3	0.0	0.8	5.0	51.3	57.8
Lithuania	306	17.9	17.7	1.4	46.5	16.5	46.5	0.0	2.0	14.5	43.9	50.2
Netherlands	250	22.8	9.3	4.0	59.9	3.9	59.9	0.0	0.8	3.1	61.9	56.8
New Zealand	459	22.2	18.7	7.8	48.1	3.2	48.1	0.2	0.6	2.5	46.7	49.4
Norway	398	21.6	21.4	11.6	40.6	4.7	40.6	0.0	0.0	4.7	41.7	39.5
Philippines	727	24.6	24.2	14.7	35.8	0.7	35.8	0.0	0.1	0.6	36.0	35.3
Portugal	428	11.9	26.9	7.9	48.2	5.1	48.2	0.0	0.2	4.9	44.9	51.7
Romania	463	9.7	15.3	4.7	59.0	11.2	59.0	0.2	1.0	10.0	60.9	57.1
Russian Federation	486	14.2	20.7	2.4	55.1	7.6	55.1	0.0	1.4	6.2	54.0	56.2
Scotland	355	19.0	21.1	7.2	48.5	4.2	48.5	0.0	0.3	3.9	44.7	52.1
Singapore	580	10.7	5.9	1.6	80.5	1.4	80.5	0.0	0.8	0.6	83.6	77.5
Slovak Republic	427	15.6	10.8	3.4	67.5	2.8	67.5	0.3	0.0	2.5	64.3	71.3
Slovenia	327	8.6	15.4	4.9	69.2	1.9	69.2	0.0	0.0	1.9	66.4	71.8
South Africa	509	25.6	23.6	14.1	31.2	5.4	31.2	0.3	1.8	3.3	30.4	32.0
Spain	472	16.3	18.4	4.7	55.4	5.3	55.4	0.0	0.7	4.6	56.5	54.3
Sweden	540	17.9	20.4	12.7	47.3	1.7	47.3	0.2	0.0	1.4	45.9	48.7
Switzerland	615	26.2	9.4	5.6	55.1	3.6	55.1	0.4	0.1	3.2	51.4	59.3
Thailand	687	15.9	13.5	4.3	64.1	2.3	64.1	0.0	0.7	1.5	68.5	57.0
United States	872	13.6	20.9	8.5	54.8	2.3	54.8	0.0	0.3	1.9	53.3	56.0
INTERNATIONAL AVG	.	16.8	16.1	6.3	56.0	4.9	56.0	0.1	0.6	4.1	55.6	56.3

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: P09 KEY: C
 Find length of side for similar triangles. (Geometry)
 Difficulty: 617

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	919	3.9	28.1	34.5	27.0	3.9	2.7	34.5	0.0	0.3	2.4	32.1	36.8
Austria	350	1.0	19.5	46.1	29.0	2.3	2.0	46.1	0.0	0.2	1.8	51.0	41.4
Belgium (Fl)	351	3.1	17.4	52.0	25.1	0.9	1.5	52.0	0.0	0.0	1.5	48.6	55.4
Belgium (Fr)	330	3.3	18.2	60.5	9.5	2.6	6.0	60.5	0.0	1.1	4.9	58.9	62.4
Bulgaria	350	6.8	42.3	24.7	11.3	1.1	13.9	24.7	0.0	1.8	12.0	25.4	23.9
Canada	1030	2.9	26.7	37.4	27.2	4.6	1.2	37.4	0.1	0.3	0.8	36.2	39.1
Colombia	341	4.7	14.2	17.8	39.9	6.8	16.7	17.8	0.0	3.8	12.9	15.0	20.5
Cyprus	349	9.6	28.5	28.9	26.4	5.5	1.1	28.9	0.0	0.0	1.1	23.9	32.2
Czech Republic	421	1.3	24.6	49.7	19.5	2.0	2.8	49.7	0.4	0.0	2.4	40.3	58.8
Denmark	280	1.9	11.3	40.4	28.4	1.9	16.2	40.4	0.5	1.1	14.6	39.5	41.8
England	229	2.4	25.9	28.5	39.0	2.1	2.2	28.5	0.0	0.0	2.2	26.4	30.2
France	370	4.0	15.0	58.1	19.5	0.9	2.5	58.1	0.0	0.0	2.5	56.0	61.9
Germany	352	4.1	21.8	37.4	24.1	1.3	11.3	37.4	0.7	0.3	10.3	36.4	40.4
Greece	499	5.3	36.4	27.7	20.1	2.5	7.9	27.7	0.2	1.1	6.7	23.8	31.3
Hong Kong	416	2.9	17.6	56.5	17.5	2.8	2.6	56.5	0.0	0.5	2.1	52.8	59.6
Hungary	368	2.9	19.6	38.2	28.4	2.8	8.0	38.2	0.0	1.2	6.8	37.5	39.1
Iceland	211	1.8	27.0	38.2	27.2	2.3	3.5	38.2	0.6	0.0	2.9	42.6	34.0
Iran, Islamic Rep.	464	6.9	41.8	17.9	18.0	9.1	6.4	17.9	1.3	0.1	5.0	18.1	17.9
Ireland	378	2.0	25.3	33.8	33.7	2.7	2.6	33.8	0.9	0.4	1.2	32.8	34.8
Israel	158	4.4	26.2	33.5	22.5	7.2	6.2	33.5	0.0	1.2	5.0	33.6	33.2
Japan	632	0.9	15.0	71.5	11.3	0.9	0.5	71.5	0.0	0.2	0.3	74.6	68.4
Korea	364	3.1	20.1	61.8	13.5	1.0	0.5	61.8	0.0	0.0	0.5	65.2	58.8
Kuwait	209	7.2	42.7	13.6	23.7	8.0	4.8	13.6	0.0	2.1	2.7	11.5	15.8
Latvia (LSS)	302	2.0	32.5	31.7	22.8	3.6	7.3	31.7	0.0	0.8	6.5	29.4	34.4
Lithuania	306	3.2	28.0	27.0	20.5	4.3	17.0	27.0	0.7	2.3	14.0	25.7	28.9
Netherlands	250	3.4	29.6	34.9	28.6	2.6	0.9	34.9	0.0	0.8	0.1	31.5	39.7
New Zealand	459	3.1	25.2	33.0	32.9	3.2	2.6	33.0	0.6	0.6	1.5	31.6	34.2
Norway	398	2.4	24.9	37.5	31.5	0.9	2.8	37.5	0.0	0.0	2.8	36.5	38.5
Philippines	727	8.7	14.9	26.7	31.6	13.5	4.7	26.7	4.1	0.1	0.4	25.1	28.8
Portugal	428	4.7	29.5	32.3	25.4	3.5	4.5	32.3	0.0	0.5	4.0	33.4	31.2
Romania	462	5.1	28.1	38.1	10.6	5.4	12.7	38.1	0.6	1.8	10.3	39.7	36.6
Russian Federation	486	5.2	29.2	40.8	14.3	3.8	6.8	40.8	0.1	1.6	5.0	37.0	44.8
Scotland	355	0.0	24.0	32.1	39.8	1.9	2.3	32.1	0.0	0.3	2.0	29.7	34.3
Singapore	580	2.7	9.9	66.8	17.1	2.4	1.1	66.8	0.0	1.1	0.0	69.0	64.9
Slovak Republic	426	2.8	25.7	46.5	19.1	2.2	3.7	46.5	0.2	0.0	3.5	47.2	45.6
Slovenia	328	2.9	22.5	47.5	22.9	0.9	3.3	47.5	0.4	0.0	2.9	45.3	49.5
South Africa	509	10.8	13.5	22.3	28.1	19.7	5.6	22.3	0.3	1.8	3.5	23.1	21.5
Spain	472	4.3	30.4	32.3	24.2	3.7	5.1	32.3	0.0	0.7	4.4	26.4	37.9
Sweden	540	2.6	27.9	37.9	26.2	2.8	2.6	37.9	0.6	0.0	2.0	39.8	35.7
Switzerland	615	2.6	22.4	40.7	27.7	2.0	4.7	40.7	0.6	0.1	4.0	40.3	41.2
Thailand	687	3.1	22.2	39.6	28.9	4.0	2.1	39.6	0.0	0.8	1.3	42.2	35.2
United States	872	3.5	27.8	28.4	31.1	6.4	2.8	28.4	0.2	0.3	2.3	27.2	29.5
INTERNATIONAL AVG	.	3.8	24.6	38.2	24.4	3.8	5.1	38.2	0.3	0.7	4.1	37.2	39.3

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: P10 KEY: B
 Identify equivalent algebraic expressions. (Algebra)
 Difficulty: 540

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	919	6.7	64.5	24.4	2.8	1.6	64.5	0.0	0.3	1.3	65.3	63.8
Austria	350	7.2	73.2	16.2	2.0	1.5	73.2	0.0	0.4	1.0	72.6	73.7
Belgium (Fl)	351	7.6	68.5	21.4	2.4	0.0	68.5	0.0	0.0	0.0	65.1	71.9
Belgium (Fr)	330	4.3	63.6	21.2	3.6	7.3	63.6	0.0	1.2	6.1	63.8	63.9
Bulgaria	350	6.0	71.8	12.1	3.0	7.1	71.8	1.9	2.0	3.3	71.2	72.5
Canada	1030	7.8	60.7	27.6	2.9	1.1	60.7	0.1	0.3	0.6	55.7	65.4
Colombia	341	11.1	33.9	43.6	3.6	7.9	33.9	0.0	5.0	3.0	36.6	30.3
Cyprus	349	12.5	58.8	23.7	4.1	0.8	58.8	0.0	0.0	0.8	57.4	60.5
Czech Republic	421	3.9	75.0	19.5	0.2	1.4	75.0	0.7	0.0	0.7	74.5	75.5
Denmark	280	10.4	36.3	42.3	4.0	6.9	36.3	0.2	1.1	5.6	25.9	46.4
England	229	17.1	41.6	33.9	4.4	3.0	41.6	0.0	0.0	3.0	45.4	38.5
France	370	5.6	64.8	26.8	1.0	1.9	64.8	0.0	0.0	1.9	63.2	66.1
Germany	352	7.5	57.0	23.7	5.0	6.8	57.0	0.8	0.3	5.7	62.0	54.4
Greece	499	9.1	56.8	29.0	1.5	3.7	56.8	0.8	1.1	1.8	57.3	56.3
Hong Kong	416	4.3	79.0	12.2	2.5	1.9	79.0	0.5	0.5	1.0	73.5	83.1
Hungary	368	5.1	72.0	16.9	4.2	1.9	72.0	0.0	1.2	0.7	70.0	74.2
Iceland	211	17.6	58.6	19.9	2.8	1.1	58.6	0.0	0.2	0.9	65.3	52.2
Iran, Islamic Rep.	464	15.8	33.6	38.8	7.4	4.4	33.6	0.0	0.7	3.7	35.9	31.6
Ireland	378	7.2	52.9	37.1	1.5	1.3	52.9	0.0	0.4	0.8	50.5	55.4
Israel	158	4.6	70.4	19.8	3.5	1.8	70.4	0.0	1.2	0.6	69.3	71.6
Japan	632	7.0	75.5	15.9	1.5	0.2	75.5	0.0	0.2	0.0	74.2	76.7
Korea	364	5.3	64.8	26.2	3.7	0.0	64.8	0.0	0.0	0.0	63.4	66.1
Kuwait	209	28.0	28.6	30.6	7.7	5.1	28.6	0.0	2.1	3.1	26.4	30.9
Latvia (LSS)	302	6.6	58.2	32.3	1.0	1.9	58.2	0.0	0.8	1.1	60.7	55.2
Lithuania	306	7.9	55.7	20.4	3.6	12.3	55.7	0.0	3.1	9.3	57.5	53.1
Netherlands	250	7.1	51.3	34.3	5.7	1.5	51.3	0.0	0.8	0.7	48.2	53.6
New Zealand	459	8.8	55.3	32.9	1.6	1.4	55.3	0.2	0.6	0.6	57.9	52.8
Norway	398	6.5	51.5	39.2	1.0	1.8	51.5	0.0	0.0	1.8	52.8	50.3
Philippines	727	25.6	30.0	34.5	9.6	0.3	30.0	0.0	0.1	0.1	27.3	33.3
Portugal	428	10.4	41.8	42.2	2.6	3.0	41.8	0.0	0.5	2.6	41.8	41.9
Romania	462	6.3	63.7	16.7	4.1	9.1	63.7	1.0	2.6	5.5	65.1	62.4
Russian Federation	486	4.3	75.2	16.0	1.6	3.0	75.2	0.0	2.0	1.0	74.9	75.4
Scotland	355	12.9	52.9	28.3	3.7	2.2	52.9	0.2	0.3	1.7	54.1	52.1
Singapore	580	3.4	81.6	9.6	4.1	1.4	81.6	0.0	1.1	0.3	82.6	80.6
Slovak Republic	426	6.0	76.6	13.5	2.5	1.3	76.6	0.2	0.0	1.1	76.9	76.2
Slovenia	328	9.5	75.0	14.3	1.2	0.0	75.0	0.0	0.0	0.0	73.1	76.8
South Africa	509	10.3	33.4	45.8	5.7	4.8	33.4	0.9	2.3	1.5	32.8	33.8
Spain	472	6.3	58.7	32.6	0.9	1.4	58.7	0.0	0.7	0.7	55.1	62.2
Sweden	540	16.8	51.3	25.5	4.3	2.1	51.3	0.4	0.0	1.8	54.0	48.4
Switzerland	615	9.2	54.4	28.1	3.9	4.4	54.4	2.3	0.1	2.0	54.0	54.9
Thailand	687	7.1	49.1	36.7	5.4	1.7	49.1	0.0	0.8	0.9	51.8	43.3
United States	872	11.0	46.2	38.8	2.2	1.8	46.2	0.0	0.3	1.5	42.3	49.6
INTERNATIONAL AVG	.	9.2	57.7	26.8	3.3	3.0	57.7	0.2	0.8	1.9	57.3	58.0

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: P11 KEY: B
 Use ruler to determine approximate length of pencil. (Measurement)
 Difficulty: 541

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	919	23.1	54.6	11.2	10.5	0.7	54.6	0.0	0.4	0.3	49.7	59.2
Austria	350	14.2	72.8	5.5	6.4	1.2	72.8	0.0	0.4	0.7	70.7	74.9
Belgium (Fl)	351	14.5	69.0	8.7	7.8	0.0	69.0	0.0	0.0	0.0	77.0	61.1
Belgium (Fr)	330	21.5	56.6	6.5	12.1	3.2	56.6	0.0	1.5	1.7	60.2	54.1
Bulgaria	350	30.0	45.3	13.6	6.4	4.7	45.3	1.2	2.0	1.5	51.9	37.5
Canada	1030	23.4	53.2	11.9	10.9	0.6	53.2	0.1	0.3	0.2	48.9	57.2
Colombia	341	30.9	29.3	19.2	9.7	10.9	29.3	2.0	5.4	3.6	22.3	37.1
Cyprus	349	32.4	40.1	13.4	13.6	0.5	40.1	0.0	0.0	0.5	37.5	42.5
Czech Republic	422	23.1	67.1	6.4	3.2	0.2	67.1	0.0	0.0	0.2	65.0	69.1
Denmark	280	18.4	52.4	12.8	12.7	3.7	52.4	0.2	1.1	2.4	51.9	52.6
England	229	21.8	51.5	13.8	12.4	0.5	51.5	0.0	0.0	0.5	53.8	49.7
France	370	19.6	60.8	6.9	11.4	1.3	60.8	0.2	0.0	1.0	56.7	65.0
Germany	352	12.2	72.1	5.2	9.1	1.4	72.1	0.2	0.3	0.9	72.1	72.6
Greece	499	32.3	33.0	15.8	16.7	2.3	33.0	0.0	1.1	1.2	24.8	40.4
Hong Kong	416	16.8	59.6	11.3	11.5	0.7	59.6	0.0	0.5	0.2	57.2	61.8
Hungary	368	15.5	57.5	10.5	13.9	2.6	57.5	0.0	1.5	1.0	55.6	59.7
Iceland	211	32.4	26.6	26.8	14.0	0.2	26.6	0.0	0.2	0.0	28.2	25.0
Iran, Islamic Rep.	464	26.6	33.6	19.0	17.2	3.7	33.6	0.4	0.9	2.5	28.2	37.6
Ireland	378	25.8	51.7	13.0	9.0	0.4	51.7	0.0	0.4	0.0	47.9	55.6
Israel	158	22.7	43.5	14.2	18.3	1.2	43.5	0.0	1.2	0.0	38.5	47.0
Japan	632	20.9	63.7	8.1	7.1	0.3	63.7	0.0	0.2	0.1	61.3	65.9
Korea	364	19.1	60.2	8.5	12.2	0.0	60.2	0.0	0.0	0.0	58.6	61.6
Kuwait	209	19.7	30.8	28.2	16.7	4.7	30.8	0.0	3.5	1.2	35.2	26.2
Latvia (LSS)	302	21.4	59.8	6.5	9.8	2.6	59.8	0.0	0.8	1.7	58.2	61.7
Lithuania	306	26.2	41.0	12.5	15.1	5.3	41.0	0.0	3.1	2.2	41.5	40.2
Netherlands	250	17.2	61.9	11.2	8.9	0.8	61.9	0.0	0.8	0.0	61.9	60.7
New Zealand	459	23.7	51.5	11.8	11.9	1.2	51.5	0.3	0.6	0.4	50.1	52.8
Norway	398	20.5	62.1	8.9	8.0	0.5	62.1	0.0	0.0	0.5	59.3	64.8
Philippines	728	26.8	28.3	22.4	21.6	1.0	28.3	0.1	0.1	0.7	23.4	34.6
Portugal	428	27.5	42.7	15.5	12.2	2.2	42.7	0.0	0.5	1.7	37.1	48.7
Romania	464	29.5	41.0	12.4	10.8	6.3	41.0	0.2	2.9	3.2	40.8	41.1
Russian Federation	486	20.5	58.9	8.8	9.0	2.9	58.9	0.0	2.2	0.7	54.9	63.0
Scotland	355	24.3	44.7	16.5	14.3	0.3	44.7	0.0	0.3	0.0	40.4	48.6
Singapore	580	18.7	63.6	8.8	7.8	1.1	63.6	0.0	1.1	0.0	60.5	66.5
Slovak Republic	427	18.8	62.8	8.2	10.0	0.2	62.8	0.0	0.0	0.2	57.8	69.0
Slovenia	328	14.9	69.5	7.3	7.5	0.8	69.5	0.2	0.0	0.5	68.3	70.7
South Africa	509	38.6	17.2	29.6	9.1	5.5	17.2	1.0	2.3	2.2	13.1	20.9
Spain	472	26.0	51.7	10.0	11.4	0.9	51.7	0.0	0.7	0.3	46.9	56.3
Sweden	540	19.4	66.8	6.0	7.6	0.2	66.8	0.2	0.0	0.0	65.1	68.1
Switzerland	615	17.7	72.7	4.5	4.9	0.2	72.7	0.0	0.1	0.1	70.3	75.5
Thailand	687	22.9	56.7	11.2	7.6	1.5	56.7	0.0	0.9	0.6	58.1	54.1
United States	872	24.9	45.1	16.1	12.3	1.7	45.1	0.0	0.3	1.3	36.9	52.1
INTERNATIONAL AVG	.	22.8	52.0	12.3	11.0	1.9	52.0	0.2	0.9	0.9	49.9	53.9

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: P12 KEY: C
 Solve word problem: identify best estimate of 84 x 57. (Fractions and number sense)
 Difficulty: 463

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	919	3.6	8.7	76.9	9.3	1.5	76.9	0.0	0.5	1.0	81.1	72.9
Austria	350	3.2	9.4	78.2	5.4	3.8	78.2	0.0	0.4	3.4	77.7	79.6
Belgium (Fl)	351	2.6	9.6	82.5	4.8	0.5	82.5	0.0	0.0	0.5	87.3	77.7
Belgium (Fr)	330	5.3	12.6	65.4	10.8	5.9	65.4	0.0	2.0	4.0	67.3	64.3
Bulgaria	350	5.3	15.6	57.0	9.3	12.8	57.0	2.3	2.0	8.5	62.4	50.6
Canada	1030	1.1	9.6	82.5	5.7	1.0	82.5	0.1	0.4	0.5	81.8	83.0
Colombia	341	7.3	16.3	49.6	13.1	13.7	49.6	0.0	6.5	7.2	45.7	53.9
Cyprus	349	9.6	15.3	62.1	11.8	1.2	62.1	0.0	0.0	1.2	55.9	66.6
Czech Republic	422	2.0	5.9	86.2	4.5	1.5	86.2	0.0	0.2	1.3	88.0	84.5
Denmark	280	3.9	7.0	69.8	10.1	9.2	69.8	0.2	1.6	7.5	70.3	69.6
England	229	3.7	7.3	73.1	14.4	1.5	73.1	0.0	0.0	1.5	74.9	71.6
France	370	2.5	13.9	71.5	8.0	4.0	71.5	0.3	0.0	3.7	69.5	74.8
Germany	352	4.4	11.0	73.3	6.9	4.5	73.3	0.0	0.3	4.3	75.5	73.1
Greece	499	5.6	13.1	63.4	13.2	4.7	63.4	0.2	1.2	3.3	57.9	68.4
Hong Kong	416	4.7	7.7	82.1	4.0	1.4	82.1	0.0	0.5	1.0	82.0	82.0
Hungary	368	2.5	7.3	79.8	6.0	4.5	79.8	0.0	1.9	2.6	81.4	77.9
Iceland	211	3.4	10.3	77.7	7.5	1.1	77.7	0.0	0.2	0.9	86.9	68.9
Iran, Islamic Rep.	464	8.8	18.6	45.6	19.9	7.0	45.6	0.0	1.1	6.0	38.9	50.4
Ireland	378	3.2	6.0	80.5	9.0	1.4	80.5	0.4	0.4	0.5	82.3	78.7
Israel	158	1.2	9.8	75.2	9.5	4.3	75.2	0.0	1.2	3.1	70.9	79.2
Japan	632	2.2	7.3	83.6	6.6	0.2	83.6	0.0	0.2	0.0	83.9	83.4
Korea	364	1.8	6.8	80.3	10.8	0.3	80.3	0.0	0.0	0.3	79.0	81.5
Kuwait	209	12.7	21.6	30.9	27.0	7.8	30.9	0.0	3.5	4.2	23.6	38.4
Latvia (LSS)	302	9.6	13.2	60.8	8.5	7.8	60.8	0.0	0.8	7.0	59.6	62.3
Lithuania	306	4.5	11.6	63.9	8.2	11.8	63.9	0.0	3.1	8.7	64.8	62.7
Netherlands	250	1.2	10.0	81.0	5.9	1.8	81.0	0.0	0.8	1.0	77.3	85.8
New Zealand	459	4.1	9.8	72.8	11.5	1.8	72.8	0.2	0.6	1.0	74.8	70.9
Norway	398	4.5	21.9	65.1	6.8	1.8	65.1	0.0	0.0	1.8	66.8	63.4
Philippines	728	20.1	16.5	49.7	12.4	1.4	49.7	0.1	0.3	1.0	51.3	47.8
Portugal	428	4.7	19.9	60.1	11.5	3.9	60.1	0.0	0.5	3.4	56.4	64.1
Romania	464	3.5	11.9	60.3	12.7	11.6	60.3	0.2	3.2	8.3	57.4	63.2
Russian Federation	486	2.0	12.6	67.7	10.4	7.3	67.7	0.0	2.2	5.1	66.5	68.9
Scotland	355	4.5	11.1	69.8	11.8	2.8	69.8	0.0	0.3	2.6	72.3	67.5
Singapore	580	0.6	5.8	91.5	1.0	1.1	91.5	0.0	1.1	0.0	91.2	91.9
Slovak Republic	427	0.8	6.8	82.7	7.5	2.2	82.7	0.0	0.0	2.2	81.6	84.0
Slovenia	328	3.5	11.2	71.6	11.5	2.2	71.6	0.0	0.0	2.2	66.8	76.1
South Africa	509	19.9	18.1	34.8	21.3	5.9	34.8	0.4	2.3	3.2	33.5	35.6
Spain	472	5.4	13.9	55.4	19.9	5.4	55.4	0.0	0.9	4.4	53.9	56.9
Sweden	540	3.3	11.3	78.6	5.8	1.0	78.6	0.0	0.0	1.0	79.1	78.3
Switzerland	615	3.4	8.8	81.2	5.1	1.4	81.2	0.0	0.2	1.3	81.5	81.0
Thailand	687	6.1	9.7	69.9	11.0	3.3	69.9	0.0	0.9	2.3	71.3	66.8
United States	872	2.9	9.9	76.7	8.2	2.3	76.7	0.0	0.3	1.9	78.6	75.0
INTERNATIONAL AVG	.	4.9	11.5	69.5	10.0	4.1	69.5	0.1	1.0	3.0	69.3	69.8

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: P13 KEY: C
 Use heart beats/min to find beats per hour. (Fractions and number sense)
 Difficulty: 479

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	919	4.9	20.8	64.6	8.0	1.6	64.6	0.0	0.8	0.9	64.2	65.0
Austria	350	4.5	13.1	74.3	6.1	2.0	74.3	0.0	0.9	1.1	71.2	78.8
Belgium (Fl)	351	3.1	8.3	82.1	5.4	1.0	82.1	0.0	0.2	0.8	87.3	77.0
Belgium (Fr)	330	3.5	10.5	72.0	7.2	6.8	72.0	0.0	2.1	4.7	77.9	67.5
Bulgaria	350	7.3	13.4	63.6	6.3	9.4	63.6	0.0	2.7	6.7	63.6	63.6
Canada	1030	3.3	16.4	74.7	4.3	1.4	74.7	0.0	0.5	0.9	74.0	75.1
Colombia	341	13.4	17.4	47.3	9.6	12.4	47.3	0.0	8.4	4.0	48.7	45.3
Cyprus	349	9.5	21.1	58.5	8.1	2.8	58.5	0.0	0.0	2.8	63.2	55.3
Czech Republic	422	0.7	6.3	88.0	4.2	0.8	88.0	0.0	0.2	0.6	83.6	92.3
Denmark	280	4.3	16.2	68.9	3.3	7.3	68.9	0.2	3.0	4.1	70.9	67.9
England	229	11.0	31.5	47.9	7.4	2.2	47.9	0.0	0.0	2.2	52.1	44.5
France	370	3.1	11.7	79.5	3.4	2.3	79.5	0.0	0.0	2.3	78.8	81.9
Germany	352	10.3	17.4	62.7	7.0	2.6	62.7	0.0	0.4	2.2	59.8	66.4
Greece	499	7.2	11.4	68.2	9.0	4.2	68.2	0.3	1.4	2.5	68.8	67.6
Hong Kong	416	3.1	12.3	78.8	4.3	1.4	78.8	0.0	0.7	0.7	77.3	80.4
Hungary	368	3.5	12.9	74.8	4.9	3.8	74.8	0.0	1.9	1.9	73.8	76.0
Iceland	211	6.8	16.2	66.5	9.7	0.8	66.5	0.0	0.2	0.6	64.3	68.7
Iran, Islamic Rep.	464	14.0	27.6	39.0	13.2	6.2	39.0	0.0	1.8	4.4	35.4	41.6
Ireland	378	5.4	10.5	76.7	4.5	3.0	76.7	1.3	0.7	1.1	79.2	74.0
Israel	158	4.8	14.3	74.9	3.7	2.4	74.9	0.0	1.2	1.2	71.6	78.8
Japan	632	1.5	10.0	84.8	3.4	0.4	84.8	0.0	0.2	0.2	84.3	85.2
Korea	364	4.1	14.6	78.7	2.1	0.6	78.7	0.0	0.0	0.6	75.2	81.8
Kuwait	209	20.9	26.5	27.0	18.2	7.4	27.0	0.0	3.5	3.8	28.1	25.9
Latvia (LSS)	302	7.9	18.8	62.6	7.7	3.0	62.6	0.0	1.3	1.7	67.8	56.6
Lithuania	306	5.4	13.9	63.7	9.6	7.4	63.7	0.3	3.1	4.0	61.1	67.5
Netherlands	250	6.6	21.0	62.0	9.2	1.2	62.0	0.0	0.8	0.4	61.8	60.9
New Zealand	459	8.4	22.4	57.7	9.2	2.3	57.7	0.7	0.6	1.1	62.3	53.4
Norway	398	7.6	16.3	68.1	6.0	2.1	68.1	0.0	0.0	2.1	73.3	63.1
Philippines	728	19.0	19.2	42.7	15.7	3.4	42.7	0.7	0.4	2.3	42.9	42.6
Portugal	428	8.8	17.6	58.1	11.4	4.1	58.1	0.0	0.5	3.6	50.8	65.9
Romania	463	9.4	12.7	59.5	7.4	11.0	59.5	0.0	3.6	7.4	58.3	60.8
Russian Federation	486	4.7	9.8	73.4	6.2	5.9	73.4	0.3	2.8	2.8	73.7	73.0
Scotland	355	11.4	33.6	45.3	8.9	0.8	45.3	0.0	0.3	0.6	44.4	46.2
Singapore	580	3.7	4.9	85.6	4.5	1.3	85.6	0.0	1.1	0.2	85.9	85.2
Slovak Republic	427	3.6	8.0	80.2	4.9	3.3	80.2	1.6	0.2	1.5	77.8	82.9
Slovenia	328	3.3	9.8	81.7	4.6	0.6	81.7	0.0	0.0	0.6	77.3	85.8
South Africa	509	16.2	17.3	21.8	37.2	7.5	21.8	0.4	2.7	4.4	18.4	25.0
Spain	472	5.7	12.6	70.3	8.8	2.6	70.3	0.0	1.7	1.0	69.7	70.9
Sweden	540	4.4	18.5	71.0	5.9	0.1	71.0	0.0	0.0	0.1	69.9	71.9
Switzerland	615	2.9	8.7	82.3	5.4	0.6	82.3	0.3	0.2	0.2	79.7	85.2
Thailand	687	3.7	10.8	74.1	8.4	3.1	74.1	0.0	1.3	1.8	74.8	72.2
United States	872	8.6	15.6	65.7	6.3	3.8	65.7	0.1	0.4	3.3	66.4	65.2
INTERNATIONAL AVG	.	6.9	15.5	66.2	7.9	3.5	66.2	0.1	1.2	2.1	65.9	66.6

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: P14 KEY: D
 Solve subtraction word problem: common fractions. (Fractions and number sense)
 Difficulty: 422

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	919	3.8	5.3	4.1	85.2	1.6	85.2	0.0	0.8	0.8	90.1	80.5
Austria	350	2.3	2.2	4.8	88.8	1.8	88.8	0.0	0.9	1.0	88.5	88.8
Belgium (Fl)	351	2.5	8.2	2.7	86.1	0.5	86.1	0.0	0.2	0.3	84.0	88.1
Belgium (Fr)	330	5.7	3.7	5.0	81.2	4.4	81.2	0.3	2.1	1.9	86.6	76.4
Bulgaria	350	8.5	15.1	5.7	63.3	7.4	63.3	0.6	3.1	3.7	65.6	60.5
Canada	1030	5.2	7.8	7.1	78.9	1.1	78.9	0.0	0.5	0.6	81.1	76.7
Colombia	341	10.6	19.6	4.1	54.4	11.3	54.4	0.3	8.4	2.6	47.0	62.9
Cyprus	349	6.6	8.5	11.4	72.1	1.3	72.1	0.2	0.0	1.1	74.1	71.1
Czech Republic	422	1.5	5.3	5.2	87.3	0.7	87.3	0.3	0.2	0.2	89.3	85.3
Denmark	280	4.2	3.1	4.2	84.1	4.4	84.1	0.2	3.0	1.2	80.6	87.4
England	229	4.1	2.9	5.3	87.7	0.0	87.7	0.0	0.0	0.0	91.0	84.9
France	370	4.7	5.6	7.3	80.2	2.2	80.2	0.0	0.0	2.2	79.4	80.8
Germany	352	2.8	6.1	8.4	77.4	5.3	77.4	0.4	0.4	4.5	77.9	80.4
Greece	499	4.7	13.7	11.0	66.0	4.5	66.0	0.2	1.4	2.9	63.3	68.4
Hong Kong	416	2.7	6.7	5.9	83.0	1.7	83.0	0.0	0.7	1.0	82.8	83.5
Hungary	368	4.7	8.4	6.7	75.0	5.3	75.0	0.0	2.3	3.0	80.1	69.1
Iceland	211	7.2	4.8	9.3	77.9	0.8	77.9	0.0	0.6	0.2	83.7	72.3
Iran, Islamic Rep.	464	11.7	21.2	13.0	48.2	5.9	48.2	0.0	2.2	3.7	49.9	46.4
Ireland	378	1.9	4.1	3.1	90.0	0.9	90.0	0.0	0.9	0.0	92.7	87.3
Israel	158	4.6	3.8	9.4	80.4	1.8	80.4	0.0	1.2	0.6	78.2	83.7
Japan	632	3.0	5.0	7.8	84.1	0.2	84.1	0.0	0.2	0.0	90.0	78.4
Korea	364	6.1	7.7	11.8	74.4	0.0	74.4	0.0	0.0	0.0	77.0	72.1
Kuwait	209	5.0	15.0	6.5	66.5	7.0	66.5	0.0	3.9	3.0	79.2	53.4
Latvia (LSS)	302	7.9	6.4	5.6	75.4	4.6	75.4	0.0	1.3	3.3	76.8	73.9
Lithuania	305	7.1	9.9	3.6	66.9	12.5	66.9	0.0	3.1	9.4	64.4	70.4
Netherlands	250	1.3	0.8	5.5	91.2	1.2	91.2	0.0	0.8	0.4	89.2	93.4
New Zealand	459	3.1	5.5	3.3	86.9	1.2	86.9	0.0	0.6	0.6	88.9	85.1
Norway	398	7.7	7.3	13.5	70.6	1.0	70.6	0.0	0.0	1.0	73.1	68.1
Philippines	728	18.4	14.8	6.3	59.5	1.0	59.5	0.1	0.5	0.3	59.5	59.3
Portugal	428	14.0	20.3	6.0	56.1	3.6	56.1	0.0	0.5	3.1	53.3	59.2
Romania	463	4.0	11.8	4.3	70.4	9.5	70.4	0.0	4.2	5.3	70.5	70.2
Russian Federation	486	9.4	12.0	2.7	70.7	5.2	70.7	0.0	2.8	2.4	74.5	66.7
Scotland	355	2.2	4.3	4.5	88.7	0.3	88.7	0.0	0.3	0.0	90.0	87.6
Singapore	580	1.8	1.4	3.9	91.7	1.2	91.7	0.0	1.1	0.1	93.2	90.2
Slovak Republic	427	4.1	5.3	4.7	84.1	1.9	84.1	0.0	0.2	1.7	83.3	85.0
Slovenia	328	5.0	5.8	7.9	80.5	0.8	80.5	0.0	0.0	0.8	77.6	83.3
South Africa	509	22.3	16.1	12.4	44.7	4.6	44.7	0.3	2.7	1.7	38.4	50.5
Spain	472	8.4	16.9	10.0	61.6	3.2	61.6	0.0	1.7	1.5	60.2	62.9
Sweden	540	5.7	4.7	7.7	81.4	0.6	81.4	0.0	0.0	0.6	85.2	77.7
Switzerland	615	2.0	3.3	2.9	91.6	0.2	91.6	0.0	0.2	0.0	92.5	90.7
Thailand	687	8.5	15.3	8.3	65.2	2.7	65.2	0.0	1.3	1.4	65.4	65.6
United States	872	4.8	10.3	5.9	77.5	1.6	77.5	0.0	0.4	1.1	78.7	76.4
INTERNATIONAL AVG	.	6.0	8.5	6.6	75.9	3.0	75.9	0.1	1.3	1.7	76.8	75.1

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: P15 KEY: B
 Identify equivalent expression for a cubic relationship. (Algebra)
 Difficulty: 500

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	919	16.8	72.3	6.1	3.5	1.3	72.3	0.0	1.1	0.2	74.6	70.1
Austria	350	4.4	86.4	3.4	4.2	1.5	86.4	0.0	0.9	0.7	84.2	89.5
Belgium (Fl)	351	18.1	68.2	6.9	6.4	0.4	68.2	0.0	0.2	0.2	69.2	67.1
Belgium (Fr)	330	7.6	81.0	2.4	2.7	6.2	81.0	0.0	2.5	3.7	84.7	77.7
Bulgaria	350	5.1	71.6	7.5	9.2	6.6	71.6	2.6	3.1	0.9	69.7	74.0
Canada	1030	17.7	73.4	4.6	2.5	1.8	73.4	0.5	0.8	0.4	75.0	71.9
Colombia	341	32.9	36.9	7.4	12.5	10.2	36.9	0.3	8.9	1.0	39.0	34.4
Cyprus	349	19.6	65.1	8.3	5.4	1.6	65.1	0.3	0.5	0.8	64.8	65.9
Czech Republic	422	8.5	84.9	1.2	4.1	1.3	84.9	0.9	0.2	0.2	84.7	85.0
Denmark	280	15.7	70.4	3.9	4.8	5.2	70.4	1.0	3.0	1.1	70.8	70.5
England	229	24.9	46.3	19.6	7.6	1.7	46.3	0.0	0.0	1.7	57.7	36.9
France	370	22.6	45.8	12.0	16.8	2.9	45.8	0.3	0.0	2.6	42.8	48.6
Germany	352	13.4	73.1	6.8	3.0	3.7	73.1	0.9	0.4	2.4	77.8	69.3
Greece	499	21.1	68.3	5.7	2.3	2.6	68.3	0.6	1.6	0.4	65.6	70.8
Hong Kong	416	6.6	85.6	3.2	2.8	1.7	85.6	0.0	1.0	0.7	80.6	89.9
Hungary	368	13.5	68.9	7.9	5.8	3.8	68.9	0.0	2.3	1.5	71.2	66.3
Iceland	211	32.2	35.3	21.2	9.6	1.7	35.3	0.2	0.6	0.9	35.3	35.3
Iran, Islamic Rep.	464	17.4	53.2	9.7	14.6	5.1	53.2	0.2	2.3	2.5	57.5	49.5
Ireland	378	19.7	70.3	5.1	3.9	0.9	70.3	0.0	0.9	0.0	71.3	69.2
Israel	158	14.3	80.7	1.1	1.2	2.6	80.7	0.0	1.2	1.4	76.7	87.9
Japan	632	9.9	86.4	2.3	1.1	0.4	86.4	0.0	0.2	0.2	84.5	88.3
Korea	364	12.3	83.4	1.6	2.6	0.0	83.4	0.0	0.0	0.0	84.1	82.9
Kuwait	209	18.5	43.3	6.3	6.2	25.7	43.3	0.0	4.9	20.8	57.6	28.8
Latvia (LSS)	301	13.9	71.1	1.9	9.7	3.4	71.1	0.0	1.6	1.7	71.3	70.8
Lithuania	305	8.9	59.0	9.5	14.3	8.3	59.0	0.0	3.7	4.6	60.7	56.5
Netherlands	250	17.6	69.0	7.4	4.1	1.9	69.0	0.0	1.2	0.7	65.7	72.0
New Zealand	459	20.1	64.0	10.0	4.4	1.5	64.0	0.5	0.8	0.2	66.7	61.6
Norway	398	30.3	59.7	4.5	4.3	1.1	59.7	0.0	0.0	1.1	62.7	56.9
Philippines	728	32.7	45.3	15.4	5.8	0.8	45.3	0.0	0.7	0.1	43.9	47.4
Portugal	428	23.2	67.1	4.3	3.9	1.5	67.1	0.0	0.5	1.0	69.8	64.3
Romania	460	11.4	59.3	7.1	12.3	9.9	59.3	2.2	5.0	2.8	58.9	59.6
Russian Federation	486	7.8	77.7	3.2	8.0	3.3	77.7	0.3	2.8	0.2	78.9	76.4
Scotland	355	29.3	44.1	15.5	8.1	3.0	44.1	1.2	0.3	1.6	49.1	40.0
Singapore	580	4.4	91.2	0.9	2.3	1.2	91.2	0.0	1.2	0.0	89.8	92.6
Slovak Republic	427	8.1	85.1	2.2	4.0	0.6	85.1	0.4	0.2	0.0	83.6	86.9
Slovenia	328	8.5	85.6	1.8	3.8	0.3	85.6	0.3	0.0	0.0	84.2	87.0
South Africa	509	23.4	38.8	25.1	7.1	5.6	38.8	1.4	3.6	0.6	39.6	38.3
Spain	472	21.5	62.8	7.5	5.0	3.3	62.8	0.0	1.8	1.5	61.6	64.0
Sweden	540	21.4	35.9	21.4	19.8	1.4	35.9	0.0	0.2	1.3	36.1	35.7
Switzerland	615	10.9	78.1	5.1	3.4	2.4	78.1	1.2	0.2	1.0	78.8	77.4
Thailand	687	23.7	68.1	3.9	2.0	2.3	68.1	0.3	1.8	0.2	69.9	64.2
United States	872	18.0	73.6	4.6	2.5	1.3	73.6	0.0	1.2	0.2	73.4	73.7
INTERNATIONAL AVG	.	16.9	66.3	7.3	6.1	3.4	66.3	0.4	1.5	1.5	67.2	65.6

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: P16
 Reduce decimal to fraction in lowest terms. (Fractions and number sense)
 Difficulty: 637

COUNTRY	N	10	70	71	72	73	74	79	90	99	V1	NOT	OMIT	1.GIRL	2.BOY
												REACH		% Right	% Right
												ED			
Australia	919	39.5	7.8	2.7	1.7	5.5	1.7	16.5	2.4	22.2	39.5	1.2	21.0	41.0	38.0
Austria	350	37.2	4.5	3.3	4.0	4.7	1.9	21.3	6.3	16.8	37.2	0.9	16.0	39.0	35.8
Belgium (Fl)	351	53.7	14.0	2.5	3.5	1.8	0.2	15.8	0.0	8.5	53.7	0.2	8.2	57.2	50.3
Belgium (Fr)	330	44.3	0.0	0.0	0.0	0.0	0.0	38.1	0.0	17.6	44.3	2.5	15.1	47.8	41.7
Bulgaria	350	31.1	6.2	4.6	0.5	0.3	0.0	12.2	0.6	44.5	31.1	3.1	41.4	32.4	29.4
Canada	1030	46.3	6.8	1.6	0.5	5.0	3.5	21.9	2.3	11.9	46.3	1.0	10.9	45.7	47.3
Colombia	341	5.1	0.8	1.1	1.2	0.7	0.1	26.1	0.3	64.7	5.1	9.5	55.2	3.8	6.6
Cyprus	349	22.3	17.4	0.9	2.4	3.1	0.3	20.5	1.5	31.6	22.3	0.5	31.1	25.9	19.7
Czech Republic	422	34.1	33.6	4.6	5.3	1.9	0.1	12.8	1.2	6.4	34.1	0.2	6.2	31.3	36.7
Denmark	280	16.9	2.9	2.6	2.7	6.9	0.5	17.9	0.0	49.7	16.9	3.0	46.7	14.2	19.2
England	229	15.8	2.1	1.6	4.5	18.3	1.7	25.4	9.4	21.1	15.8	0.0	21.1	15.1	16.3
France	370	18.0	12.4	1.2	2.6	5.1	3.3	23.8	0.6	32.9	18.0	0.0	32.9	17.8	19.4
Germany	345	33.2	5.6	3.2	1.9	6.7	0.7	11.3	0.3	37.2	33.2	0.4	36.8	33.0	34.5
Greece	499	20.0	26.6	7.8	1.9	1.8	2.6	15.8	2.4	21.1	20.0	1.6	19.6	14.8	24.5
Hong Kong	416	62.9	4.3	0.5	0.2	1.9	1.8	18.2	1.6	8.6	62.9	1.0	7.5	55.4	68.9
Hungary	368	42.7	11.5	0.4	5.0	4.5	0.3	13.7	2.1	19.7	42.7	2.6	17.1	44.8	40.3
Iceland	211	5.0	2.6	0.9	4.9	15.0	2.0	47.5	1.9	20.3	5.0	0.6	19.6	7.5	2.5
Iran, Islamic Rep.	464	54.0	14.9	3.7	0.7	0.0	1.2	17.9	0.5	7.2	54.0	2.3	4.9	56.5	51.7
Ireland	378	63.8	4.4	1.4	1.2	3.2	0.3	16.1	1.4	8.1	63.8	0.9	7.2	69.7	57.8
Israel	158	46.7	5.8	0.0	1.2	5.3	0.0	20.4	0.0	20.6	46.7	1.2	19.4	48.5	45.5
Japan	632	70.4	11.8	1.2	0.7	1.1	1.7	8.4	0.3	4.4	70.4	0.4	4.0	70.9	69.9
Korea	364	68.4	9.4	1.4	0.4	0.3	0.0	15.0	4.9	0.0	68.4	0.0	0.0	71.6	65.6
Kuwait	209	3.6	14.3	6.7	1.2	2.4	1.7	25.5	1.4	43.1	3.6	22.9	20.2	6.0	1.1
Latvia (LSS)	301	29.4	14.9	2.8	3.7	1.9	1.6	14.7	2.7	28.3	29.4	2.0	26.3	31.3	27.3
Lithuania	305	21.6	12.8	1.9	4.9	1.0	0.3	14.4	0.9	42.2	21.6	4.0	38.2	22.6	20.1
Netherlands	250	28.5	3.5	1.1	5.4	5.2	1.9	31.0	12.0	11.4	28.5	1.2	10.2	30.8	26.6
New Zealand	459	23.2	10.4	1.7	4.4	9.7	1.7	26.0	0.4	22.4	23.2	0.8	21.6	22.3	24.1
Norway	398	17.3	11.4	7.2	8.2	11.5	4.2	16.4	5.8	18.1	17.3	0.0	18.1	15.9	18.7
Philippines	728	23.2	15.5	0.8	0.7	4.0	0.3	37.0	1.2	17.3	23.2	0.7	16.6	24.1	22.1
Portugal	428	7.5	6.0	11.5	4.7	2.0	2.4	21.5	2.7	41.8	7.5	0.5	41.3	7.9	7.0
Romania	462	38.8	10.6	6.2	2.5	0.0	0.4	9.7	0.0	31.7	38.8	5.1	26.6	39.7	37.9
Russian Federation	486	60.1	6.9	4.4	0.8	1.6	1.3	8.6	0.6	15.6	60.1	2.8	12.8	63.8	56.2
Scotland	355	13.7	4.0	0.8	3.6	22.2	0.6	26.6	3.9	24.5	13.7	0.3	24.3	12.0	15.4
Singapore	580	89.5	1.5	0.2	0.0	0.8	1.1	5.0	0.0	1.9	89.5	1.2	0.7	90.5	88.6
Slovak Republic	427	32.5	39.1	5.8	2.2	1.2	1.8	9.6	0.9	6.8	32.5	0.2	6.6	29.3	36.4
Slovenia	326	41.6	14.0	3.8	1.4	2.3	2.0	17.9	1.4	15.8	41.6	0.0	15.8	44.5	38.9
South Africa	510	5.0	5.1	2.4	4.4	4.8	2.4	44.1	0.4	31.4	5.0	3.7	27.7	2.3	7.9
Spain	472	17.1	12.5	4.0	8.0	2.3	5.5	18.5	1.3	30.9	17.1	2.0	28.9	15.2	18.8
Sweden	540	8.4	16.4	3.6	6.4	11.6	2.8	29.7	6.7	14.5	8.4	0.2	14.3	8.9	8.0
Switzerland	615	41.2	3.1	2.1	3.3	4.2	1.2	20.6	2.9	21.4	41.2	0.2	21.2	38.8	43.8
Thailand	687	38.2	11.0	1.6	2.9	2.9	2.5	24.8	0.3	15.8	38.2	1.8	13.9	41.0	33.6
United States	872	45.9	6.0	2.1	3.0	6.2	1.2	21.3	2.3	12.0	45.9	1.2	10.9	42.7	48.7
INTERNATIONAL AVG	.	33.8	10.1	2.8	2.8	4.5	1.4	20.5	2.1	22.0	33.8	2.0	20.0	34.1	33.4

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 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

Item: P17 KEY: C
 Identify thermometer which shows temperature given in data table. (Data Rep., Analysis & Prob.)
 Difficulty: 374

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	919	1.3	23.1	72.8	0.9	2.0	72.8	0.0	1.9	0.1	76.4	69.3
Austria	350	1.1	2.5	93.9	0.6	1.9	93.9	0.0	1.5	0.4	92.1	95.7
Belgium (Fl)	351	0.3	0.6	96.6	1.6	0.8	96.6	0.0	0.2	0.5	98.2	95.1
Belgium (Fr)	330	0.2	1.0	93.2	2.3	3.3	93.2	0.0	2.9	0.4	93.4	93.0
Bulgaria	350	0.5	4.0	89.4	1.3	4.8	89.4	0.0	4.5	0.3	88.0	91.2
Canada	1030	0.5	12.7	84.8	0.8	1.2	84.8	0.0	1.2	0.1	87.2	82.8
Colombia	341	3.0	12.4	56.8	7.7	20.0	56.8	0.0	19.5	0.5	50.7	63.0
Cyprus	349	3.0	19.3	67.2	4.1	6.4	67.2	0.3	4.8	1.4	76.1	60.1
Czech Republic	422	0.0	2.2	96.7	0.5	0.6	96.7	0.0	0.5	0.1	97.2	96.3
Denmark	280	0.7	1.1	90.1	0.7	7.4	90.1	0.3	5.6	1.5	89.0	91.3
England	229	1.3	23.1	72.8	1.9	1.0	72.8	0.0	1.0	0.0	78.2	68.3
France	359	0.0	1.1	97.0	1.8	0.0	97.0	0.0	0.0	0.0	97.0	96.9
Germany	352	1.1	1.5	93.5	1.1	2.7	93.5	0.0	1.5	1.2	93.8	94.5
Greece	499	3.7	12.6	73.7	5.5	4.4	73.7	0.0	2.7	1.7	74.8	72.7
Hong Kong	416	1.2	19.9	76.1	1.0	1.8	76.1	0.0	1.2	0.6	77.0	75.3
Hungary	368	1.9	2.8	88.0	2.2	5.1	88.0	0.0	3.8	1.2	87.4	88.7
Iceland	211	4.8	7.7	81.2	4.1	2.2	81.2	1.3	0.9	0.0	90.2	72.6
Iran, Islamic Rep.	464	11.1	7.4	64.0	10.4	7.0	64.0	0.0	3.1	3.9	66.6	61.7
Ireland	378	1.5	14.6	81.0	1.5	1.4	81.0	0.0	0.9	0.5	81.4	80.5
Israel	158	1.6	11.7	81.6	2.5	2.6	81.6	0.0	2.6	0.0	78.7	84.5
Japan	632	0.4	17.1	81.1	0.6	0.7	81.1	0.0	0.7	0.0	82.7	79.6
Korea	364	0.8	11.3	86.0	1.6	0.3	86.0	0.0	0.0	0.3	87.7	84.4
Kuwait	209	5.8	6.4	51.0	5.0	31.7	51.0	0.0	24.9	6.8	56.5	45.5
Latvia (LSS)	302	0.0	2.6	88.4	3.5	5.4	88.4	0.0	5.2	0.3	85.8	91.5
Lithuania	306	2.2	4.5	83.7	2.7	6.8	83.7	0.0	6.5	0.3	84.3	82.9
Netherlands	249	0.0	0.5	95.8	2.0	1.7	95.8	0.0	1.2	0.5	97.4	93.6
New Zealand	459	1.3	17.4	78.5	0.3	2.5	78.5	0.5	1.5	0.5	81.7	75.6
Norway	398	0.5	0.7	96.6	0.6	1.6	96.6	0.0	0.9	0.6	98.3	95.1
Philippines	728	6.0	14.8	63.0	13.7	2.3	63.0	0.0	1.8	0.5	65.3	59.9
Portugal	428	0.7	0.7	94.9	1.5	2.3	94.9	0.0	2.3	0.0	95.0	94.7
Romania	461	2.5	5.8	73.6	4.8	13.3	73.6	0.5	10.0	2.8	70.5	76.8
Russian Federation	486	1.4	12.0	81.1	0.6	4.9	81.1	0.0	4.6	0.3	82.8	79.3
Scotland	355	0.3	16.6	81.4	1.2	0.5	81.4	0.0	0.5	0.0	80.5	82.0
Singapore	580	0.8	16.6	80.4	0.9	1.3	80.4	0.0	1.2	0.1	81.3	79.6
Slovak Republic	427	0.5	1.9	93.5	1.6	2.5	93.5	0.0	0.9	1.6	92.9	94.2
Slovenia	326	0.2	0.3	95.2	1.7	2.6	95.2	0.0	2.3	0.2	94.2	96.1
South Africa	509	18.4	17.7	32.2	14.0	17.6	32.2	1.1	11.0	5.6	32.1	32.5
Spain	472	0.3	10.0	85.3	1.4	2.9	85.3	0.0	2.7	0.2	82.6	87.9
Sweden	540	0.9	1.9	94.6	0.6	2.1	94.6	0.0	1.1	1.0	95.3	93.8
Switzerland	615	0.0	0.8	97.1	1.3	0.8	97.1	0.0	0.4	0.4	98.1	95.9
Thailand	687	0.6	1.8	90.0	2.4	5.2	90.0	0.0	3.1	2.1	91.2	88.5
United States	872	2.0	15.0	80.5	1.0	1.4	80.5	0.0	1.3	0.2	83.3	78.0
INTERNATIONAL AVG	.	2.0	8.5	82.2	2.8	4.5	82.2	0.1	3.4	0.9	83.2	81.4

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: Q01 KEY: E
 Identify linear expression based on word problem. (Algebra)
 Difficulty: 595

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	926	12.6	10.0	6.3	23.9	44.6	2.6	44.6	0.0	0.4	2.2	46.6	42.8
Austria	351	10.4	8.6	8.3	19.4	50.9	2.4	50.9	0.0	0.0	2.4	59.3	42.4
Belgium (Fl)	351	5.1	10.3	2.8	23.9	53.1	4.8	53.1	0.0	0.0	4.8	62.2	44.1
Belgium (Fr)	334	12.0	6.4	4.8	18.3	45.8	12.6	45.8	0.0	0.0	12.6	51.2	41.2
Bulgaria	352	11.8	6.6	3.0	10.4	63.9	4.4	63.9	0.3	0.0	4.1	66.7	60.4
Canada	1029	12.1	13.2	5.3	22.9	45.2	1.2	45.2	0.0	0.2	1.0	52.1	39.0
Colombia	341	23.0	11.2	5.1	13.2	32.8	14.7	32.8	0.0	3.2	11.6	30.0	35.7
Cyprus	350	14.7	10.9	6.4	17.6	47.0	3.3	47.0	0.0	0.0	3.3	47.4	47.1
Czech Republic	421	7.0	4.3	2.0	13.7	69.7	3.3	69.7	0.1	0.4	2.8	73.9	65.7
Denmark	283	15.3	15.9	8.3	16.2	29.1	15.2	29.1	0.0	0.0	15.2	26.5	31.9
England	226	15.7	11.0	12.0	21.8	37.2	2.2	37.2	0.0	0.0	2.2	49.1	27.4
France	370	9.9	6.9	3.6	20.9	54.5	4.2	54.5	0.0	0.0	4.2	53.0	55.5
Germany	353	11.0	8.7	10.4	13.8	40.7	15.4	40.7	0.2	0.2	15.0	42.9	38.6
Greece	498	20.5	9.2	3.1	25.0	36.3	5.8	36.3	0.2	0.5	5.1	34.9	37.5
Hong Kong	417	10.3	3.8	4.1	16.7	64.9	0.2	64.9	0.0	0.0	0.2	66.8	63.7
Hungary	368	7.5	10.2	4.1	18.3	56.7	3.2	56.7	0.0	0.0	3.2	58.0	55.3
Iceland	210	13.8	13.4	25.0	27.9	14.0	6.1	14.0	0.0	0.2	5.8	19.5	8.5
Iran, Islamic Rep.	464	17.2	13.4	8.3	19.4	37.8	3.8	37.8	0.0	0.0	3.8	44.5	32.5
Ireland	382	8.8	9.6	4.5	22.6	51.3	3.1	51.3	0.0	0.0	3.1	52.1	50.4
Israel	158	5.1	4.3	3.2	11.1	73.4	2.8	73.4	0.0	1.2	1.7	78.7	71.0
Japan	632	7.0	5.2	2.7	28.1	56.8	0.2	56.8	0.0	0.0	0.2	59.0	54.6
Korea	364	4.8	6.0	2.9	22.5	63.8	0.0	63.8	0.0	0.0	0.0	64.9	62.8
Kuwait	209	19.1	15.3	15.0	20.4	26.9	3.2	26.9	0.0	0.0	3.2	35.6	18.1
Latvia (LSS)	302	15.6	10.3	6.1	20.5	42.2	5.4	42.2	0.0	0.0	5.4	45.7	38.0
Lithuania	305	13.4	4.7	4.6	16.5	45.7	15.1	45.7	0.0	0.3	14.8	43.5	49.1
Netherlands	250	9.6	15.2	6.3	21.7	44.8	2.3	44.8	0.0	0.0	2.3	47.5	40.3
New Zealand	454	12.2	19.1	9.4	19.3	38.2	1.8	38.2	0.0	0.0	1.8	38.9	37.6
Norway	400	16.2	18.0	10.0	29.8	23.2	2.8	23.2	0.0	0.0	2.8	24.5	21.9
Philippines	729	30.3	17.0	4.5	13.0	34.6	0.5	34.6	0.0	0.0	0.5	35.3	33.7
Portugal	424	13.2	12.2	8.4	19.8	41.6	4.9	41.6	0.0	0.2	4.7	38.6	44.9
Romania	464	12.4	7.8	7.1	11.4	51.8	9.6	51.8	0.5	0.0	9.1	55.7	47.9
Russian Federation	487	12.3	6.0	4.2	14.2	58.0	5.3	58.0	0.0	0.5	4.8	56.1	60.0
Scotland	359	11.5	15.6	10.8	23.1	35.7	3.3	35.7	0.0	0.0	3.3	37.5	34.3
Singapore	580	2.6	2.7	0.8	8.1	85.7	0.2	85.7	0.0	0.0	0.2	89.4	82.2
Slovak Republic	426	9.2	4.7	2.5	14.2	65.5	4.0	65.5	0.7	0.0	3.2	70.2	59.8
Slovenia	329	14.8	4.4	1.6	19.9	54.6	4.6	54.6	0.0	0.0	4.6	52.2	56.9
South Africa	510	26.7	25.7	11.2	12.8	19.4	4.3	19.4	0.2	0.5	3.5	19.1	20.0
Spain	473	11.9	6.6	3.4	15.5	61.4	1.2	61.4	0.0	0.3	1.0	63.3	59.6
Sweden	540	16.7	18.7	10.2	31.3	20.2	2.9	20.2	0.0	0.0	2.9	19.9	20.6
Switzerland	616	11.9	8.9	12.1	17.3	40.6	9.1	40.6	0.0	0.0	9.1	43.5	37.4
Thailand	687	14.0	6.7	2.5	30.0	46.1	0.6	46.1	0.0	0.0	0.6	49.6	40.5
United States	872	11.8	8.5	4.1	25.3	48.9	1.4	48.9	0.0	0.2	1.2	52.2	46.0
INTERNATIONAL AVG	.	12.9	10.2	6.5	19.3	46.5	4.6	46.5	0.1	0.2	4.4	49.0	44.2

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: Q02 KEY: D
 Subtract fractional expressions of X. (Algebra)
 Difficulty: 568

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	926	14.3	14.4	16.8	48.3	4.0	2.1	48.3	0.0	0.4	1.7	49.9	46.9
Austria	351	6.7	7.0	12.4	68.8	3.1	1.9	68.8	0.0	0.0	1.9	71.7	66.1
Belgium (Fl)	351	11.8	10.7	9.6	60.8	4.0	3.1	60.8	0.0	0.0	3.1	60.9	60.6
Belgium (Fr)	334	12.2	11.1	11.9	52.0	5.8	7.0	52.0	0.0	0.0	7.0	57.6	47.3
Bulgaria	352	6.0	6.7	10.1	74.0	0.3	2.9	74.0	0.3	0.0	2.6	76.0	71.6
Canada	1029	20.5	14.7	13.2	41.2	8.0	2.3	41.2	0.0	0.6	1.7	41.5	40.9
Colombia	341	17.3	9.1	16.6	36.8	10.4	9.8	36.8	0.0	4.4	5.4	35.8	37.2
Cyprus	350	13.3	13.0	13.6	48.0	8.4	3.6	48.0	0.0	0.0	3.6	50.3	46.6
Czech Republic	421	6.4	7.9	23.3	58.1	3.2	1.1	58.1	0.0	0.4	0.7	66.0	50.5
Denmark	283	21.1	12.2	6.5	37.7	8.1	14.3	37.7	0.3	0.0	14.0	35.5	39.8
England	226	13.5	14.6	16.5	34.6	15.5	5.4	34.6	0.0	0.0	5.4	37.7	32.1
France	370	18.4	8.2	9.6	58.9	1.8	3.1	58.9	0.3	0.3	2.5	61.4	57.3
Germany	353	21.0	13.7	10.9	38.3	7.1	9.0	38.3	0.2	0.2	8.6	33.2	46.3
Greece	498	27.0	21.5	8.0	34.8	3.4	5.3	34.8	0.0	0.5	4.8	33.1	36.3
Hong Kong	417	5.7	5.4	8.5	77.9	2.0	0.5	77.9	0.0	0.0	0.5	76.7	78.7
Hungary	368	6.9	5.3	13.7	65.2	2.0	6.9	65.2	0.0	0.0	6.9	64.9	65.6
Iceland	211	30.6	15.0	5.3	43.4	3.4	2.4	43.4	0.0	0.2	2.1	40.5	46.2
Iran, Islamic Rep.	464	40.3	19.3	5.9	24.8	6.7	2.9	24.8	0.0	0.1	2.8	28.9	21.9
Ireland	382	11.7	20.2	24.4	38.8	2.9	2.0	38.8	0.3	0.0	1.7	37.3	40.4
Israel	158	7.8	4.1	17.2	63.6	3.1	4.2	63.6	0.0	1.8	2.4	60.9	69.0
Japan	632	5.7	5.4	5.8	82.0	1.1	0.1	82.0	0.0	0.0	0.1	83.9	80.1
Korea	364	7.8	6.6	12.5	69.6	3.5	0.0	69.6	0.0	0.0	0.0	72.4	67.0
Kuwait	209	18.4	16.6	13.1	36.0	12.9	3.0	36.0	0.0	0.0	3.0	31.6	40.5
Latvia (LSS)	302	15.7	7.1	8.7	65.0	1.2	2.4	65.0	0.0	0.2	2.1	68.0	61.5
Lithuania	305	14.9	12.9	8.4	50.6	3.1	10.0	50.6	0.3	0.3	9.4	55.2	43.8
Netherlands	250	22.2	16.3	11.4	35.2	12.0	3.0	35.2	0.0	0.0	3.0	32.0	40.4
New Zealand	454	17.4	18.8	13.9	41.5	7.0	1.5	41.5	0.0	0.0	1.5	43.8	39.3
Norway	400	20.0	6.5	7.9	56.7	6.7	2.1	56.7	0.0	0.0	2.1	58.6	54.9
Philippines	729	32.8	21.5	6.3	29.4	9.6	0.4	29.4	0.0	0.0	0.4	28.4	30.8
Portugal	424	25.1	12.5	8.0	38.8	10.2	5.4	38.8	0.0	0.2	5.2	35.4	42.6
Romania	465	9.6	6.4	7.6	67.5	4.6	4.3	67.5	0.2	0.6	3.6	68.5	66.5
Russian Federation	487	11.1	8.6	7.2	64.2	4.8	4.1	64.2	0.1	0.7	3.3	70.5	57.6
Scotland	359	13.1	13.8	19.3	33.6	14.0	6.2	33.6	0.0	0.0	6.2	33.6	33.7
Singapore	580	3.9	3.0	9.8	81.6	1.5	0.2	81.6	0.0	0.0	0.2	80.2	82.8
Slovak Republic	426	7.6	5.3	12.8	69.0	2.7	2.5	69.0	0.2	0.3	2.0	73.3	63.9
Slovenia	329	9.6	8.6	9.2	69.3	1.2	2.0	69.3	0.0	0.0	2.0	65.9	72.6
South Africa	510	18.4	11.8	17.2	34.8	13.4	4.3	34.8	0.8	1.0	2.6	33.4	36.4
Spain	473	8.7	7.6	11.6	68.2	2.7	1.2	68.2	0.0	0.3	0.9	62.7	73.5
Sweden	540	20.5	15.2	11.4	35.0	12.5	5.4	35.0	0.0	0.0	5.4	35.7	34.2
Switzerland	616	15.3	18.5	9.5	46.6	5.8	4.3	46.6	0.0	0.0	4.3	49.2	43.7
Thailand	687	14.7	33.8	9.2	35.6	6.0	0.8	35.6	0.0	0.0	0.8	38.2	31.7
United States	872	17.4	22.4	11.2	41.6	5.8	1.7	41.6	0.0	0.2	1.5	45.2	38.5
INTERNATIONAL AVG	.	15.3	12.2	11.6	51.4	5.8	3.7	51.4	0.1	0.3	3.3	52.0	50.9

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: Q03 KEY: B
 Use day/hours/minutes/seconds conversions to calculate longest time. (Measurement)
 Difficulty: 636

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	926	6.3	35.7	2.4	53.8	1.8	35.7	0.0	0.4	1.3	36.2	35.2
Austria	351	6.7	35.5	0.8	53.6	3.3	35.5	0.0	0.4	2.9	27.4	44.8
Belgium (Fl)	351	8.3	49.2	2.1	39.6	0.7	49.2	0.0	0.0	0.7	47.4	50.9
Belgium (Fr)	334	10.1	37.2	2.9	47.3	2.6	37.2	0.3	0.0	2.2	34.7	39.3
Bulgaria	352	3.2	47.6	1.4	43.6	4.2	47.6	0.4	0.0	3.7	46.4	49.0
Canada	1029	6.1	40.9	2.0	49.4	1.6	40.9	0.0	0.6	0.9	39.0	42.9
Colombia	341	18.7	19.0	6.2	44.3	11.8	19.0	0.0	4.9	6.9	15.6	22.9
Cyprus	350	6.7	27.4	3.7	59.7	2.4	27.4	0.0	0.0	2.4	23.3	30.9
Czech Republic	421	3.6	39.8	1.0	53.7	2.0	39.8	0.6	0.4	0.9	30.4	48.7
Denmark	283	6.6	32.8	3.7	51.4	5.5	32.8	0.4	0.0	5.1	24.3	40.5
England	226	6.4	27.3	1.8	63.3	1.2	27.3	0.0	0.0	1.2	26.3	28.1
France	370	5.4	42.6	2.6	46.6	2.7	42.6	0.5	0.3	1.9	39.1	47.6
Germany	353	5.0	26.2	1.0	64.7	3.1	26.2	0.2	0.2	2.7	20.0	33.7
Greece	498	7.0	25.5	3.2	61.1	3.2	25.5	0.0	0.7	2.5	15.2	34.7
Hong Kong	417	7.2	42.4	2.1	47.8	0.4	42.4	0.2	0.0	0.2	36.0	47.5
Hungary	368	7.3	40.1	2.0	48.6	2.0	40.1	0.0	0.3	1.6	39.8	40.4
Iceland	211	2.1	31.3	1.8	62.3	2.5	31.3	0.2	0.2	2.1	26.9	35.6
Iran, Islamic Rep.	464	15.4	30.8	6.3	45.8	1.7	30.8	0.0	0.7	1.0	29.2	32.4
Ireland	382	6.4	41.4	3.7	47.2	1.2	41.4	0.2	0.0	1.0	42.1	40.8
Israel	158	6.5	38.8	0.7	52.2	1.8	38.8	0.0	1.8	0.0	34.2	45.4
Japan	632	4.7	62.2	1.4	31.2	0.6	62.2	0.2	0.0	0.4	58.4	65.8
Korea	364	7.0	56.0	1.9	35.2	0.0	56.0	0.0	0.0	0.0	54.5	57.2
Kuwait	209	6.7	17.5	7.7	64.8	3.2	17.5	0.0	0.0	3.2	14.0	21.2
Latvia (LSS)	302	4.0	25.1	2.1	64.3	4.5	25.1	0.0	0.2	4.3	21.4	29.4
Lithuania	305	4.7	31.4	2.0	59.1	2.8	31.4	0.0	0.3	2.5	27.3	37.5
Netherlands	250	7.4	27.1	4.9	59.7	0.9	27.1	0.0	0.0	0.9	26.2	27.7
New Zealand	454	8.2	30.5	1.9	57.7	1.7	30.5	0.0	0.0	1.7	30.0	31.0
Norway	400	4.8	29.7	0.7	63.0	1.8	29.7	0.0	0.0	1.8	25.3	33.8
Philippines	729	15.6	16.9	12.3	53.6	1.5	16.9	0.0	0.0	1.5	15.4	18.9
Portugal	424	12.9	20.5	5.8	57.4	3.3	20.5	0.0	0.8	2.5	14.5	27.1
Romania	465	6.5	31.4	3.0	55.0	4.1	31.4	0.6	0.6	3.0	25.6	37.1
Russian Federation	487	7.9	32.7	1.8	54.8	2.9	32.7	0.2	0.7	2.0	31.4	34.0
Scotland	359	9.8	26.4	2.2	60.4	1.2	26.4	0.0	0.0	1.2	21.0	31.3
Singapore	580	5.3	55.0	0.8	39.0	0.0	55.0	0.0	0.0	0.0	56.9	53.2
Slovak Republic	426	5.4	32.8	3.5	57.3	1.0	32.8	0.0	0.3	0.7	27.2	39.6
Slovenia	328	6.5	47.6	2.8	41.1	2.0	47.6	0.6	0.0	1.3	43.1	51.7
South Africa	510	15.2	12.7	12.4	56.1	3.6	12.7	0.8	1.3	1.5	10.6	14.6
Spain	473	7.8	35.8	2.6	49.9	3.8	35.8	0.0	0.5	3.3	34.3	37.3
Sweden	540	6.9	38.9	1.1	52.0	1.1	38.9	0.0	0.0	1.1	37.3	40.4
Switzerland	616	9.7	39.6	1.9	46.4	2.3	39.6	0.1	0.0	2.2	40.0	39.2
Thailand	687	8.8	43.5	2.2	44.7	0.7	43.5	0.0	0.0	0.7	43.6	44.4
United States	872	7.7	36.3	3.2	50.8	2.1	36.3	0.0	0.2	1.9	36.1	36.4
INTERNATIONAL AVG	.	7.6	34.8	3.1	52.1	2.4	34.8	0.1	0.4	1.9	31.6	38.1

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: Q04 KEY: B
 Interpret data in bar graph. (Data Rep., Analysis & Prob.)
 Difficulty: 376

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	926	3.6	87.1	7.3	1.3	0.8	87.1	0.0	0.4	0.4	90.0	84.3
Austria	351	2.7	85.0	8.2	1.0	3.1	85.0	0.0	0.4	2.7	89.0	80.5
Belgium (Fl)	351	3.3	91.8	3.7	1.0	0.2	91.8	0.0	0.0	0.2	96.5	87.2
Belgium (Fr)	334	2.3	87.4	5.0	1.0	4.4	87.4	0.3	0.0	4.1	88.7	86.1
Bulgaria	352	5.2	85.1	4.4	3.8	1.5	85.1	0.7	0.3	0.5	85.3	84.7
Canada	1029	2.3	89.6	6.0	1.4	0.8	89.6	0.0	0.6	0.2	93.5	85.6
Colombia	341	7.1	62.6	13.2	6.5	10.6	62.6	0.0	5.8	4.9	65.0	60.4
Cyprus	350	11.5	70.8	12.6	3.9	1.2	70.8	0.3	0.0	0.9	79.4	64.8
Czech Republic	421	5.0	88.7	4.5	0.8	1.0	88.7	0.5	0.4	0.1	88.2	89.2
Denmark	283	2.1	88.1	8.6	0.9	0.3	88.1	0.0	0.0	0.3	87.9	88.8
England	226	3.7	88.3	5.4	0.9	1.7	88.3	0.0	0.0	1.7	91.9	85.4
France	370	2.2	92.5	3.9	0.3	1.1	92.5	0.0	0.3	0.8	94.9	90.3
Germany	353	2.4	86.0	7.6	2.0	2.0	86.0	0.0	0.2	1.8	88.7	85.2
Greece	498	8.3	77.3	10.1	2.8	1.6	77.3	0.0	0.9	0.7	77.7	76.9
Hong Kong	417	2.2	89.5	5.5	1.6	1.1	89.5	0.3	0.0	0.8	92.0	87.6
Hungary	368	4.5	83.6	6.3	3.5	2.1	83.6	0.0	0.7	1.5	85.1	81.8
Iceland	211	5.2	84.6	7.6	1.0	1.6	84.6	0.0	0.2	1.4	87.8	81.5
Iran, Islamic Rep.	463	8.7	73.0	11.6	5.3	1.4	73.0	0.0	0.7	0.8	79.4	67.9
Ireland	382	2.3	93.5	4.2	0.0	0.0	93.5	0.0	0.0	0.0	95.8	91.3
Israel	158	3.2	88.6	6.5	0.0	1.8	88.6	0.0	1.8	0.0	90.1	85.9
Japan	632	1.0	88.0	9.7	1.3	0.0	88.0	0.0	0.0	0.0	90.8	85.3
Korea	364	1.5	77.0	20.3	1.2	0.0	77.0	0.0	0.0	0.0	79.3	74.9
Kuwait	209	15.2	69.7	8.7	5.9	0.5	69.7	0.0	0.0	0.5	76.6	62.6
Latvia (LSS)	302	3.4	87.8	6.1	2.2	0.5	87.8	0.0	0.2	0.3	90.9	84.1
Lithuania	305	5.8	82.5	6.6	2.9	2.3	82.5	0.5	0.3	1.5	83.6	80.8
Netherlands	250	2.3	86.7	11.0	0.0	0.0	86.7	0.0	0.0	0.0	89.7	82.5
New Zealand	454	2.9	89.0	6.1	1.5	0.5	89.0	0.0	0.0	0.5	92.2	86.0
Norway	400	3.4	89.2	7.0	0.3	0.1	89.2	0.0	0.0	0.1	89.9	88.5
Philippines	729	14.0	56.8	14.1	14.8	0.3	56.8	0.0	0.0	0.3	59.4	53.2
Portugal	424	5.0	83.8	9.2	0.7	1.2	83.8	0.0	0.8	0.4	83.1	84.7
Romania	465	11.5	65.2	13.9	6.5	2.9	65.2	0.2	0.6	2.2	70.6	59.7
Russian Federation	486	1.6	83.2	12.5	0.8	1.9	83.2	0.0	0.7	1.2	87.5	78.7
Scotland	359	5.3	87.4	7.1	0.3	0.0	87.4	0.0	0.0	0.0	86.4	88.2
Singapore	580	0.7	93.5	5.5	0.1	0.3	93.5	0.0	0.0	0.3	96.1	91.0
Slovak Republic	424	11.7	84.0	2.2	0.7	1.4	84.0	0.2	0.3	0.8	87.7	79.5
Slovenia	329	4.4	89.8	4.1	1.1	0.6	89.8	0.3	0.0	0.3	91.1	88.5
South Africa	510	26.0	31.7	15.0	25.3	2.0	31.7	0.0	1.5	0.4	30.4	33.1
Spain	473	3.6	86.1	5.8	1.7	2.8	86.1	0.0	0.5	2.3	89.0	83.3
Sweden	540	2.2	92.2	4.4	0.5	0.7	92.2	0.0	0.0	0.7	93.6	90.8
Switzerland	616	1.4	92.2	3.9	1.0	1.5	92.2	0.0	0.0	1.5	92.3	92.1
Thailand	687	2.3	89.4	7.2	0.5	0.6	89.4	0.0	0.0	0.6	91.9	85.6
United States	872	3.1	88.2	6.6	1.3	0.9	88.2	0.0	0.2	0.7	89.2	87.3
INTERNATIONAL AVG	.	5.1	83.0	7.8	2.6	1.4	83.0	0.1	0.4	0.9	85.4	80.6

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: Q05 KEY: A
 Solve word problem involving ratios. (Proportionality)
 Difficulty: 487

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	926	73.8	5.6	9.4	10.4	0.8	73.8	0.0	0.5	0.3	74.3	73.4
Austria	351	73.2	5.6	8.4	11.6	1.3	73.2	0.0	0.7	0.7	69.6	77.9
Belgium (Fl)	351	82.0	1.1	9.3	7.4	0.2	82.0	0.0	0.0	0.2	86.7	77.4
Belgium (Fr)	334	75.9	5.0	6.4	9.6	3.1	75.9	0.0	0.3	2.8	72.2	78.9
Bulgaria	352	57.4	8.4	17.8	11.6	4.8	57.4	0.0	0.3	4.5	55.3	59.9
Canada	1029	65.7	6.8	14.4	12.2	0.9	65.7	0.0	0.7	0.2	67.1	64.6
Colombia	341	29.7	17.3	16.2	24.2	12.5	29.7	0.0	7.6	4.9	27.2	32.7
Cyprus	350	63.4	13.7	8.9	12.0	2.0	63.4	0.0	0.0	2.0	57.0	68.1
Czech Republic	421	70.0	4.1	8.0	14.5	3.4	70.0	0.0	0.4	3.0	63.3	76.4
Denmark	283	68.4	6.5	11.9	10.9	2.3	68.4	0.0	0.0	2.3	67.0	69.8
England	226	68.9	8.9	6.3	14.6	1.3	68.9	0.0	0.0	1.3	70.6	67.5
France	370	74.6	3.6	5.9	13.9	2.0	74.6	0.0	0.3	1.8	72.0	76.9
Germany	353	67.1	8.0	11.9	11.2	1.9	67.1	0.0	0.2	1.7	69.5	66.7
Greece	498	59.4	19.1	9.1	7.8	4.6	59.4	0.0	0.9	3.7	54.6	63.7
Hong Kong	417	78.0	2.5	10.1	8.3	1.1	78.0	0.0	0.0	1.1	79.8	76.5
Hungary	368	67.4	6.4	9.7	13.7	2.7	67.4	0.0	0.7	2.1	66.4	68.5
Iceland	211	66.3	8.5	17.0	5.8	2.4	66.3	0.0	0.2	2.2	63.7	68.9
Iran, Islamic Rep.	463	51.2	16.5	11.0	19.5	1.9	51.2	0.0	0.7	1.2	41.8	58.0
Ireland	382	77.9	4.0	4.2	12.7	1.1	77.9	0.3	0.0	0.8	77.1	78.8
Israel	158	75.3	3.8	6.0	10.1	4.8	75.3	0.0	1.8	3.0	74.5	76.6
Japan	632	82.4	4.7	7.4	5.5	0.0	82.4	0.0	0.0	0.0	84.6	80.4
Korea	364	82.1	2.6	8.1	7.2	0.0	82.1	0.0	0.0	0.0	82.1	82.1
Kuwait	209	25.3	23.4	20.7	27.7	2.9	25.3	0.0	0.0	2.9	29.0	21.5
Latvia (LSS)	302	57.3	10.2	11.7	19.4	1.4	57.3	0.0	0.2	1.2	60.1	54.0
Lithuania	305	50.8	8.5	11.4	21.6	7.8	50.8	0.3	0.3	7.2	51.0	50.5
Netherlands	250	77.5	6.4	5.3	10.8	0.0	77.5	0.0	0.0	0.0	72.3	83.9
New Zealand	454	70.3	9.8	7.1	12.2	0.7	70.3	0.0	0.0	0.7	68.2	72.2
Norway	400	72.5	1.7	15.0	10.1	0.6	72.5	0.0	0.0	0.6	75.1	70.1
Philippines	729	38.7	29.8	10.2	21.0	0.4	38.7	0.0	0.1	0.3	40.6	36.2
Portugal	424	50.0	11.7	9.0	26.7	2.6	50.0	0.0	1.0	1.6	49.6	50.4
Romania	465	52.1	9.0	10.8	22.2	5.9	52.1	0.0	0.6	5.4	50.2	54.0
Russian Federation	486	47.2	8.3	16.2	24.0	4.3	47.2	0.0	1.0	3.3	48.6	45.8
Scotland	359	70.7	6.2	9.1	13.4	0.6	70.7	0.0	0.0	0.6	68.9	72.6
Singapore	580	85.2	1.5	3.1	9.9	0.3	85.2	0.0	0.0	0.3	84.0	86.3
Slovak Republic	424	61.6	12.1	7.3	15.2	3.8	61.6	0.5	0.3	3.0	63.3	59.5
Slovenia	329	66.3	12.2	9.2	11.1	1.2	66.3	0.0	0.0	1.2	60.5	71.6
South Africa	510	31.2	44.9	6.2	14.8	3.0	31.2	0.6	1.6	0.7	25.9	36.6
Spain	473	61.9	7.5	10.4	16.5	3.7	61.9	0.0	0.7	3.0	61.1	62.6
Sweden	540	73.9	7.3	7.7	11.2	0.0	73.9	0.0	0.0	0.0	71.3	76.4
Switzerland	616	76.2	5.3	7.1	9.8	1.6	76.2	0.0	0.1	1.5	79.7	72.2
Thailand	687	56.3	5.5	15.6	21.4	1.2	56.3	0.0	0.0	1.2	59.9	49.8
United States	872	62.0	7.2	12.6	17.3	0.9	62.0	0.0	0.2	0.8	57.3	65.9
INTERNATIONAL AVG	.	64.2	9.3	10.1	14.1	2.3	64.2	0.0	0.5	1.8	63.2	65.1

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: Q06 KEY: C
 Approximate water use/year from use/week. (Fractions and number sense)
 Difficulty: 610

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	926	6.1	6.1	48.1	17.8	19.9	2.0	48.1	0.0	0.5	1.5	47.9	48.3
Austria	351	3.6	5.2	42.8	26.6	20.7	1.1	42.8	0.0	0.7	0.4	40.2	46.2
Belgium (Fl)	351	3.8	3.9	57.8	19.5	13.6	1.5	57.8	0.0	0.0	1.5	55.8	59.7
Belgium (Fr)	334	6.2	9.5	50.7	17.7	11.6	4.3	50.7	0.0	0.8	3.5	54.8	47.3
Bulgaria	352	3.6	10.7	50.2	12.7	14.4	8.4	50.2	0.0	0.3	8.2	50.2	50.2
Canada	1029	3.2	10.4	46.5	19.2	19.7	1.0	46.5	0.0	0.7	0.3	44.8	48.5
Colombia	341	3.0	6.5	15.6	26.6	25.3	22.9	15.6	0.0	8.4	14.5	15.3	16.2
Cyprus	350	4.5	10.8	30.1	29.0	22.9	2.7	30.1	0.0	0.6	2.1	23.0	35.9
Czech Republic	421	2.6	7.4	57.2	19.2	10.3	3.2	57.2	0.5	0.8	1.9	57.5	56.9
Denmark	283	4.8	7.7	35.3	25.7	22.8	3.8	35.3	0.0	0.0	3.8	35.2	35.9
England	226	6.2	6.5	32.6	28.1	25.3	1.2	32.6	0.0	0.0	1.2	34.8	30.8
France	370	2.4	8.1	47.2	17.6	20.7	4.1	47.2	0.0	0.3	3.8	42.9	52.1
Germany	353	3.4	7.0	35.3	23.3	28.9	2.1	35.3	0.0	0.4	1.7	31.7	40.4
Greece	498	7.0	12.4	38.2	25.3	11.2	5.8	38.2	0.0	1.1	4.7	35.9	40.2
Hong Kong	418	2.6	7.9	46.7	17.7	24.6	0.5	46.7	0.0	0.0	0.5	44.6	48.4
Hungary	368	2.5	5.5	45.3	16.9	23.0	6.8	45.3	0.0	1.0	5.8	49.7	40.3
Iceland	211	3.5	5.3	44.2	24.7	19.7	2.5	44.2	0.0	0.4	2.1	41.8	46.6
Iran, Islamic Rep.	463	5.4	16.7	21.8	23.8	28.0	4.3	21.8	0.0	0.7	3.6	19.5	22.9
Ireland	382	3.6	5.4	51.8	15.7	20.7	2.9	51.8	1.0	0.3	1.5	51.6	52.0
Israel	158	5.6	9.4	42.2	23.1	14.8	4.8	42.2	0.0	1.8	3.1	37.2	50.0
Japan	632	2.0	5.3	49.8	27.8	14.8	0.3	49.8	0.0	0.0	0.3	47.6	51.9
Korea	364	1.2	6.8	53.9	24.3	13.8	0.0	53.9	0.0	0.0	0.0	54.3	53.6
Kuwait	209	10.2	12.5	14.6	33.2	24.3	5.1	14.6	0.0	0.0	5.1	10.2	19.2
Latvia (LSS)	302	1.6	4.6	26.3	37.5	27.3	2.7	26.3	0.0	0.2	2.4	20.9	32.7
Lithuania	303	1.6	7.8	34.9	17.0	27.0	11.8	34.9	0.0	1.6	10.3	30.4	41.6
Netherlands	250	9.0	6.3	53.5	12.2	18.6	0.4	53.5	0.0	0.0	0.4	49.5	58.4
New Zealand	454	3.5	3.9	40.2	27.1	24.2	1.0	40.2	0.0	0.0	1.0	40.0	40.5
Norway	400	1.4	4.9	49.0	20.5	23.1	1.2	49.0	0.0	0.0	1.2	51.3	46.8
Philippines	728	10.6	16.6	30.2	21.8	19.6	1.1	30.2	0.0	0.1	1.0	28.1	33.1
Portugal	424	2.9	8.5	20.0	32.1	31.9	4.5	20.0	0.0	1.0	3.6	13.9	26.8
Romania	461	5.6	7.6	30.7	19.7	25.6	10.8	30.7	0.2	0.7	9.8	30.4	30.9
Russian Federation	487	2.3	8.5	40.8	24.9	15.7	7.9	40.8	0.1	1.2	6.6	34.8	47.0
Scotland	359	7.7	6.8	29.2	24.8	31.5	0.0	29.2	0.0	0.0	0.0	28.1	30.4
Singapore	580	1.8	6.0	55.3	13.3	22.0	1.6	55.3	0.0	0.0	1.6	59.4	51.4
Slovak Republic	427	1.7	7.1	45.4	19.5	20.6	5.6	45.4	1.3	0.3	4.0	41.9	49.6
Slovenia	329	2.7	5.5	36.3	29.6	24.0	1.9	36.3	0.0	0.0	1.9	33.8	38.6
South Africa	510	17.8	8.4	12.2	24.5	33.9	3.2	12.2	0.0	2.1	1.1	9.2	15.4
Spain	473	2.1	6.8	37.8	28.2	19.4	5.7	37.8	0.0	1.2	4.5	39.4	36.3
Sweden	540	3.5	8.5	50.7	17.1	19.2	1.0	50.7	0.0	0.0	1.0	52.1	49.1
Switzerland	616	2.6	5.7	50.0	17.6	21.5	2.5	50.0	0.0	0.1	2.5	50.1	49.9
Thailand	687	2.3	10.0	42.6	23.5	19.4	2.2	42.6	0.0	0.0	2.2	45.4	36.3
United States	872	4.0	9.2	41.2	22.8	21.8	1.0	41.2	0.0	0.2	0.8	38.7	43.3
INTERNATIONAL AVG	.	4.3	7.8	40.1	22.6	21.4	3.7	40.1	0.1	0.7	3.0	38.7	41.7

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: Q07 KEY: C
 Solve P=LW for W given values for P and L. (Algebra)
 Difficulty: 519

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	926	10.4	5.5	68.8	5.8	7.4	2.1	68.8	0.0	0.6	1.5	74.8	63.2
Austria	351	7.6	3.2	71.5	5.8	8.7	3.3	71.5	0.0	0.7	2.7	75.0	67.8
Belgium (Fl)	351	8.6	2.1	76.8	1.6	7.0	4.0	76.8	0.0	0.0	4.0	75.8	77.7
Belgium (Fr)	334	10.6	3.8	61.1	4.4	8.0	12.0	61.1	0.0	1.6	10.4	63.4	59.4
Bulgaria	352	5.4	4.9	72.6	2.3	10.0	4.8	72.6	0.0	0.4	4.4	72.2	73.2
Canada	1029	9.0	3.2	68.7	4.4	12.6	2.2	68.7	0.0	0.7	1.4	71.9	65.0
Colombia	341	10.0	7.6	26.0	6.0	26.4	24.0	26.0	0.0	11.6	12.4	25.6	26.7
Cyprus	350	9.9	6.5	63.5	5.7	11.8	2.6	63.5	0.0	0.6	2.1	69.9	58.3
Czech Republic	421	2.6	0.6	76.0	0.8	18.0	2.0	76.0	0.1	0.8	1.1	81.0	71.3
Denmark	283	20.0	3.5	42.2	8.7	9.9	15.7	42.2	0.0	0.5	15.2	41.0	42.9
England	226	13.1	5.7	52.6	9.7	14.7	4.1	52.6	0.0	0.0	4.1	60.5	46.1
France	370	9.6	2.4	68.4	5.5	8.1	6.0	68.4	0.0	0.8	5.3	68.5	68.8
Germany	353	4.9	3.9	56.9	6.0	13.5	14.9	56.9	0.0	0.9	13.9	57.5	56.6
Greece	498	10.3	5.7	57.0	8.0	10.3	8.6	57.0	0.0	1.3	7.3	55.6	58.2
Hong Kong	418	2.2	1.2	90.7	2.6	3.2	0.0	90.7	0.0	0.0	0.0	90.4	90.9
Hungary	368	4.8	2.4	66.3	2.6	16.3	7.7	66.3	0.0	1.4	6.3	72.2	59.4
Iceland	211	32.2	5.1	41.1	11.9	7.1	2.6	41.1	0.2	0.4	2.0	40.5	41.6
Iran, Islamic Rep.	463	9.1	7.9	50.2	7.7	21.8	3.4	50.2	0.0	0.7	2.7	51.4	48.8
Ireland	382	10.0	3.0	66.3	2.7	13.9	4.2	66.3	0.2	0.5	3.5	71.1	61.5
Israel	158	6.5	3.3	75.0	5.2	3.2	6.8	75.0	0.0	2.3	4.5	76.5	75.2
Japan	632	4.2	2.1	88.1	2.2	3.3	0.0	88.1	0.0	0.0	0.0	89.7	86.6
Korea	364	2.3	2.1	81.6	8.6	4.7	0.8	81.6	0.0	0.0	0.8	81.1	82.1
Kuwait	209	7.1	3.2	54.4	11.2	20.1	3.9	54.4	0.0	0.6	3.3	58.5	50.2
Latvia (LSS)	302	7.5	3.2	62.6	3.2	16.0	7.3	62.6	0.0	0.5	6.8	66.0	58.7
Lithuania	303	5.6	2.7	54.6	3.9	17.7	15.5	54.6	0.0	2.3	13.2	54.0	55.6
Netherlands	250	5.5	6.0	74.5	5.3	7.0	1.7	74.5	0.0	0.4	1.3	79.4	68.2
New Zealand	454	15.0	4.1	58.6	6.1	14.7	1.5	58.6	0.0	0.0	1.5	60.7	56.7
Norway	400	16.2	7.0	52.6	8.2	12.3	3.7	52.6	0.0	0.0	3.7	53.4	51.9
Philippines	728	13.6	8.4	43.7	10.2	23.8	0.4	43.7	0.0	0.1	0.3	47.4	38.6
Portugal	424	12.8	4.9	41.0	7.3	22.5	11.5	41.0	0.0	1.2	10.2	36.5	45.9
Romania	462	8.8	4.2	58.7	3.0	16.0	9.3	58.7	0.4	0.7	8.1	61.0	56.4
Russian Federation	487	4.5	1.2	76.4	1.8	10.7	5.3	76.4	0.2	1.6	3.6	83.6	69.0
Scotland	359	18.1	6.7	49.6	10.1	12.5	3.0	49.6	0.0	0.0	3.0	46.1	53.0
Singapore	580	1.4	0.8	95.9	0.7	0.9	0.3	95.9	0.0	0.0	0.3	94.6	97.1
Slovak Republic	427	4.2	1.8	74.0	1.8	14.3	3.9	74.0	0.0	0.8	3.1	77.6	69.6
Slovenia	329	1.2	3.0	86.0	1.0	6.6	2.3	86.0	0.0	0.0	2.3	83.7	88.0
South Africa	510	13.1	12.2	30.0	15.1	24.9	4.7	30.0	0.2	2.1	2.5	29.8	30.1
Spain	473	6.1	4.6	63.4	6.6	12.1	7.2	63.4	0.0	1.2	6.0	64.2	62.6
Sweden	540	3.5	9.5	62.4	9.2	13.6	1.8	62.4	0.0	0.1	1.7	64.3	60.7
Switzerland	616	22.5	2.4	54.8	4.5	9.7	6.1	54.8	0.0	0.2	5.9	57.4	51.7
Thailand	687	7.3	4.7	73.2	3.7	10.0	1.1	73.2	0.0	0.0	1.1	74.7	70.8
United States	872	5.0	4.9	71.0	5.0	12.9	1.2	71.0	0.0	0.2	1.0	72.4	69.8
INTERNATIONAL AVG	.	9.1	4.3	63.3	5.6	12.3	5.3	63.3	0.0	0.9	4.4	65.0	61.6

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: Q08 KEY: B
 Identify fractions and decimals ranked smallest to largest. (Fractions and number sense)
 Difficulty: 587

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	926	25.4	46.9	18.0	7.7	2.0	46.9	0.0	0.6	1.5	44.7	49.0
Austria	351	19.6	62.0	11.7	4.1	2.6	62.0	0.0	0.8	1.8	53.5	71.4
Belgium (Fl)	351	23.7	61.8	10.8	2.5	1.3	61.8	0.0	0.0	1.3	55.4	68.0
Belgium (Fr)	334	25.4	51.7	10.2	6.2	6.5	51.7	0.3	1.6	4.7	52.1	51.5
Bulgaria	352	34.3	36.5	15.3	6.2	7.7	36.5	0.4	0.4	6.9	37.1	35.8
Canada	1029	23.2	49.8	18.3	7.2	1.6	49.8	0.0	1.0	0.6	48.8	51.4
Colombia	341	22.6	11.2	27.9	13.9	24.4	11.2	0.0	13.0	11.4	10.2	12.4
Cyprus	350	37.0	29.4	21.7	8.3	3.6	29.4	0.0	0.6	3.1	26.4	32.0
Czech Republic	421	24.0	55.1	12.7	4.9	3.3	55.1	0.0	1.1	2.3	51.4	58.6
Denmark	283	21.1	40.2	19.4	6.0	13.3	40.2	0.0	1.7	11.6	28.5	51.2
England	226	26.9	36.8	30.5	3.8	2.0	36.8	0.0	0.0	2.0	39.6	34.5
France	370	7.9	75.6	6.9	4.2	5.4	75.6	0.0	0.8	4.7	72.5	78.8
Germany	353	17.4	57.8	10.3	8.0	6.5	57.8	0.2	0.9	5.3	54.1	64.8
Greece	498	26.7	38.0	20.3	9.2	5.7	38.0	0.0	1.6	4.1	35.6	40.2
Hong Kong	418	17.9	70.2	7.3	4.3	0.2	70.2	0.0	0.0	0.2	64.8	74.6
Hungary	368	30.5	35.2	14.4	10.5	9.5	35.2	0.0	2.4	7.1	37.6	32.3
Iceland	211	11.5	62.0	16.4	5.0	5.1	62.0	0.3	0.4	4.4	65.4	58.7
Iran, Islamic Rep.	463	39.8	11.5	27.5	16.7	4.5	11.5	0.2	0.7	3.5	11.1	11.9
Ireland	382	31.9	41.1	15.4	8.6	3.1	41.1	0.7	0.5	1.8	35.9	46.2
Israel	158	40.2	33.8	13.9	4.5	7.7	33.8	0.0	2.3	5.3	27.9	41.5
Japan	632	24.1	64.5	6.9	4.4	0.0	64.5	0.0	0.0	0.0	56.5	72.2
Korea	364	21.3	61.2	10.6	6.8	0.2	61.2	0.0	0.2	0.0	58.3	63.8
Kuwait	209	33.7	9.4	36.1	13.4	7.3	9.4	0.0	0.6	6.7	1.6	17.4
Latvia (LSS)	301	31.9	28.1	23.1	10.4	6.5	28.1	0.0	0.8	5.7	25.2	31.5
Lithuania	303	25.7	39.0	14.7	8.1	12.4	39.0	0.0	2.6	9.8	37.0	41.9
Netherlands	250	29.1	50.0	12.2	7.2	1.5	50.0	0.0	0.8	0.7	44.9	55.3
New Zealand	454	36.2	34.7	17.3	9.2	2.7	34.7	0.5	0.0	2.1	29.3	39.7
Norway	400	19.0	54.8	17.2	5.9	3.2	54.8	0.0	0.0	3.2	51.6	57.7
Philippines	728	29.0	22.0	29.9	17.7	1.4	22.0	0.0	0.1	1.2	20.4	24.1
Portugal	424	40.6	24.7	20.4	8.1	6.2	24.7	0.0	2.0	4.3	15.8	34.4
Romania	462	24.3	24.9	26.0	11.5	13.3	24.9	0.5	1.8	11.0	22.1	27.6
Russian Federation	487	30.6	38.8	14.4	7.4	8.8	38.8	0.1	2.2	6.6	36.5	41.3
Scotland	359	31.1	27.2	30.8	8.6	2.3	27.2	0.0	0.0	2.3	21.8	32.2
Singapore	580	10.9	83.8	2.1	2.3	0.8	83.8	0.0	0.0	0.8	81.8	85.7
Slovak Republic	427	19.2	53.9	13.4	5.2	8.3	53.9	0.9	1.0	6.3	50.8	57.8
Slovenia	329	22.7	50.7	16.3	8.5	1.7	50.7	0.0	0.0	1.7	42.4	58.5
South Africa	510	23.4	17.6	35.2	18.6	5.1	17.6	1.3	2.1	1.8	21.8	13.2
Spain	473	36.5	27.1	19.4	10.4	6.6	27.1	0.0	1.9	4.8	22.1	32.0
Sweden	540	13.8	61.4	16.2	6.0	2.6	61.4	0.1	0.1	2.3	59.7	62.8
Switzerland	616	15.1	63.2	12.3	4.9	4.5	63.2	0.3	0.2	4.0	60.0	66.8
Thailand	687	38.3	47.7	6.7	6.6	0.8	47.7	0.0	0.0	0.8	51.1	41.4
United States	872	21.7	47.1	22.1	8.2	0.9	47.1	0.0	0.2	0.8	42.1	51.3
INTERNATIONAL AVG	.	25.8	43.8	17.4	7.9	5.1	43.8	0.1	1.1	3.8	40.6	47.0

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: Q09 KEY: E
 Perform multiple operations of common fractions. (Fractions and number sense)
 Difficulty: 558

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	926	7.7	22.3	15.2	11.4	38.5	5.0	38.5	0.0	0.6	4.4	40.7	36.5
Austria	351	2.2	14.0	7.4	5.6	63.3	7.5	63.3	0.0	0.8	6.7	67.9	59.8
Belgium (Fl)	351	2.3	8.0	3.3	6.8	75.8	3.8	75.8	0.0	0.0	3.8	76.1	75.5
Belgium (Fr)	334	2.5	15.0	6.5	5.9	58.1	12.0	58.1	0.0	1.6	10.4	62.0	55.0
Bulgaria	352	3.8	12.1	6.6	5.3	60.7	11.5	60.7	0.5	0.4	10.6	65.1	55.4
Canada	1029	3.6	28.1	9.8	7.2	47.9	3.4	47.9	0.0	1.0	2.4	52.5	43.5
Colombia	341	3.6	18.8	12.0	4.8	28.0	32.8	28.0	0.0	16.6	16.3	27.0	29.0
Cyprus	350	4.4	15.0	11.5	6.7	55.0	7.4	55.0	0.3	0.6	6.6	63.3	48.9
Czech Republic	421	4.3	10.2	3.3	3.5	72.2	6.4	72.2	0.6	1.6	4.2	76.1	68.6
Denmark	283	3.9	28.5	8.4	11.0	23.9	24.3	23.9	0.0	1.7	22.6	21.7	25.6
England	226	8.0	42.1	14.0	8.4	21.1	6.4	21.1	0.0	0.0	6.4	22.6	19.9
France	370	1.9	12.9	4.1	4.5	67.8	8.8	67.8	0.0	1.0	7.8	64.7	68.8
Germany	353	5.5	19.7	9.2	5.2	49.7	10.6	49.7	0.0	0.9	9.7	54.0	47.2
Greece	498	3.6	24.0	10.3	5.4	48.7	8.1	48.7	0.0	1.6	6.5	51.6	46.1
Hong Kong	418	2.4	6.2	6.0	7.9	75.6	1.9	75.6	0.0	0.0	1.9	73.1	77.8
Hungary	.	.	.	.	.	.	.	.	.	.	.	.	.
Iceland	211	3.0	45.9	10.5	19.6	13.3	7.6	13.3	0.5	0.4	6.7	13.6	13.0
Iran, Islamic Rep.	463	5.4	17.2	14.4	6.5	49.1	7.5	49.1	0.0	0.7	6.8	61.3	39.7
Ireland	382	10.3	15.0	5.7	7.1	56.9	5.0	56.9	1.0	0.8	3.1	57.5	56.3
Israel	158	4.9	11.4	6.0	7.6	59.4	10.7	59.4	0.0	3.7	7.0	58.2	63.0
Japan	632	2.7	3.5	1.1	4.0	88.3	0.3	88.3	0.0	0.0	0.3	91.5	85.1
Korea	364	6.0	4.8	3.3	6.0	79.4	0.5	79.4	0.0	0.2	0.3	84.4	74.9
Kuwait	209	13.3	38.9	13.5	7.4	19.1	7.7	19.1	0.0	1.0	6.7	23.4	14.7
Latvia (LSS)	302	6.5	17.2	5.2	5.8	55.7	9.6	55.7	0.0	0.8	8.8	63.8	46.2
Lithuania	305	6.3	11.8	3.3	7.6	49.3	21.6	49.3	0.0	3.1	18.5	55.1	40.7
Netherlands	250	4.2	31.4	6.9	14.6	36.8	6.1	36.8	0.0	0.8	5.3	35.9	37.2
New Zealand	454	5.9	36.9	12.1	10.8	31.8	2.7	31.8	0.4	0.0	2.3	31.0	32.6
Norway	400	2.7	29.2	12.6	7.8	43.8	4.0	43.8	0.0	0.0	4.0	43.0	44.6
Philippines	729	11.0	37.7	11.7	11.0	26.9	1.8	26.9	0.0	0.3	1.5	26.2	27.9
Portugal	424	2.7	25.8	11.4	5.1	41.4	13.6	41.4	0.0	2.2	11.4	40.1	42.9
Romania	459	5.6	10.2	6.2	4.9	58.5	14.5	58.5	0.2	2.0	12.4	63.0	54.0
Russian Federation	487	6.3	10.5	3.4	5.0	61.9	12.9	61.9	0.5	3.0	9.4	67.3	56.4
Scotland	359	7.4	34.6	16.0	16.8	20.2	4.9	20.2	0.3	0.3	4.4	22.2	18.6
Singapore	580	1.7	1.3	2.4	4.3	89.2	1.1	89.2	0.0	0.0	1.1	91.9	86.7
Slovak Republic	427	3.2	7.5	1.8	5.2	74.6	7.7	74.6	0.8	1.0	5.8	80.1	68.0
Slovenia	329	3.8	10.6	3.3	2.4	75.2	4.7	75.2	0.3	0.0	4.3	75.1	75.4
South Africa	510	11.0	34.9	13.4	11.1	24.7	4.9	24.7	0.9	2.1	1.9	22.7	27.0
Spain	473	2.7	11.8	6.8	4.5	66.1	8.1	66.1	0.0	2.5	5.5	66.4	65.9
Sweden	540	4.4	31.8	14.5	12.6	31.8	4.9	31.8	0.0	0.1	4.8	29.6	33.7
Switzerland	616	4.1	18.7	5.3	6.7	53.2	12.0	53.2	0.8	0.2	11.0	55.4	50.7
Thailand	687	7.0	13.5	7.9	9.2	60.0	2.4	60.0	0.0	0.1	2.3	61.6	56.3
United States	872	12.0	20.8	7.2	8.1	49.8	2.2	49.8	0.0	0.2	2.0	53.5	46.6
INTERNATIONAL AVG	.	5.2	19.7	8.1	7.6	51.3	8.0	51.3	0.2	1.3	6.5	53.5	49.2

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: Q10
 Perform calculation involving addition/subtraction of angles. (Geometry)
 Difficulty: 587

COUNTRY	N	10	70	71	72	73	74	75	79	90	99	V1	NOT	OMIT	1.GIRL	2.BOY
													REACH		% Right	% Right
													ED			
Australia	926	45.2	2.4	5.3	6.1	4.1	4.7	4.5	15.7	3.5	8.5	45.2	0.6	7.9	47.6	42.9
Austria	351	46.9	1.5	7.9	6.3	3.1	2.7	3.8	20.8	2.0	5.0	46.9	0.8	4.1	46.9	46.4
Belgium (Fl)	351	45.1	5.2	0.7	4.1	0.3	3.5	2.9	27.0	3.7	7.5	45.1	0.0	7.5	40.6	49.6
Belgium (Fr)	334	46.3	0.0	0.0	0.0	0.0	0.0	0.0	31.4	0.0	22.3	46.3	1.9	20.4	47.3	45.6
Bulgaria	352	52.5	2.5	2.4	1.9	0.1	0.9	2.1	12.4	1.4	23.6	52.5	0.4	23.2	54.3	50.4
Canada	1029	44.5	2.6	7.7	5.7	2.5	9.3	6.2	15.4	1.8	4.4	44.5	1.0	3.4	44.9	44.1
Colombia	341	10.4	4.4	2.7	3.1	1.2	3.4	6.9	21.0	0.3	46.5	10.4	19.8	26.7	11.1	8.8
Cyprus	350	41.3	2.6	10.6	2.7	1.5	2.7	2.6	16.7	1.3	18.0	41.3	1.1	16.9	46.4	37.7
Czech Republic	421	58.2	1.2	4.5	2.2	2.4	2.9	3.4	12.9	1.2	11.2	58.2	2.2	9.0	57.1	59.3
Denmark	283	50.9	0.6	3.2	3.3	1.7	5.3	4.2	17.1	0.0	13.7	50.9	1.7	12.0	45.5	56.3
England	226	34.4	1.1	4.9	12.4	2.6	3.9	4.0	24.6	4.3	8.0	34.4	0.0	8.0	38.8	30.7
France	370	47.7	0.9	4.9	4.3	0.8	3.9	2.5	18.3	1.3	15.5	47.7	1.0	14.4	43.3	50.1
Germany	346	34.2	1.5	4.2	6.0	6.0	4.7	4.0	18.3	2.5	18.5	34.2	1.0	17.6	42.1	25.7
Greece	498	36.9	0.4	6.1	5.9	1.8	6.7	3.9	18.1	2.3	18.0	36.9	1.7	16.2	33.2	40.2
Hong Kong	416	71.3	1.0	3.2	3.7	1.2	2.3	2.3	12.6	1.0	1.5	71.3	0.0	1.5	68.6	73.6
Hungary	368	44.6	0.9	8.4	2.5	3.0	0.9	3.8	16.6	2.6	16.8	44.6	3.5	13.3	45.0	44.1
Iceland	211	31.9	4.6	4.4	8.2	1.3	6.9	6.5	25.2	1.1	9.9	31.9	0.4	9.5	35.2	28.6
Iran, Islamic Rep.	463	40.2	0.3	11.7	5.4	1.6	6.2	6.6	16.8	0.4	10.8	40.2	2.0	8.7	41.9	38.8
Ireland	382	43.0	1.4	4.6	7.4	3.0	4.7	4.5	21.3	3.0	7.1	43.0	1.0	6.1	42.5	43.6
Israel	158	39.6	2.0	5.8	6.2	2.5	4.7	1.6	13.6	0.0	24.0	39.6	4.2	19.8	34.6	45.3
Japan	632	85.2	0.9	1.5	2.3	0.1	1.1	2.5	5.2	0.2	0.9	85.2	0.1	0.8	85.1	85.4
Korea	364	77.8	0.5	1.5	2.5	0.5	3.2	2.3	9.6	0.0	2.0	77.8	0.2	1.8	77.9	77.8
Kuwait	209	16.4	0.6	4.0	2.3	0.0	16.2	5.0	23.7	2.1	29.7	16.4	1.9	27.7	21.3	11.4
Latvia (LSS)	301	41.2	2.8	8.7	4.0	2.1	3.3	1.1	17.6	2.1	17.2	41.2	1.5	15.7	41.7	40.5
Lithuania	305	43.2	1.7	4.1	5.0	0.8	3.2	2.6	10.1	1.9	27.4	43.2	3.4	24.0	45.0	40.7
Netherlands	250	46.2	1.7	6.7	5.2	2.3	6.1	6.0	14.0	5.9	5.9	46.2	0.8	5.2	49.4	41.7
New Zealand	454	43.9	1.5	6.4	6.3	6.6	5.5	5.0	19.5	0.6	4.8	43.9	0.0	4.8	44.8	43.1
Norway	400	47.5	1.3	7.1	4.1	8.7	3.6	5.0	17.2	1.1	4.5	47.5	0.3	4.1	52.5	42.6
Philippines	729	23.2	6.3	4.7	2.1	1.9	11.2	8.2	28.9	2.9	10.6	23.2	0.5	10.0	22.6	24.0
Portugal	424	31.4	1.1	3.8	4.7	2.8	8.5	7.5	17.5	1.5	21.2	31.4	2.2	19.1	30.4	32.5
Romania	459	44.8	1.0	5.9	1.0	2.1	0.2	2.1	17.3	0.6	25.1	44.8	2.6	22.5	39.9	49.7
Russian Federation	487	50.2	1.7	6.9	2.9	0.5	2.0	0.8	11.4	0.9	22.8	50.2	3.6	19.3	53.6	46.7
Scotland	359	34.6	2.4	6.8	6.2	3.8	5.8	6.0	24.8	1.4	8.2	34.6	0.3	7.9	35.6	33.9
Singapore	580	70.0	2.3	2.9	6.4	0.5	1.0	0.9	15.1	0.2	0.7	70.0	0.0	0.7	68.9	71.1
Slovak Republic	427	51.3	1.5	4.8	4.8	0.9	3.7	1.9	15.9	2.3	12.9	51.3	1.0	11.9	46.2	57.4
Slovenia	329	61.2	0.8	4.9	5.6	0.6	5.0	3.8	10.2	0.8	7.0	61.2	0.0	7.0	61.2	61.3
South Africa	510	10.4	0.0	0.9	3.9	2.4	6.0	14.6	48.8	0.5	12.5	10.4	2.1	10.5	7.8	13.4
Spain	473	45.7	0.7	4.1	3.7	1.6	7.2	4.0	17.3	1.1	14.8	45.7	2.5	12.3	42.7	48.6
Sweden	540	35.0	2.3	5.8	5.6	2.6	6.3	7.5	20.7	6.0	8.2	35.0	0.1	8.1	36.3	33.7
Switzerland	616	53.8	1.1	5.6	2.7	1.5	1.8	4.8	19.4	0.9	8.3	53.8	0.2	8.1	57.0	50.2
Thailand	687	57.7	1.2	10.5	3.9	3.2	7.2	4.2	7.6	0.0	4.4	57.7	0.3	4.1	57.2	59.1
United States	872	33.8	2.2	5.9	6.9	3.7	13.7	4.7	22.9	1.6	4.6	33.8	0.2	4.4	31.7	35.6
INTERNATIONAL AVG	.	44.5	1.7	5.2	4.5	2.1	4.8	4.2	18.3	1.6	13.0	44.5	1.6	11.3	44.7	44.3

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 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

Item: R06 KEY: A
 Subtract two decimal numbers. (Fractions and number sense)
 Difficulty: 437

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	919	67.6	10.3	11.9	9.5	0.6	67.6	0.0	0.0	0.6	75.3	60.2
Austria	350	82.5	5.4	6.4	4.2	1.5	82.5	0.0	0.0	1.5	84.6	81.1
Belgium (Fl)	351	81.6	2.8	13.2	2.0	0.4	81.6	0.0	0.0	0.4	91.2	72.2
Belgium (Fr)	330	76.7	6.1	11.1	3.0	3.2	76.7	0.0	0.0	3.2	83.9	71.1
Bulgaria	350	69.0	8.7	13.9	3.7	4.7	69.0	0.6	0.0	4.1	70.9	66.7
Canada	1030	81.1	4.9	7.6	5.2	1.2	81.1	0.0	0.0	1.2	87.2	75.4
Colombia	341	55.6	9.3	21.1	9.5	4.6	55.6	0.0	0.3	4.3	63.4	47.4
Cyprus	349	63.2	10.5	19.7	5.6	1.1	63.2	0.0	0.0	1.1	70.2	58.2
Czech Republic	420	90.1	2.5	3.1	4.1	0.2	90.1	0.2	0.0	0.0	90.4	89.8
Denmark	280	76.5	5.7	11.7	4.5	1.6	76.5	0.0	0.0	1.6	82.1	72.0
England	229	52.7	14.1	17.1	15.4	0.9	52.7	0.0	0.0	0.9	56.7	49.4
France	370	87.9	2.3	6.0	3.8	0.0	87.9	0.0	0.0	0.0	90.1	87.2
Germany	352	71.5	5.4	12.8	7.5	2.8	71.5	0.2	0.3	2.3	74.4	69.2
Greece	499	78.1	7.8	9.4	3.8	0.9	78.1	0.0	0.0	0.9	81.9	74.8
Hong Kong	413	85.3	5.4	7.3	1.7	0.3	85.3	0.0	0.0	0.3	87.6	83.5
Hungary	368	89.9	1.1	4.5	3.4	1.1	89.9	0.0	0.0	1.1	94.9	84.1
Iceland	211	75.4	8.8	9.3	5.8	0.7	75.4	0.0	0.0	0.7	76.6	74.3
Iran, Islamic Rep.	464	63.1	15.5	13.9	7.1	0.4	63.1	0.0	0.0	0.4	65.2	61.1
Ireland	378	85.2	3.3	6.9	3.9	0.6	85.2	0.4	0.0	0.3	90.9	79.5
Israel	158	80.3	6.0	7.8	4.5	1.5	80.3	0.0	0.0	1.5	86.5	76.1
Japan	632	84.4	4.5	8.2	2.6	0.2	84.4	0.0	0.0	0.2	87.1	81.9
Korea	364	86.2	4.1	7.4	2.3	0.0	86.2	0.0	0.0	0.0	88.3	84.3
Kuwait	209	43.1	16.4	18.5	19.5	2.5	43.1	0.0	0.3	2.3	50.7	35.3
Latvia (LSS)	302	73.7	6.6	14.3	5.2	0.3	73.7	0.0	0.0	0.3	78.0	68.5
Lithuania	306	84.0	3.3	9.4	1.2	2.1	84.0	0.0	0.3	1.8	87.5	78.9
Netherlands	250	59.3	16.3	16.9	5.9	1.5	59.3	0.0	0.8	0.7	59.3	58.6
New Zealand	459	52.4	14.3	19.6	12.8	1.0	52.4	0.0	0.6	0.4	54.7	50.2
Norway	398	75.3	10.1	9.0	3.9	1.7	75.3	0.0	0.0	1.7	83.0	67.9
Philippines	728	64.6	12.9	13.7	8.5	0.3	64.6	0.0	0.0	0.3	68.0	59.9
Portugal	428	74.2	5.5	10.3	9.1	0.9	74.2	0.0	0.0	0.9	77.2	71.0
Romania	465	66.8	6.6	18.5	4.9	3.2	66.8	0.0	0.0	3.2	66.9	66.8
Russian Federation	486	87.2	3.1	6.7	2.1	0.9	87.2	0.0	0.0	0.9	89.7	84.6
Scotland	355	56.8	12.2	16.1	13.1	1.8	56.8	0.0	0.3	1.6	61.7	52.3
Singapore	580	88.1	4.4	6.2	0.9	0.5	88.1	0.0	0.2	0.2	91.2	85.2
Slovak Republic	426	88.3	3.4	3.9	3.1	1.3	88.3	0.0	0.0	1.3	91.4	84.5
Slovenia	328	85.0	4.7	9.0	1.3	0.0	85.0	0.0	0.0	0.0	87.2	82.9
South Africa	509	47.7	14.5	20.5	14.4	3.0	47.7	0.8	1.1	1.1	47.3	48.7
Spain	472	86.2	3.6	5.7	3.4	1.2	86.2	0.0	0.0	1.2	90.0	82.5
Sweden	540	77.2	7.4	9.5	5.4	0.5	77.2	0.0	0.0	0.5	81.3	73.5
Switzerland	615	80.7	4.7	9.7	4.2	0.7	80.7	0.0	0.0	0.7	81.3	80.1
Thailand	687	86.0	5.3	6.9	1.3	0.6	86.0	0.0	0.0	0.6	88.2	83.1
United States	872	73.7	9.8	10.4	4.4	1.8	73.7	0.0	0.0	1.7	76.2	71.6
INTERNATIONAL AVG	.	74.6	7.4	11.1	5.7	1.3	74.6	0.1	0.1	1.1	78.3	71.1

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: R07 KEY: B
 Solve division word problem involving decimals. (Fractions and number sense)
 Difficulty: 583

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	919	16.5	45.3	22.1	14.4	1.7	45.3	0.0	0.1	1.5	43.5	47.0
Austria	350	8.9	61.4	10.9	17.7	1.1	61.4	0.0	0.0	1.1	61.4	61.7
Belgium (Fl)	351	12.6	56.3	10.5	19.4	1.1	56.3	0.0	0.0	1.1	55.8	56.9
Belgium (Fr)	330	15.5	53.0	13.6	14.2	3.7	53.0	0.2	0.0	3.5	50.5	54.8
Bulgaria	350	9.5	45.9	17.8	19.0	7.7	45.9	0.0	0.0	7.7	53.7	36.7
Canada	1030	20.0	47.2	11.2	20.7	0.9	47.2	0.0	0.0	0.8	49.6	44.6
Colombia	341	10.5	27.3	37.3	19.6	5.3	27.3	0.0	0.4	4.9	22.1	32.9
Cyprus	349	18.9	28.7	27.5	23.6	1.3	28.7	0.0	0.0	1.3	23.6	33.0
Czech Republic	420	8.0	63.5	9.6	16.8	2.1	63.5	0.3	0.0	1.8	62.6	64.4
Denmark	280	15.8	38.7	21.9	18.8	4.7	38.7	0.0	0.0	4.7	36.5	40.8
England	229	22.9	34.8	28.4	13.0	0.9	34.8	0.0	0.0	0.9	35.2	34.6
France	370	10.1	63.9	10.2	14.3	1.4	63.9	0.0	0.0	1.4	63.9	64.2
Germany	352	13.1	48.3	17.9	16.4	4.3	48.3	0.2	0.3	3.9	44.2	53.1
Greece	499	15.5	41.3	16.4	22.6	4.1	41.3	0.0	0.0	4.1	37.6	44.7
Hong Kong	414	6.5	73.2	7.2	12.7	0.4	73.2	0.0	0.0	0.4	73.5	73.4
Hungary	368	10.0	55.3	11.2	22.1	1.4	55.3	0.0	0.0	1.4	55.7	54.9
Iceland	211	21.5	38.4	23.6	16.1	0.5	38.4	0.0	0.0	0.5	32.7	43.9
Iran, Islamic Rep.	464	16.4	24.2	25.7	30.9	2.9	24.2	0.0	0.0	2.9	25.1	23.6
Ireland	378	13.6	42.1	13.1	30.2	1.0	42.1	0.4	0.0	0.6	40.3	44.0
Israel	158	11.2	43.1	15.0	26.0	4.7	43.1	0.0	0.0	4.7	38.6	51.6
Japan	632	4.0	74.6	6.6	14.6	0.2	74.6	0.0	0.0	0.2	72.5	76.6
Korea	364	7.7	66.2	9.1	17.1	0.0	66.2	0.0	0.0	0.0	68.9	63.6
Kuwait	209	14.4	21.4	39.9	19.6	4.7	21.4	0.0	0.3	4.4	21.2	21.5
Latvia (LSS)	302	18.7	46.8	16.8	14.7	3.1	46.8	0.0	0.0	3.1	49.7	43.3
Lithuania	306	10.3	55.3	13.6	14.2	6.6	55.3	0.0	0.3	6.3	53.2	58.5
Netherlands	250	12.8	54.0	17.1	14.2	2.0	54.0	0.0	0.8	1.2	51.2	58.0
New Zealand	459	26.0	35.2	26.0	11.2	1.6	35.2	0.3	0.6	0.7	29.6	40.4
Norway	398	23.7	47.0	14.7	12.9	1.8	47.0	0.0	0.0	1.8	47.8	46.1
Philippines	728	9.8	44.2	29.1	16.6	0.3	44.2	0.0	0.0	0.3	42.7	46.5
Portugal	428	16.9	43.6	25.8	12.1	1.6	43.6	0.0	0.0	1.6	40.7	46.8
Romania	465	11.0	35.8	22.3	22.6	8.3	35.8	0.0	0.0	8.3	32.0	39.6
Russian Federation	486	8.4	58.7	11.3	18.9	2.8	58.7	0.0	0.0	2.8	60.6	56.7
Scotland	355	18.4	36.9	30.7	12.6	1.4	36.9	0.0	0.3	1.2	37.5	36.5
Singapore	580	8.1	71.1	3.7	16.3	0.9	71.1	0.0	0.2	0.6	72.0	70.2
Slovak Republic	426	10.9	60.2	11.8	14.8	2.3	60.2	1.1	0.0	1.2	55.2	66.1
Slovenia	328	8.5	52.1	15.5	21.3	2.5	52.1	0.0	0.0	2.5	46.9	56.9
South Africa	509	11.4	34.7	35.8	14.0	4.1	34.7	0.0	1.1	2.9	29.1	39.2
Spain	472	17.7	36.8	20.9	22.3	2.3	36.8	0.0	0.0	2.3	35.0	38.5
Sweden	540	20.8	50.1	15.3	13.1	0.7	50.1	0.1	0.0	0.6	52.5	48.1
Switzerland	615	10.4	59.0	13.5	14.1	2.9	59.0	0.4	0.0	2.5	57.3	61.0
Thailand	687	16.8	39.1	14.2	28.3	1.7	39.1	0.0	0.0	1.7	36.0	45.3
United States	872	13.3	39.0	24.2	21.5	1.9	39.0	0.1	0.0	1.8	32.5	44.7
INTERNATIONAL AVG	.	13.7	47.5	18.3	18.0	2.5	47.5	0.1	0.1	2.3	46.0	49.2

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: R08 KEY: B
 Interpret distance/speed line graph to determine distance at given speed. (Data Rep., Analysis & Prob.)
 Difficulty: 565

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	919	23.2	59.2	12.8	3.9	0.9	59.2	0.0	0.1	0.7	59.7	58.8
Austria	350	22.5	57.5	13.8	4.4	1.7	57.5	0.0	0.0	1.7	55.4	60.2
Belgium (Fl)	351	42.4	53.0	3.2	0.6	0.8	53.0	0.0	0.0	0.8	46.5	59.3
Belgium (Fr)	330	23.5	61.5	9.9	2.8	2.3	61.5	0.0	0.0	2.3	57.4	64.7
Bulgaria	350	45.3	35.9	8.8	6.1	3.9	35.9	0.0	0.0	3.9	36.6	35.1
Canada	1030	23.5	60.7	12.5	2.8	0.5	60.7	0.0	0.0	0.5	57.8	63.5
Colombia	341	40.3	25.8	17.5	12.8	3.7	25.8	0.0	0.4	3.3	22.9	29.1
Cyprus	349	34.7	39.8	15.8	7.5	2.2	39.8	0.0	0.0	2.2	34.5	44.3
Czech Republic	422	23.5	52.9	19.2	1.8	2.7	52.9	0.6	0.0	2.0	42.4	62.9
Denmark	280	38.0	44.9	10.7	1.6	4.8	44.9	0.0	0.0	4.8	40.6	49.0
England	229	17.9	61.2	17.5	2.5	0.9	61.2	0.0	0.0	0.9	55.7	65.7
France	370	10.4	72.3	14.8	1.5	1.0	72.3	0.0	0.0	1.0	66.2	77.5
Germany	352	22.3	58.7	12.9	3.3	2.8	58.7	0.2	0.3	2.3	64.1	54.7
Greece	499	28.8	52.0	13.7	2.7	2.8	52.0	0.0	0.0	2.8	47.4	56.1
Hong Kong	415	10.2	68.3	18.0	2.5	1.0	68.3	0.0	0.0	1.0	65.4	70.9
Hungary	368	29.2	50.7	14.0	3.8	2.3	50.7	0.0	0.0	2.3	48.5	53.1
Iceland	211	33.7	44.8	15.6	5.5	0.4	44.8	0.0	0.0	0.4	39.1	50.3
Iran, Islamic Rep.	464	38.9	26.8	23.5	9.5	1.3	26.8	0.0	0.0	1.3	21.0	31.4
Ireland	378	29.3	47.2	16.8	4.9	1.8	47.2	0.2	0.0	1.5	42.2	52.3
Israel	158	28.9	50.0	17.2	3.1	0.8	50.0	0.0	0.0	0.8	41.0	59.8
Japan	632	11.2	75.4	10.2	2.8	0.4	75.4	0.0	0.0	0.4	71.2	79.4
Korea	364	24.8	56.0	15.2	3.6	0.3	56.0	0.0	0.0	0.3	56.6	55.5
Kuwait	209	28.9	30.3	22.3	14.6	4.0	30.3	0.0	0.3	3.7	25.7	34.9
Latvia (LSS)	302	37.1	41.8	13.7	3.2	4.1	41.8	0.0	0.4	3.7	37.8	46.5
Lithuania	306	32.0	40.4	11.5	4.7	11.4	40.4	0.0	0.8	10.6	35.9	47.0
Netherlands	250	21.1	63.6	10.7	3.8	0.9	63.6	0.0	0.8	0.1	62.8	63.3
New Zealand	459	29.8	48.6	17.0	3.9	0.7	48.6	0.0	0.6	0.2	44.9	52.0
Norway	398	19.8	64.9	13.0	1.3	1.0	64.9	0.0	0.0	1.0	59.0	70.5
Philippines	728	35.6	37.6	20.7	6.0	0.0	37.6	0.0	0.0	0.0	33.7	42.6
Portugal	428	48.0	36.6	10.5	3.5	1.4	36.6	0.0	0.0	1.4	33.2	40.3
Romania	464	51.4	28.5	8.7	5.1	6.3	28.5	0.2	0.0	6.1	26.0	30.9
Russian Federation	486	39.4	41.0	12.5	3.7	3.4	41.0	0.0	0.0	3.4	37.6	44.5
Scotland	355	19.8	56.7	19.6	3.3	0.6	56.7	0.0	0.3	0.4	53.5	59.2
Singapore	580	24.5	48.6	18.8	5.9	2.2	48.6	0.0	0.2	1.9	43.7	53.3
Slovak Republic	426	32.4	48.8	15.5	1.9	1.4	48.8	0.0	0.0	1.4	45.0	53.3
Slovenia	328	45.2	41.7	9.3	1.8	2.0	41.7	0.2	0.0	1.8	39.4	43.8
South Africa	509	31.1	19.7	20.4	26.6	2.2	19.7	0.4	1.2	0.6	16.7	23.4
Spain	472	33.5	41.3	16.3	6.3	2.6	41.3	0.0	0.0	2.6	36.2	46.1
Sweden	540	17.1	63.9	15.7	3.3	0.0	63.9	0.0	0.0	0.0	59.6	67.7
Switzerland	615	17.5	62.8	14.1	4.7	0.8	62.8	0.0	0.0	0.8	57.3	69.0
Thailand	687	22.2	36.0	29.5	10.9	1.4	36.0	0.0	0.0	1.4	33.8	40.1
United States	872	24.3	54.5	16.2	3.8	1.2	54.5	0.0	0.0	1.2	49.6	58.7
INTERNATIONAL AVG	.	28.9	49.1	15.0	5.0	2.1	49.1	0.0	0.1	1.9	45.3	52.9

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: R09 KEY: E
 Identify equivalent expressions from properties of real numbers. (Algebra)
 Difficulty: 603

COUNTRY	N	A	B	C	D	E	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	919	18.4	14.8	6.5	24.5	32.5	3.3	32.5	0.0	0.3	3.0	34.4	30.7
Austria	350	13.0	10.8	5.0	20.8	46.0	4.5	46.0	0.0	0.0	4.5	41.1	51.9
Belgium (Fl)	351	5.7	14.0	1.5	13.5	61.0	4.3	61.0	0.0	0.0	4.3	64.6	57.5
Belgium (Fr)	330	8.0	7.0	1.9	21.3	51.6	10.2	51.6	0.4	0.0	9.8	58.2	46.3
Bulgaria	350	13.2	9.0	6.6	17.2	43.4	10.5	43.4	2.2	0.0	8.3	49.4	36.2
Canada	1030	14.4	11.6	8.0	25.6	37.6	2.8	37.6	1.0	0.0	1.8	40.1	35.2
Colombia	341	19.2	25.1	5.3	19.2	21.5	9.6	21.5	0.8	0.4	8.4	20.3	23.0
Cyprus	349	14.0	16.7	10.2	16.1	38.3	4.7	38.3	1.7	0.0	3.0	35.6	40.7
Czech Republic	422	8.3	9.9	1.3	20.3	57.7	2.6	57.7	0.6	0.0	2.0	60.8	54.7
Denmark	280	15.9	19.2	4.9	22.2	25.6	12.2	25.6	0.4	0.0	11.7	21.1	30.1
England	229	18.6	14.1	9.0	25.9	27.6	4.8	27.6	0.0	0.0	4.8	33.9	22.5
France	370	11.0	5.6	2.9	28.9	50.0	1.6	50.0	0.3	0.0	1.3	52.8	49.5
Germany	352	10.3	14.8	4.6	17.1	31.6	21.5	31.6	4.8	0.3	16.5	35.4	27.8
Greece	499	15.1	14.8	4.7	21.4	33.8	10.2	33.8	5.1	0.0	5.1	34.5	33.3
Hong Kong	415	8.5	7.8	3.8	14.6	64.5	0.7	64.5	0.3	0.0	0.5	65.7	63.9
Hungary	368	7.5	11.8	2.9	19.6	52.6	5.6	52.6	0.0	0.2	5.4	57.3	47.3
Iceland	211	14.6	26.1	10.8	16.4	25.3	6.8	25.3	2.2	0.0	4.6	21.8	28.6
Iran, Islamic Rep.	464	13.0	19.2	11.5	28.8	24.9	2.6	24.9	0.6	0.0	2.0	34.3	17.8
Ireland	378	14.1	14.5	5.5	27.8	34.8	3.2	34.8	0.5	0.0	2.7	36.4	33.1
Israel	158	9.8	9.1	2.9	17.6	53.7	6.8	53.7	0.0	0.0	6.8	52.4	55.5
Japan	632	8.3	8.6	6.7	22.1	53.4	0.8	53.4	0.3	0.0	0.6	53.6	53.3
Korea	364	5.7	7.5	4.7	24.6	57.6	0.0	57.6	0.0	0.0	0.0	58.2	57.0
Kuwait	209	13.6	19.9	9.1	29.2	19.3	9.0	19.3	0.0	0.3	8.7	21.4	17.1
Latvia (LSS)	302	7.5	11.8	5.1	15.6	52.5	7.5	52.5	0.0	0.4	7.1	54.4	50.2
Lithuania	306	10.3	12.2	3.0	14.2	44.7	15.7	44.7	1.1	0.8	13.8	41.5	49.2
Netherlands	250	18.6	17.8	7.0	22.7	26.6	7.3	26.6	0.6	0.8	5.9	29.8	21.4
New Zealand	459	15.1	20.4	6.8	27.8	28.2	1.8	28.2	0.0	0.6	1.2	30.6	25.9
Norway	398	14.2	19.3	12.1	21.9	27.9	4.7	27.9	0.0	0.0	4.7	27.2	28.5
Philippines	728	32.6	16.6	8.4	19.8	22.4	0.3	22.4	0.1	0.0	0.1	22.4	22.4
Portugal	428	17.1	17.9	6.9	29.5	23.5	5.2	23.5	0.0	0.2	5.0	22.8	24.3
Romania	462	11.8	9.8	3.2	15.4	49.1	10.7	49.1	4.2	0.0	6.5	49.0	49.2
Russian Federation	486	7.5	9.7	2.2	18.8	55.9	5.9	55.9	0.9	0.0	4.9	57.4	54.4
Scotland	355	15.6	21.8	8.6	22.6	25.6	5.8	25.6	2.6	0.3	2.9	22.4	28.6
Singapore	580	10.0	5.5	2.4	12.6	67.7	1.8	67.7	0.0	0.2	1.6	71.5	64.0
Slovak Republic	426	7.4	10.4	1.8	17.7	57.4	5.2	57.4	1.0	0.0	4.2	60.6	53.5
Slovenia	328	11.7	10.9	3.5	20.2	50.1	3.6	50.1	0.7	0.0	2.9	49.4	50.8
South Africa	509	20.1	24.0	7.8	27.2	17.5	3.5	17.5	0.9	1.2	1.3	18.9	15.8
Spain	472	8.8	12.9	2.8	21.9	50.2	3.4	50.2	0.0	0.0	3.4	51.4	49.0
Sweden	540	12.2	21.4	12.6	23.8	26.2	3.9	26.2	0.7	0.0	3.2	28.6	24.0
Switzerland	615	9.1	16.9	5.8	15.0	46.3	6.9	46.3	3.1	0.0	3.8	43.9	49.1
Thailand	687	11.1	9.1	3.6	16.7	58.0	1.6	58.0	0.0	0.0	1.6	63.1	49.6
United States	872	16.2	12.1	8.3	24.2	37.0	2.2	37.0	0.0	0.0	2.2	37.3	36.8
INTERNATIONAL AVG	.	12.8	14.1	5.8	21.0	40.7	5.6	40.7	0.9	0.1	4.6	42.0	39.5

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: R10 KEY: C
 Determine into how many triangles a trapezoid can be divided. (Geometry)
 Difficulty: 551

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	919	17.9	16.1	59.6	6.1	0.3	59.6	0.0	0.3	0.1	60.3	58.9
Austria	350	19.5	17.9	54.3	7.9	0.4	54.3	0.0	0.0	0.4	54.3	55.1
Belgium (Fl)	351	21.5	16.3	54.5	6.5	1.2	54.5	0.0	0.0	1.2	56.4	52.7
Belgium (Fr)	330	22.2	16.0	55.7	4.1	1.9	55.7	0.0	0.0	1.9	57.9	54.3
Bulgaria	350	21.4	17.7	53.4	4.4	3.2	53.4	0.0	0.0	3.2	56.6	49.6
Canada	1030	17.6	19.3	54.8	8.1	0.2	54.8	0.0	0.0	0.1	56.3	53.5
Colombia	341	37.5	24.7	22.2	13.6	1.9	22.2	0.0	0.4	1.5	21.3	23.2
Cyprus	349	27.8	21.0	41.3	8.8	1.2	41.3	0.0	0.0	1.2	38.8	43.7
Czech Republic	422	16.3	13.5	66.3	3.5	0.3	66.3	0.0	0.0	0.3	66.0	66.6
Denmark	280	12.6	11.8	70.1	4.2	1.4	70.1	0.3	0.0	1.1	68.7	71.7
England	229	21.9	18.7	55.2	4.3	0.0	55.2	0.0	0.0	0.0	56.4	54.2
France	370	19.7	9.7	64.7	5.4	0.5	64.7	0.0	0.0	0.5	66.2	63.0
Germany	352	33.1	18.7	39.2	6.5	2.5	39.2	0.0	0.3	2.2	45.8	33.3
Greece	499	34.8	21.2	33.0	10.4	0.6	33.0	0.4	0.0	0.2	28.8	36.8
Hong Kong	416	5.5	7.4	80.0	5.9	1.1	80.0	0.2	0.0	0.9	78.4	81.2
Hungary	368	16.7	10.5	63.5	8.6	0.8	63.5	0.0	0.2	0.6	64.3	62.5
Iceland	211	15.6	18.1	56.9	9.4	0.0	56.9	0.0	0.0	0.0	62.1	51.9
Iran, Islamic Rep.	464	35.4	23.0	34.2	7.4	0.0	34.2	0.0	0.0	0.0	36.5	32.3
Ireland	378	31.5	21.4	38.2	8.2	0.7	38.2	0.0	0.0	0.7	34.1	42.2
Israel	157	19.3	17.2	53.9	9.7	0.0	53.9	0.0	0.0	0.0	58.6	50.1
Japan	632	4.6	6.6	83.9	4.9	0.0	83.9	0.0	0.0	0.0	83.0	84.8
Korea	364	6.9	6.2	81.4	5.5	0.0	81.4	0.0	0.0	0.0	84.0	79.1
Kuwait	209	43.0	24.1	21.4	10.4	1.1	21.4	0.0	0.8	0.3	21.7	21.1
Latvia (LSS)	302	25.2	19.0	48.6	5.5	1.8	48.6	0.0	0.4	1.4	51.3	45.5
Lithuania	305	21.5	17.4	52.0	5.6	3.5	52.0	0.0	0.8	2.7	47.1	59.3
Netherlands	250	13.0	15.2	61.9	8.4	1.5	61.9	0.1	0.8	0.6	58.1	66.7
New Zealand	459	15.5	17.3	54.7	11.1	1.5	54.7	0.2	0.6	0.7	54.3	55.0
Norway	398	17.7	22.8	50.0	8.8	0.7	50.0	0.0	0.0	0.7	54.8	45.5
Philippines	728	34.1	31.6	23.2	11.0	0.1	23.2	0.0	0.0	0.1	19.5	28.2
Portugal	428	31.8	20.6	40.9	6.5	0.2	40.9	0.0	0.2	0.0	39.9	42.1
Romania	465	29.5	15.1	43.8	9.5	2.0	43.8	0.0	0.0	2.0	40.7	46.9
Russian Federation	486	21.6	16.7	54.3	6.1	1.3	54.3	0.0	0.0	1.3	54.4	54.1
Scotland	355	20.7	19.6	48.9	9.4	1.5	48.9	0.3	0.3	0.9	47.3	49.9
Singapore	580	8.4	7.1	74.4	9.9	0.2	74.4	0.0	0.2	0.0	73.6	75.1
Slovak Republic	426	18.9	19.7	54.5	6.6	0.3	54.5	0.0	0.0	0.3	51.5	58.1
Slovenia	328	16.3	13.0	63.1	7.2	0.3	63.1	0.0	0.0	0.3	58.9	67.1
South Africa	509	45.5	24.0	13.9	13.9	2.7	13.9	0.9	1.2	0.5	16.0	11.9
Spain	472	21.8	15.9	54.7	6.5	1.1	54.7	0.0	0.0	1.1	54.6	54.8
Sweden	540	20.0	17.2	57.8	5.1	0.0	57.8	0.0	0.0	0.0	57.4	58.1
Switzerland	615	16.8	18.3	55.9	8.0	1.0	55.9	0.0	0.0	1.0	58.5	52.9
Thailand	687	17.4	14.8	55.4	12.1	0.3	55.4	0.0	0.0	0.3	60.0	47.6
United States	872	21.7	25.4	43.6	8.3	1.1	43.6	0.0	0.0	1.0	40.4	46.3
INTERNATIONAL AVG	.	21.9	17.3	52.1	7.7	1.0	52.1	0.1	0.2	0.7	52.3	52.1

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: R11 KEY: A
 Solve algebra word problem: linear equation. (Algebra)
 Difficulty: 584

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	919	48.3	6.8	30.5	13.6	0.8	48.3	0.0	0.3	0.5	50.1	46.5
Austria	350	52.5	7.7	30.8	7.7	1.3	52.5	0.0	0.0	1.3	51.9	54.4
Belgium (Fl)	351	58.5	7.5	22.4	10.4	1.2	58.5	0.0	0.0	1.2	63.5	53.6
Belgium (Fr)	330	46.1	13.3	24.9	10.8	4.9	46.1	0.0	0.7	4.1	48.4	44.6
Bulgaria	350	49.7	4.8	31.6	8.7	5.1	49.7	0.0	0.0	5.1	49.5	49.9
Canada	1030	44.0	5.6	34.9	15.0	0.6	44.0	0.1	0.0	0.5	42.7	45.1
Colombia	341	29.4	9.5	26.2	29.1	5.8	29.4	0.5	0.4	4.9	30.4	28.7
Cyprus	349	36.6	11.8	36.1	12.1	3.5	36.6	0.0	0.0	3.5	36.7	36.8
Czech Republic	422	48.5	6.1	33.8	10.8	0.9	48.5	0.3	0.0	0.6	46.1	50.8
Denmark	280	48.9	8.6	27.5	11.7	3.2	48.9	0.0	0.0	3.2	53.0	45.7
England	229	39.4	11.9	39.5	8.9	0.4	39.4	0.0	0.0	0.4	43.6	35.9
France	370	45.7	7.0	36.2	10.2	0.9	45.7	0.4	0.0	0.5	38.3	52.9
Germany	352	40.2	9.9	34.8	12.3	2.8	40.2	0.0	0.3	2.6	39.5	42.6
Greece	499	38.4	11.4	36.9	11.6	1.8	38.4	0.2	0.0	1.6	41.0	36.0
Hong Kong	416	71.3	4.8	16.0	7.2	0.7	71.3	0.0	0.0	0.7	66.9	75.1
Hungary	368	40.1	16.2	24.8	14.0	4.9	40.1	0.0	0.2	4.7	42.3	37.6
Iceland	211	39.1	15.9	34.6	10.4	0.0	39.1	0.0	0.0	0.0	39.3	38.9
Iran, Islamic Rep.	464	31.0	17.0	30.0	20.9	1.0	31.0	0.0	0.0	1.0	33.2	29.1
Ireland	378	39.6	5.9	38.1	15.9	0.5	39.6	0.0	0.0	0.5	37.1	42.1
Israel	157	56.8	9.8	23.7	8.2	1.5	56.8	0.0	0.0	1.5	52.9	61.4
Japan	632	70.1	4.8	18.1	7.1	0.0	70.1	0.0	0.0	0.0	68.6	71.5
Korea	364	63.3	4.8	20.1	11.7	0.0	63.3	0.0	0.0	0.0	60.5	65.9
Kuwait	209	26.1	16.2	24.4	28.3	5.0	26.1	0.0	0.8	4.2	29.4	22.7
Latvia (LSS)	302	46.2	10.2	29.2	11.5	2.9	46.2	0.0	0.4	2.4	40.9	52.5
Lithuania	306	45.4	7.0	32.7	8.1	6.9	45.4	0.0	0.8	6.1	44.0	47.5
Netherlands	250	50.2	8.1	28.1	11.8	1.9	50.2	0.0	0.8	1.1	53.6	46.2
New Zealand	459	44.9	7.7	30.5	15.9	1.0	44.9	0.2	0.6	0.2	44.0	45.7
Norway	398	40.7	12.0	33.4	12.8	1.1	40.7	0.0	0.0	1.1	41.5	39.8
Philippines	728	21.8	16.3	41.2	19.8	0.8	21.8	0.0	0.0	0.8	18.8	26.0
Portugal	428	33.2	12.7	36.1	16.6	1.4	33.2	0.0	0.2	1.2	32.5	34.0
Romania	465	41.3	9.0	29.5	12.0	8.1	41.3	0.2	0.0	7.9	40.4	42.3
Russian Federation	486	62.1	4.2	22.9	8.6	2.3	62.1	0.0	0.0	2.3	61.4	62.8
Scotland	355	38.8	11.0	34.5	14.3	1.4	38.8	0.0	0.3	1.2	38.3	38.9
Singapore	580	79.3	1.4	14.0	4.8	0.5	79.3	0.0	0.2	0.2	80.3	78.4
Slovak Republic	426	48.0	6.6	35.0	8.3	2.1	48.0	0.0	0.0	2.1	44.7	52.0
Slovenia	328	44.4	7.4	32.9	13.4	1.9	44.4	0.0	0.0	1.9	41.1	47.4
South Africa	509	29.4	17.5	25.0	25.0	3.1	29.4	0.4	1.2	1.5	32.5	26.1
Spain	472	41.0	10.3	35.9	11.1	1.8	41.0	0.0	0.0	1.8	37.7	44.2
Sweden	540	45.9	9.7	30.7	12.9	0.7	45.9	0.1	0.0	0.6	45.9	46.3
Switzerland	615	57.8	7.4	25.5	7.7	1.6	57.8	0.0	0.0	1.6	57.0	58.7
Thailand	687	69.0	6.4	17.1	7.0	0.6	69.0	0.0	0.0	0.6	72.9	62.1
United States	872	43.3	9.3	29.9	16.4	0.9	43.3	0.0	0.0	0.9	40.3	46.0
INTERNATIONAL AVG	.	46.3	9.3	29.5	12.7	2.1	46.3	0.1	0.2	1.9	46.0	46.8

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: R12 KEY: C
 Subtract 4-digit whole numbers. (Fractions and number sense)
 Difficulty: 360

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1.GIRL % Right	2.BOY % Right
Australia	919	7.7	7.1	81.5	2.0	1.6	81.5	0.0	0.3	1.4	87.0	76.2
Austria	350	1.4	0.4	96.3	1.1	0.8	96.3	0.0	0.0	0.8	95.4	97.3
Belgium (Fl)	351	1.5	1.9	92.6	2.9	1.2	92.6	0.0	0.0	1.2	94.9	90.4
Belgium (Fr)	330	2.9	1.8	91.5	2.6	1.2	91.5	0.0	0.7	0.5	94.5	88.8
Bulgaria	350	6.2	5.6	77.6	6.2	4.4	77.6	0.6	0.0	3.7	78.6	76.4
Canada	1030	5.3	1.9	91.2	1.6	0.1	91.2	0.0	0.0	0.1	94.0	88.3
Colombia	341	10.0	5.4	64.4	16.3	3.9	64.4	0.0	0.4	3.5	72.3	55.6
Cyprus	349	4.0	3.0	85.2	7.2	0.5	85.2	0.0	0.0	0.5	88.3	82.7
Czech Republic	422	2.0	0.4	97.4	0.3	0.0	97.4	0.0	0.0	0.0	97.8	96.9
Denmark	280	3.3	3.8	87.9	3.5	1.5	87.9	0.0	0.0	1.5	92.2	83.7
England	229	20.3	7.4	65.3	4.2	2.9	65.3	0.0	0.0	2.9	72.1	59.8
France	370	1.0	0.6	96.9	1.6	0.0	96.9	0.0	0.0	0.0	97.3	96.3
Germany	352	4.3	3.6	89.1	0.9	2.2	89.1	0.0	0.3	1.9	91.5	87.7
Greece	499	5.5	1.9	90.8	1.0	0.8	90.8	0.2	0.0	0.6	92.0	89.8
Hong Kong	416	1.6	1.0	88.9	8.6	0.0	88.9	0.0	0.0	0.0	86.4	91.2
Hungary	368	1.1	1.5	95.8	1.1	0.5	95.8	0.0	0.2	0.3	97.0	94.3
Iceland	211	2.1	3.5	88.9	4.8	0.6	88.9	0.2	0.0	0.4	92.2	85.8
Iran, Islamic Rep.	464	4.5	2.5	83.3	9.1	0.7	83.3	0.0	0.1	0.6	79.2	86.2
Ireland	378	2.8	1.7	93.6	0.8	1.1	93.6	1.1	0.0	0.0	96.3	90.9
Israel	158	1.2	1.7	95.3	1.8	0.0	95.3	0.0	0.0	0.0	95.4	97.4
Japan	632	1.2	1.4	92.5	4.9	0.0	92.5	0.0	0.0	0.0	90.1	94.9
Korea	364	4.0	3.4	89.4	3.3	0.0	89.4	0.0	0.0	0.0	87.4	91.2
Kuwait	209	31.4	5.3	52.1	8.2	3.0	52.1	0.0	0.8	2.2	54.2	49.9
Latvia (LSS)	302	2.1	3.0	89.3	4.7	0.9	89.3	0.0	0.4	0.5	91.1	87.2
Lithuania	305	0.8	0.2	92.3	5.2	1.4	92.3	0.0	0.8	0.6	91.9	92.9
Netherlands	250	6.0	4.8	81.8	4.4	3.0	81.8	0.0	0.8	2.2	83.7	78.7
New Zealand	459	13.8	10.1	71.0	4.3	0.8	71.0	0.0	0.6	0.3	75.0	67.2
Norway	398	4.8	4.7	86.9	2.5	1.1	86.9	0.0	0.0	1.1	93.7	80.3
Philippines	727	12.1	2.1	80.3	5.1	0.4	80.3	0.0	0.0	0.4	81.9	78.2
Portugal	428	8.2	2.5	86.5	1.2	1.6	86.5	0.2	0.2	1.1	89.3	83.5
Romania	464	7.2	2.7	79.4	5.9	4.8	79.4	1.2	0.0	3.6	80.7	78.1
Russian Federation	486	2.0	0.9	92.4	4.0	0.7	92.4	0.0	0.0	0.7	94.7	90.0
Scotland	355	16.5	6.4	72.1	4.1	0.9	72.1	0.0	0.3	0.6	75.5	69.0
Singapore	580	0.5	0.1	97.7	1.1	0.6	97.7	0.0	0.5	0.1	96.9	98.4
Slovak Republic	427	4.6	0.6	92.8	0.7	1.4	92.8	1.1	0.0	0.2	95.6	89.5
Slovenia	328	0.9	0.7	97.7	0.3	0.3	97.7	0.0	0.0	0.3	98.4	97.2
South Africa	509	31.3	6.7	55.5	3.8	2.6	55.5	0.3	1.2	1.1	55.9	55.9
Spain	472	1.8	0.2	97.5	0.0	0.4	97.5	0.0	0.0	0.4	98.5	96.6
Sweden	540	3.8	4.6	88.4	2.3	0.9	88.4	0.3	0.0	0.6	90.8	86.4
Switzerland	615	0.8	1.2	95.6	1.6	0.7	95.6	0.0	0.0	0.7	95.6	95.7
Thailand	687	2.3	2.3	86.2	8.8	0.5	86.2	0.5	0.0	0.0	86.8	86.3
United States	872	3.2	2.6	90.5	2.8	0.9	90.5	0.0	0.0	0.9	92.0	89.1
INTERNATIONAL AVG	.	5.9	2.9	86.2	3.7	1.2	86.2	0.1	0.2	0.9	88.0	84.6

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: R13
 Determine how much money left after spending 7/9. (Fractions and number sense)
 Difficulty: 642

COUNTRY	N	10	70	71	72	73	75	79	90	99	V1	NOT	1. GIRL	2. BOY	
												REACH ED			% Right
Australia	919	34.0	0.5	2.8	1.5	1.0	1.2	38.2	5.0	15.7	34.0	0.3	15.4	34.1	33.9
Austria	350	41.5	1.5	2.4	1.5	0.4	0.6	38.8	4.5	8.7	41.5	0.0	8.7	37.5	47.4
Belgium (Fl)	351	51.8	0.3	0.6	2.9	0.2	0.2	35.9	0.0	8.1	51.8	0.0	8.1	54.7	48.9
Belgium (Fr)	330	35.0	0.0	0.0	0.0	0.0	0.0	49.2	0.0	15.9	35.0	0.7	15.1	26.5	41.7
Bulgaria	350	34.7	2.6	0.8	0.4	0.3	0.8	21.9	2.8	35.8	34.7	0.3	35.5	34.6	34.9
Canada	1030	30.8	1.4	3.2	0.9	1.0	0.9	48.7	2.7	10.3	30.8	0.0	10.3	25.7	36.2
Colombia	341	8.1	0.4	0.7	0.6	1.4	0.5	51.0	1.2	36.2	8.1	0.6	35.6	6.8	9.5
Cyprus	349	34.1	3.7	1.6	1.1	0.0	0.0	37.7	1.4	20.5	34.1	0.0	20.5	34.7	33.9
Czech Republic	422	35.1	1.5	3.0	2.0	0.2	0.5	40.7	4.0	12.9	35.1	0.0	12.9	30.3	39.6
Denmark	280	30.6	1.0	1.9	0.4	1.8	0.2	35.9	0.3	28.0	30.6	0.0	28.0	29.1	32.3
England	229	26.3	1.7	2.3	1.8	1.8	0.8	48.7	4.0	12.7	26.3	0.0	12.7	27.9	25.0
France	370	28.3	1.5	0.9	1.6	0.3	0.0	46.1	0.8	20.6	28.3	0.0	20.6	23.5	33.3
Germany	346	29.6	1.5	1.0	0.8	0.7	1.6	28.3	0.7	35.7	29.6	0.3	35.4	25.5	34.1
Greece	499	26.0	2.1	3.2	0.6	1.0	1.4	36.8	2.9	25.9	26.0	0.0	25.9	21.5	30.1
Hong Kong	415	55.5	0.0	0.2	1.5	0.0	0.6	39.5	0.3	2.4	55.5	0.0	2.4	49.6	60.2
Hungary	368	40.2	4.4	1.0	1.6	0.4	0.0	34.0	2.8	15.5	40.2	0.2	15.3	41.0	39.3
Iceland	211	30.0	1.5	3.7	3.2	0.0	1.5	46.3	0.9	12.9	30.0	0.0	12.9	31.6	28.6
Iran, Islamic Rep.	464	12.9	4.0	3.5	0.2	0.8	1.2	54.8	4.0	18.6	12.9	0.1	18.6	7.3	17.4
Ireland	378	52.2	0.7	1.4	1.9	0.8	0.4	37.7	1.1	3.8	52.2	0.0	3.8	54.8	49.5
Israel	158	43.3	0.6	0.0	0.6	0.0	0.0	36.9	0.0	18.6	43.3	0.0	18.6	32.3	55.9
Japan	632	57.0	0.3	2.4	2.3	0.7	0.0	32.8	1.2	3.2	57.0	0.0	3.2	55.3	58.7
Korea	364	51.4	0.5	1.9	1.7	0.5	0.5	40.8	0.0	2.7	51.4	0.0	2.7	49.2	53.5
Kuwait	209	2.0	0.4	0.6	1.9	0.0	0.4	66.7	4.1	23.9	2.0	0.8	23.1	2.2	1.8
Latvia (LSS)	301	26.2	6.4	0.4	0.9	1.2	0.9	38.8	3.3	22.0	26.2	0.4	21.5	23.8	29.0
Lithuania	306	15.2	1.2	0.6	0.5	0.0	0.7	47.2	3.6	31.0	15.2	0.8	30.2	10.8	21.6
Netherlands	250	42.4	0.9	1.6	2.8	0.0	2.1	37.2	9.1	3.9	42.4	0.8	3.1	40.5	44.1
New Zealand	459	28.4	1.3	3.3	1.0	0.6	1.6	47.0	0.9	15.9	28.4	0.6	15.3	27.3	29.4
Norway	398	31.0	3.3	2.7	0.7	1.8	1.9	38.7	6.9	13.0	31.0	0.0	13.0	33.4	28.8
Philippines	727	9.9	10.9	1.7	0.4	0.7	1.7	56.3	1.8	16.8	9.9	0.0	16.8	7.0	13.8
Portugal	428	5.0	0.6	1.3	2.1	0.9	2.7	45.6	4.3	37.6	5.0	0.2	37.4	3.3	6.8
Romania	464	19.0	0.2	0.6	0.8	0.8	0.6	51.5	0.0	26.4	19.0	0.0	26.4	18.7	19.3
Russian Federation	486	24.5	1.8	0.8	1.0	0.3	0.3	44.6	2.1	24.6	24.5	0.0	24.6	22.4	26.6
Scotland	355	23.1	0.0	2.6	3.1	0.9	2.4	48.7	2.1	17.0	23.1	0.3	16.8	21.4	24.7
Singapore	580	79.5	0.0	1.4	2.5	0.4	0.0	15.7	0.0	0.5	79.5	0.5	0.0	81.6	77.4
Slovak Republic	427	34.6	1.6	1.4	0.7	0.0	0.9	43.0	3.0	14.8	34.6	0.0	14.8	34.5	34.7
Slovenia	327	27.3	1.7	1.6	1.1	0.0	0.7	45.8	3.8	18.0	27.3	0.0	18.0	19.7	34.3
South Africa	510	3.7	0.0	0.5	0.8	0.8	2.2	74.4	0.7	16.9	3.7	1.2	15.7	2.3	5.1
Spain	472	17.8	1.2	1.1	0.0	0.5	0.2	60.5	2.3	16.4	17.8	0.0	16.4	13.0	22.4
Sweden	540	38.3	1.9	2.1	1.4	1.0	1.3	35.1	7.4	11.7	38.3	0.0	11.7	40.6	36.4
Switzerland	615	47.9	0.9	1.6	1.1	0.3	0.0	40.1	1.0	7.1	47.9	0.0	7.1	46.6	49.4
Thailand	687	40.1	0.0	1.3	1.2	0.9	0.5	46.9	0.8	8.2	40.1	0.0	8.2	42.3	35.8
United States	872	21.0	0.3	2.0	2.4	0.8	2.3	57.5	2.8	11.1	21.0	0.1	11.0	18.2	23.4
INTERNATIONAL AVG	.	31.6	1.6	1.6	1.3	0.6	0.9	43.4	2.4	16.7	31.6	0.2	16.5	29.6	33.5

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 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

Item: R14
 Solve multi-step word problem involving ratios. (Proportionality)
 Difficulty: 617

COUNTRY	N	10	70	71	72	73	74	79	90	99	V1	NOT	OMIT	1.GIRL	2.BOY
												REACH		% Right	% Right
												ED			
Australia	919	30.9	0.5	5.1	1.2	6.8	2.6	30.5	5.6	16.9	30.9	0.3	16.6	30.9	30.9
Austria	350	67.3	0.8	0.8	1.2	2.0	1.7	15.9	3.9	6.4	67.3	0.0	6.4	67.3	67.9
Belgium (Fl)	351	57.9	0.4	2.5	0.6	6.1	1.5	17.8	0.0	13.1	57.9	0.0	13.1	59.8	56.0
Belgium (Fr)	330	41.3	0.0	0.0	0.0	0.0	0.0	33.3	0.0	25.3	41.3	0.7	24.6	43.6	39.7
Bulgaria	350	34.4	1.3	5.2	0.0	3.2	1.5	18.0	2.3	34.1	34.4	0.3	33.8	36.4	32.1
Canada	1030	26.4	0.6	7.6	0.5	6.5	3.3	42.7	3.6	8.8	26.4	0.0	8.8	26.5	26.4
Colombia	341	7.4	0.3	2.9	0.6	3.3	2.3	66.9	1.7	14.5	7.4	0.6	14.0	4.1	11.0
Cyprus	349	30.4	0.0	1.7	1.1	5.4	4.2	27.5	1.1	28.7	30.4	0.0	28.7	28.3	32.2
Czech Republic	422	62.9	0.3	2.2	0.0	1.9	1.3	16.9	4.5	10.0	62.9	0.0	10.0	59.6	66.0
Denmark	280	27.8	0.0	3.4	1.9	6.3	4.0	25.5	0.6	30.4	27.8	0.8	29.6	31.6	24.6
England	229	17.4	0.0	7.8	1.2	7.5	7.0	43.0	5.8	10.3	17.4	0.0	10.3	21.8	13.8
France	370	54.3	1.0	2.5	0.3	2.8	1.9	16.8	0.6	19.8	54.3	0.0	19.8	53.4	55.2
Germany	344	37.3	1.6	1.4	1.5	5.1	0.8	18.5	2.0	31.8	37.3	0.3	31.5	32.3	44.3
Greece	499	39.3	0.4	1.7	1.0	7.1	3.9	25.2	1.2	20.4	39.3	0.0	20.4	35.2	42.9
Hong Kong	415	62.3	0.4	1.2	0.7	1.3	0.7	27.4	1.4	4.5	62.3	0.0	4.5	59.6	64.3
Hungary	368	41.8	0.3	3.4	1.4	2.2	1.0	26.4	6.3	17.2	41.8	0.2	17.1	41.3	42.4
Iceland	211	24.5	1.9	6.8	3.1	12.7	7.1	28.5	3.0	12.3	24.5	0.0	12.3	19.7	29.1
Iran, Islamic Rep.	464	18.7	2.5	8.4	0.8	3.0	3.4	39.1	5.6	18.6	18.7	0.1	18.5	11.4	24.1
Ireland	378	41.2	0.3	9.2	1.8	2.8	0.8	31.0	5.0	7.7	41.2	0.0	7.7	41.8	40.6
Israel	158	42.1	3.5	4.3	1.4	1.1	1.4	15.4	2.0	28.7	42.1	0.6	28.1	36.2	52.2
Japan	632	71.4	0.1	2.6	0.2	6.9	3.1	10.2	1.5	4.0	71.4	0.0	4.0	69.0	73.6
Korea	364	61.5	1.9	2.1	0.5	11.1	3.5	14.6	0.0	4.8	61.5	0.0	4.8	61.5	61.5
Kuwait	209	1.7	0.7	24.1	1.3	5.8	9.4	36.4	3.3	17.2	1.7	0.8	16.4	1.5	2.0
Latvia (LSS)	301	39.3	0.8	8.9	1.8	4.9	3.1	27.1	0.6	13.6	39.3	0.8	12.8	38.5	40.3
Lithuania	306	35.7	0.7	1.3	2.8	3.6	4.7	25.2	0.3	25.7	35.7	0.8	24.9	31.4	42.0
Netherlands	250	40.9	0.0	4.3	1.8	13.3	5.0	24.6	6.3	3.7	40.9	0.8	2.9	41.5	37.9
New Zealand	459	22.3	0.4	10.6	2.4	8.6	6.2	39.7	1.3	8.5	22.3	0.6	7.9	21.4	23.2
Norway	398	27.1	1.0	1.5	1.8	18.7	5.9	28.7	4.7	10.5	27.1	0.0	10.5	29.4	24.9
Philippines	727	10.3	8.4	7.7	2.1	2.9	3.9	57.9	0.4	6.5	10.3	0.0	6.5	9.9	10.9
Portugal	428	20.1	0.3	4.3	0.2	7.7	4.4	36.3	1.7	25.1	20.1	0.2	24.8	18.7	21.6
Romania	464	31.6	0.0	3.7	0.2	2.2	1.6	32.3	0.6	27.8	31.6	0.4	27.4	30.4	32.8
Russian Federation	486	49.4	1.3	0.7	0.9	5.9	2.1	17.7	1.3	20.6	49.4	0.0	20.6	50.4	48.4
Scotland	355	19.1	1.0	9.6	1.7	10.6	5.3	35.8	2.6	14.4	19.1	0.3	14.1	20.2	18.2
Singapore	580	82.7	0.2	0.9	0.2	0.9	0.7	13.3	0.0	1.1	82.7	0.5	0.6	85.2	80.3
Slovak Republic	427	54.3	0.4	3.6	1.0	4.5	2.2	18.2	3.7	12.0	54.3	0.0	12.0	52.5	56.4
Slovenia	327	52.4	0.0	2.3	1.0	3.5	0.4	24.1	2.7	13.5	52.4	0.0	13.5	48.2	56.3
South Africa	510	1.7	0.0	5.4	0.4	4.1	1.4	71.1	0.7	15.2	1.7	1.2	14.0	1.2	2.2
Spain	472	42.3	1.5	6.4	0.7	4.2	3.9	23.9	0.5	16.6	42.3	0.0	16.6	44.3	40.4
Sweden	540	30.0	0.3	11.2	2.2	12.0	5.5	21.4	7.3	10.2	30.0	0.0	10.2	30.6	29.4
Switzerland	615	60.1	0.1	0.5	0.4	2.2	0.5	24.3	1.8	10.2	60.1	0.0	10.2	64.9	54.7
Thailand	687	43.3	0.1	4.2	1.9	7.5	6.6	24.3	0.2	11.8	43.3	0.0	11.8	46.5	38.0
United States	872	23.5	0.9	13.9	2.5	11.0	5.1	35.1	2.1	5.9	23.5	0.1	5.8	24.8	22.3
INTERNATIONAL AVG	.	37.8	0.9	5.0	1.2	5.7	3.2	28.8	2.4	15.2	37.8	0.2	15.0	37.2	38.4

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 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

Item: S01A
 Complete chart by observing sequence of triangles in each of 3 figures. (Algebra)
 Difficulty: 421

COUNTRY	N	10	70	71	79	90	99	V1	NOT	OMIT	1.GIRL % Right	2.BOY % Right
									REACH ED			
Australia	894	80.3	4.2	4.6	6.0	0.7	4.3	80.3	1.1	3.2	82.5	77.9
Austria	347	90.7	0.4	0.5	5.5	0.9	1.9	90.7	0.0	1.9	89.8	92.9
Belgium (Fl)	361	83.4	3.9	1.9	7.6	0.0	3.2	83.4	0.2	2.9	82.4	84.3
Belgium (Fr)	315	84.5	0.0	0.0	9.8	0.0	5.8	84.5	2.2	3.6	83.2	86.6
Bulgaria	331	76.2	5.9	2.2	9.2	0.2	6.2	76.2	1.1	5.1	77.1	75.9
Canada	1054	81.7	7.6	4.4	4.9	0.1	1.4	81.7	0.3	1.0	82.3	81.0
Colombia	328	46.3	1.4	0.4	17.8	0.5	33.4	46.3	12.5	21.0	43.9	49.3
Cyprus	391	68.8	2.6	1.8	16.7	0.0	10.1	68.8	2.7	7.4	69.7	67.8
Czech Republic	429	74.8	6.6	10.1	4.5	0.0	4.1	74.8	2.1	2.0	76.4	73.2
Denmark	272	77.1	2.8	2.9	8.8	0.0	8.3	77.1	2.5	5.8	76.0	79.0
England	214	85.9	4.5	0.8	7.0	0.0	1.8	85.9	0.9	0.9	87.1	84.7
France	364	79.9	5.4	2.5	7.4	0.0	4.7	79.9	0.9	3.8	81.4	78.4
Germany	364	81.1	2.5	1.2	6.6	0.0	8.6	81.1	2.0	6.6	87.8	74.4
Greece	494	78.7	1.7	1.2	14.9	0.0	3.5	78.7	1.3	2.2	81.0	76.7
Hong Kong	413	81.7	2.5	7.6	5.7	0.0	2.5	81.7	0.5	2.0	84.9	79.1
Hungary	375	91.0	0.0	0.0	3.8	0.0	5.2	91.0	3.1	2.1	90.2	92.0
Iceland	232	77.0	9.5	4.6	5.1	0.2	3.6	77.0	0.6	3.1	75.4	78.6
Iran, Islamic Rep.	463	65.2	2.0	3.3	18.5	0.6	10.4	65.2	1.2	9.2	69.5	62.1
Ireland	379	72.8	9.3	1.0	13.9	0.7	2.2	72.8	0.8	1.5	73.2	72.4
Israel	186	78.2	5.3	2.9	6.8	0.0	6.8	78.2	3.7	3.1	78.3	78.1
Japan	659	94.1	0.3	2.3	2.4	0.0	0.8	94.1	0.3	0.5	96.9	91.6
Korea	364	84.2	1.1	6.1	7.0	0.0	1.6	84.2	0.5	1.1	79.8	87.3
Kuwait	210	34.0	5.9	2.1	42.1	0.5	15.4	34.0	0.0	15.4	39.0	29.5
Latvia (LSS)	291	76.0	4.7	1.5	11.2	0.0	6.6	76.0	2.5	4.1	76.2	75.8
Lithuania	306	65.6	4.7	3.6	8.1	0.0	18.0	65.6	8.0	10.0	70.1	60.1
Netherlands	240	84.0	1.5	0.0	9.9	0.0	4.6	84.0	0.9	3.7	90.9	77.7
New Zealand	466	80.6	5.5	4.8	6.8	0.3	1.9	80.6	0.3	1.6	83.7	77.9
Norway	403	77.3	5.4	5.1	7.6	1.3	3.3	77.3	1.3	2.0	79.8	74.9
Philippines	753	48.9	6.8	2.3	22.2	2.8	17.1	48.9	2.5	14.6	54.7	42.4
Portugal	426	71.3	3.7	1.4	14.8	0.0	8.9	71.3	3.6	5.3	68.4	74.0
Romania	468	62.7	0.4	0.0	18.5	0.1	18.3	62.7	5.1	13.2	65.4	59.8
Russian Federation	507	75.9	1.2	0.8	7.1	1.0	13.9	75.9	6.0	8.0	78.6	73.0
Scotland	352	89.0	3.0	1.1	5.3	0.0	1.6	89.0	0.4	1.2	89.0	89.0
Singapore	597	83.2	5.7	6.0	4.6	0.0	0.5	83.2	0.0	0.5	79.9	86.2
Slovak Republic	448	72.8	8.1	7.5	5.2	0.0	6.4	72.8	1.6	4.8	76.3	69.1
Slovenia	334	81.7	6.3	2.8	7.6	0.0	1.7	81.7	0.0	1.7	83.2	79.8
South Africa	583	20.4	3.3	1.0	32.8	0.3	42.3	20.4	3.6	38.7	19.3	20.6
Spain	480	80.3	1.2	1.1	13.5	0.0	4.0	80.3	1.6	2.4	79.4	81.2
Sweden	474	75.2	7.5	3.6	10.1	0.9	2.7	75.2	0.5	2.2	78.1	73.1
Switzerland	610	86.0	1.2	0.8	5.3	0.0	6.6	86.0	2.9	3.8	81.5	90.0
Thailand	771	85.6	2.9	1.3	7.2	0.0	3.1	85.6	0.5	2.7	84.9	86.2
United States	904	74.9	5.4	3.1	12.1	0.0	4.5	74.9	0.6	3.9	79.0	70.7
INTERNATIONAL AVG	.	75.2	3.9	2.7	10.5	0.3	7.4	75.2	2.0	5.5	76.3	74.2

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 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

Item: S01B
 Extend triangle pattern from 3 figures to 8th. (Algebra)
 Difficulty: 692

COUNTRY	N	10	70	71	79	90	99	V1	NOT	OMIT	1.GIRL % Right	2.BOY % Right
									REACH ED			
Australia	894	32.3	2.0	1.9	42.4	2.9	18.5	32.3	2.6	15.9	34.6	29.9
Austria	347	34.7	4.7	0.0	45.3	2.5	12.7	34.7	0.5	12.2	38.4	32.5
Belgium (Fl)	361	31.3	5.0	2.7	51.8	0.3	8.9	31.3	2.4	6.5	31.9	30.7
Belgium (Fr)	315	21.6	0.0	0.0	49.3	0.0	29.1	21.6	3.0	26.1	20.7	22.6
Bulgaria	331	18.5	2.8	2.2	31.9	1.0	43.7	18.5	5.0	38.7	20.4	17.0
Canada	1054	33.1	2.5	3.5	50.2	1.7	8.9	33.1	1.0	8.0	39.5	28.4
Colombia	328	11.5	2.5	0.5	31.2	0.9	53.5	11.5	18.0	35.6	12.3	10.8
Cyprus	391	20.0	4.0	1.7	41.1	0.2	32.9	20.0	6.6	26.3	21.0	19.2
Czech Republic	429	32.1	2.1	2.1	38.6	2.0	23.0	32.1	4.0	19.0	32.6	31.6
Denmark	272	23.8	4.0	1.7	34.7	0.0	35.9	23.8	6.2	29.7	21.5	26.4
England	214	42.3	1.9	1.0	43.9	1.5	9.5	42.3	1.8	7.7	42.7	41.9
France	364	17.7	4.2	3.3	53.3	0.1	21.4	17.7	3.9	17.5	15.7	20.2
Germany	366	17.9	4.3	0.3	33.7	3.2	40.6	17.9	6.4	34.2	20.3	15.9
Greece	494	13.2	3.4	1.8	50.1	1.9	29.7	13.2	2.3	27.5	15.3	11.4
Hong Kong	413	48.0	2.6	0.7	36.1	0.2	12.4	48.0	0.7	11.7	48.2	47.9
Hungary	375	33.6	1.3	0.0	31.1	1.4	32.5	33.6	4.3	28.1	33.8	33.4
Iceland	233	16.3	3.1	3.5	40.0	2.9	34.1	16.3	1.3	32.8	13.1	19.7
Iran, Islamic Rep.	463	11.5	1.5	1.6	54.9	0.3	30.2	11.5	7.3	22.8	15.1	8.9
Ireland	379	24.8	2.0	3.2	51.2	2.4	16.3	24.8	1.5	14.7	24.9	24.8
Israel	186	24.9	2.6	2.4	45.5	0.0	24.6	24.9	6.3	18.3	18.5	33.8
Japan	659	52.2	1.7	0.1	39.6	0.1	6.3	52.2	0.6	5.7	53.0	51.5
Korea	364	37.6	1.5	0.8	55.4	0.0	4.6	37.6	1.4	3.3	34.3	40.0
Kuwait	210	19.9	4.1	2.5	38.4	2.7	32.3	19.9	0.5	31.8	20.0	19.9
Latvia (LSS)	291	17.5	0.8	1.4	36.3	0.9	43.1	17.5	5.3	37.7	15.4	19.6
Lithuania	306	13.4	2.5	0.3	30.2	2.3	51.4	13.4	15.1	36.3	13.8	12.9
Netherlands	240	38.3	6.2	1.1	41.0	4.1	9.3	38.3	4.2	5.0	39.8	35.8
New Zealand	466	30.5	2.7	2.1	50.7	0.8	13.3	30.5	1.0	12.3	32.6	28.6
Norway	403	21.8	2.4	1.3	54.9	5.0	14.7	21.8	1.8	12.9	24.8	18.9
Philippines	753	15.0	3.3	1.7	43.2	2.3	34.5	15.0	7.3	27.2	16.7	13.1
Portugal	426	13.3	2.5	1.1	46.2	2.3	34.6	13.3	7.6	27.0	13.2	13.4
Romania	468	19.6	1.3	0.4	27.7	0.0	51.1	19.6	13.0	38.0	19.5	19.7
Russian Federation	507	22.5	2.7	0.1	34.1	0.6	40.1	22.5	9.8	30.3	20.6	24.6
Scotland	352	35.2	4.3	1.1	45.2	1.3	12.9	35.2	1.0	11.9	39.3	31.5
Singapore	597	49.7	2.0	2.3	40.7	0.4	4.8	49.7	0.4	4.4	47.1	52.1
Slovak Republic	448	26.8	1.3	3.8	29.9	2.7	35.6	26.8	5.0	30.6	28.6	24.9
Slovenia	334	31.5	2.4	2.4	42.2	0.6	20.9	31.5	1.2	19.6	31.7	30.6
South Africa	583	2.6	2.0	1.7	24.6	1.3	67.8	2.6	11.4	56.4	1.3	4.1
Spain	480	21.8	5.7	0.5	55.1	0.5	16.4	21.8	3.3	13.1	20.7	23.0
Sweden	474	17.5	4.5	1.6	54.4	5.1	17.0	17.5	1.8	15.2	19.7	15.6
Switzerland	610	38.1	4.1	0.1	37.2	3.2	17.2	38.1	4.3	13.0	36.2	39.8
Thailand	771	25.7	1.1	2.6	65.1	0.6	5.0	25.7	0.8	4.2	24.8	26.5
United States	904	25.4	2.7	3.1	56.1	2.2	10.4	25.4	1.6	8.8	25.2	25.5
INTERNATIONAL AVG	.	25.8	2.8	1.6	43.0	1.5	25.3	25.8	4.4	20.9	26.2	25.7

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 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

Item: S02A
 Calculate area square given area of rectangle containing 5 squares. (Measurement)
 Difficulty: 498

COUNTRY	N	10	70	79	90	99	NOT REACH			1.GIRL % Right	2.BOY % Right
							V1	ED	OMIT		
Australia	894	61.5	1.3	22.2	2.7	12.3	61.5	7.2	5.1	65.2	57.6
Austria	347	79.0	0.0	14.3	0.7	6.1	79.0	1.7	4.4	74.6	83.5
Belgium (Fl)	361	67.6	1.8	23.5	0.3	6.8	67.6	2.9	3.8	72.2	62.9
Belgium (Fr)	315	71.6	0.0	15.4	0.0	13.0	71.6	6.8	6.2	75.9	67.8
Bulgaria	331	66.2	1.6	9.5	0.3	22.4	66.2	13.8	8.7	69.5	63.6
Canada	1054	68.8	0.7	24.6	1.0	4.9	68.8	1.9	3.0	72.2	65.7
Colombia	176	24.5	1.7	16.4	1.0	56.4	24.5	41.8	14.5	27.6	22.2
Cyprus	392	49.9	0.5	26.1	0.2	23.3	49.9	15.3	7.9	48.8	50.6
Czech Republic	429	68.6	0.0	12.7	3.0	15.7	68.6	11.6	4.1	65.6	71.4
Denmark	272	47.0	1.6	27.9	0.6	22.7	47.0	14.9	7.8	42.4	51.7
England	214	52.2	2.2	34.4	2.3	8.9	52.2	3.9	4.9	53.6	50.9
France	364	73.2	0.0	10.7	0.6	15.5	73.2	6.8	8.7	70.4	76.2
Germany	366	54.4	1.4	22.1	1.0	21.0	54.4	14.3	6.7	59.5	49.9
Greece	494	51.9	0.0	22.4	1.4	24.3	51.9	14.6	9.6	55.2	49.2
Hong Kong	413	86.7	1.2	8.8	0.1	3.2	86.7	1.5	1.7	87.1	86.3
Hungary	375	68.5	0.3	11.1	0.8	19.4	68.5	12.4	6.9	67.4	69.7
Iceland	233	48.7	2.1	39.6	0.9	8.7	48.7	3.5	5.2	57.8	39.2
Iran, Islamic Rep.	463	43.8	0.6	35.5	0.9	19.2	43.8	12.4	6.8	46.1	42.2
Ireland	379	72.6	0.6	17.4	1.4	8.0	72.6	4.0	4.0	73.1	72.0
Israel	186	55.5	0.6	17.3	1.7	24.8	55.5	12.4	12.4	51.1	62.4
Japan	659	89.0	0.7	7.5	0.0	2.7	89.0	1.5	1.2	91.1	87.1
Korea	364	73.6	0.0	6.9	0.0	19.5	73.6	2.2	17.3	70.7	75.7
Kuwait	210	17.4	3.4	40.5	1.4	37.4	17.4	0.5	36.9	20.0	15.0
Latvia (LSS)	291	59.9	0.5	15.6	1.0	23.0	59.9	16.7	6.3	61.7	58.1
Lithuania	306	54.7	1.0	12.8	0.4	31.1	54.7	24.6	6.5	55.1	54.2
Netherlands	240	60.8	4.6	24.1	4.2	6.4	60.8	5.9	0.4	62.4	59.1
New Zealand	466	53.5	2.5	33.7	0.6	9.7	53.5	3.3	6.4	54.1	53.0
Norway	403	63.6	2.0	21.8	2.8	9.8	63.6	5.1	4.7	65.5	61.8
Philippines	753	30.3	9.0	45.4	1.2	14.1	30.3	9.7	4.4	32.3	28.2
Portugal	426	41.7	0.7	22.1	0.7	34.8	41.7	19.4	15.4	42.7	40.7
Romania	468	61.8	0.2	12.4	0.7	24.9	61.8	20.7	4.2	63.6	59.9
Russian Federation	507	75.2	0.2	5.9	0.3	18.4	75.2	15.8	2.7	77.7	72.4
Scotland	352	60.7	2.0	26.8	0.9	9.6	60.7	3.0	6.6	62.5	59.1
Singapore	597	95.6	0.0	3.3	0.0	1.1	95.6	0.5	0.6	95.6	95.6
Slovak Republic	448	71.5	0.0	9.3	1.0	18.3	71.5	13.1	5.2	74.7	68.2
Slovenia	334	74.0	0.8	15.5	0.0	9.7	74.0	4.6	5.1	74.9	72.8
South Africa	583	14.9	2.0	61.1	1.5	20.5	14.9	16.2	4.3	10.8	20.2
Spain	480	53.8	0.0	21.8	0.9	23.6	53.8	8.9	14.6	51.9	55.9
Sweden	474	59.1	0.9	26.8	3.7	9.4	59.1	4.7	4.7	64.1	54.9
Switzerland	608	72.0	0.0	15.9	1.1	10.9	72.0	7.9	3.0	72.1	71.9
Thailand	771	78.4	0.2	15.3	0.5	5.6	78.4	1.9	3.7	79.8	75.8
United States	904	57.3	1.7	30.7	1.7	8.7	57.3	4.2	4.5	58.2	56.3
INTERNATIONAL AVG	.	60.3	1.2	21.1	1.1	16.3	60.3	9.4	6.9	61.3	59.3

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 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

Item: S02B
 Calculate length of side of square given area. (Measurement)
 Difficulty: 665

COUNTRY	N	10	70	71	72	73	79	90	99	V1	NOT	1.GIRL	2.BOY	
											REACH			OMIT	% Right	% Right
Australia	894	28.1	3.0	7.9	4.8	1.7	31.7	3.2	19.5	28.1	11.2	8.3	27.6	28.6
Austria	347	48.5	0.4	12.3	1.8	3.3	24.8	0.8	8.1	48.5	5.0	3.1	40.0	56.9
Belgium (Fl)	361	30.1	4.5	9.6	6.4	3.3	33.7	0.3	12.2	30.1	6.1	6.1	27.0	33.3
Belgium (Fr)	315	37.4	0.0	0.0	0.0	0.0	38.5	0.0	24.0	37.4	11.0	13.1	34.0	41.1
Bulgaria	331	42.2	5.7	1.1	0.6	1.2	18.9	0.0	30.3	42.2	21.1	9.2	44.3	40.9
Canada	1054	23.1	3.3	12.7	6.2	3.8	40.0	1.7	9.3	23.1	4.2	5.2	21.0	24.7
Colombia	176	8.8	2.6	0.4	0.0	0.4	22.6	0.6	64.6	8.8	54.6	10.0	13.7	4.6
Cyprus	392	31.7	2.2	1.7	0.0	2.3	34.6	0.2	27.3	31.7	22.3	5.0	28.1	35.2
Czech Republic	429	42.4	0.6	7.3	0.8	4.6	20.0	2.8	21.4	42.4	15.3	6.1	39.7	45.1
Denmark	272	19.5	4.2	3.7	4.7	5.3	32.1	0.0	30.4	19.5	21.1	9.3	15.1	24.2
England	214	22.6	5.3	6.5	6.7	2.8	40.3	3.3	12.5	22.6	7.7	4.8	21.7	23.4
France	364	34.4	0.6	10.8	1.1	8.1	17.7	0.3	26.9	34.4	14.5	12.4	28.2	40.9
Germany	366	22.8	3.7	4.9	3.8	5.1	26.7	1.2	31.7	22.8	19.5	12.2	25.2	20.9
Greece	494	21.4	1.1	2.1	1.8	2.7	33.3	2.3	35.2	21.4	23.5	11.7	17.8	24.4
Hong Kong	413	72.0	1.3	4.1	1.7	2.0	13.2	0.0	5.7	72.0	3.2	2.4	68.8	74.7
Hungary	375	35.3	1.9	6.6	0.8	2.9	20.5	0.5	31.5	35.3	17.8	13.7	31.9	39.2
Iceland	233	9.7	10.5	10.0	9.8	9.4	33.1	3.7	13.9	9.7	6.1	7.8	7.9	11.6
Iran, Islamic Rep.	463	5.8	1.7	6.3	0.5	0.2	44.8	0.7	40.0	5.8	17.4	22.6	3.1	7.9
Ireland	379	28.0	0.9	11.6	7.2	5.3	29.7	2.0	15.5	28.0	7.1	8.3	26.7	29.2
Israel	186	19.7	2.6	8.0	0.7	4.1	29.4	1.0	34.5	19.7	22.8	11.7	17.5	23.5
Japan	659	51.7	1.9	5.8	0.3	9.7	23.9	0.2	6.4	51.7	2.5	3.9	49.8	53.5
Korea	364	45.7	0.5	4.2	0.8	5.0	17.6	0.0	26.3	45.7	19.5	6.8	39.4	50.2
Kuwait	210	5.5	10.4	1.7	2.4	1.0	38.8	1.9	38.3	5.5	0.5	37.8	3.2	7.6
Latvia (LSS)	291	24.3	3.1	5.5	2.4	2.5	26.4	1.5	34.3	24.3	20.8	13.6	21.1	27.6
Lithuania	306	23.7	2.2	4.6	0.0	1.7	22.9	0.6	44.5	23.7	30.3	14.2	22.6	25.0
Netherlands	240	23.8	9.5	2.6	15.6	6.7	32.4	2.5	6.9	23.8	6.4	0.5	19.8	26.3
New Zealand	466	14.9	5.5	7.9	6.0	4.5	45.5	0.8	14.9	14.9	8.1	6.7	11.4	18.0
Norway	403	14.1	8.6	9.3	2.0	8.1	37.9	4.6	15.3	14.1	8.8	6.5	8.2	19.7
Philippines	753	7.6	7.8	5.4	1.1	1.5	56.6	1.5	18.6	7.6	13.3	5.3	7.1	8.1
Portugal	426	7.7	1.1	7.4	3.7	4.9	30.9	1.1	43.2	7.7	33.6	9.6	8.2	7.3
Romania	468	46.6	0.8	0.5	0.0	0.2	19.0	0.1	32.8	46.6	23.7	9.1	46.8	46.3
Russian Federation	507	42.5	1.3	10.0	2.2	5.5	10.7	0.3	27.5	42.5	18.1	9.4	39.1	46.4
Scotland	352	19.4	4.9	8.5	8.8	2.9	38.1	2.8	14.6	19.4	8.5	6.1	19.3	19.5
Singapore	597	90.0	0.2	1.0	0.8	1.7	4.9	0.0	1.4	90.0	1.1	0.3	89.6	90.3
Slovak Republic	448	49.7	0.4	4.2	3.3	1.5	14.5	1.4	25.0	49.7	18.1	6.9	52.0	47.3
Slovenia	334	45.1	2.9	5.7	1.5	2.3	25.7	0.0	16.8	45.1	9.4	7.4	40.5	50.5
South Africa	583	2.2	3.8	2.7	0.3	2.5	65.3	1.3	21.8	2.2	18.4	3.4	1.6	2.9
Spain	480	22.0	0.9	7.4	4.0	1.8	28.4	0.7	34.8	22.0	22.7	12.1	20.0	24.2
Sweden	474	16.6	8.2	14.9	5.4	8.0	30.0	5.5	11.4	16.6	7.9	3.6	15.6	17.5
Switzerland	608	30.8	0.3	8.5	4.4	6.2	31.5	2.2	16.0	30.8	9.6	6.4	24.0	37.1
Thailand	771	36.1	1.6	5.8	0.5	2.6	44.5	0.4	8.5	36.1	5.0	3.4	36.5	35.3
United States	904	15.1	1.4	6.0	10.0	6.2	46.6	2.5	12.1	15.1	8.2	3.9	13.7	16.6
INTERNATIONAL AVG	.	29.0	3.2	6.1	3.2	3.7	30.4	1.4	23.0	29.0	14.4	8.6	26.9	31.1

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 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

Item: S02C
 Find perimeter of rectangle containing 5 squares of known size. (Measurement)
 Difficulty: 680

COUNTRY	N	10	11	12	19	70	71	79	90	99	V1	NOT	1. GIRL	2. BOY	
												REACH			% Right
												ED			
Australia	894	17.7	1.0	7.9	0.1	5.8	4.1	35.2	4.5	23.7	26.7	19.2	4.5	27.3	26.0
Austria	347	29.0	0.2	10.0	0.1	17.9	0.4	28.2	1.2	13.0	39.3	8.1	4.9	33.0	45.5
Belgium (Fl)	361	16.3	1.1	4.0	1.6	11.5	2.5	47.9	0.3	14.6	23.1	11.8	2.8	22.3	23.9
Belgium (Fr)	315	0.0	0.0	0.0	21.6	0.0	0.0	47.3	0.0	31.2	21.6	22.7	8.5	22.2	21.0
Bulgaria	331	28.3	1.0	0.6	0.4	2.7	0.4	29.4	0.3	36.8	30.3	29.9	7.0	28.2	33.1
Canada	1054	13.1	0.9	8.8	0.0	11.4	6.5	44.1	2.0	13.2	22.8	8.5	4.7	22.4	23.1
Colombia	175	7.8	0.0	0.0	0.0	1.0	0.5	22.3	0.6	67.8	7.8	60.7	7.1	15.5	1.0
Cyprus	392	15.8	0.8	0.0	0.0	0.2	2.2	48.1	0.2	32.5	16.6	26.1	6.4	13.6	19.6
Czech Republic	429	26.6	0.0	5.9	0.0	9.5	2.6	26.3	2.3	26.7	32.6	21.2	5.5	28.6	36.5
Denmark	272	13.5	0.0	7.4	0.0	6.9	1.0	39.5	0.0	31.7	20.9	28.7	3.0	14.9	27.2
England	214	13.7	2.7	9.1	0.0	8.5	3.7	41.2	4.2	16.8	25.6	11.8	5.0	27.7	23.6
France	364	17.5	0.6	5.6	0.6	9.5	1.1	30.3	0.3	34.3	24.4	25.8	8.5	21.9	27.7
Germany	367	12.2	1.7	3.2	0.0	6.6	1.9	34.1	0.8	39.4	17.1	31.7	7.7	19.9	14.7
Greece	494	15.0	0.2	3.7	0.0	6.0	2.3	31.5	2.6	38.6	18.9	34.6	4.0	15.1	22.1
Hong Kong	413	56.0	0.2	4.6	0.0	9.7	1.0	20.1	0.0	8.4	60.8	5.2	3.2	57.7	63.4
Hungary	375	21.3	0.7	2.6	0.0	4.4	5.9	28.3	1.3	35.5	24.5	29.3	6.2	18.3	31.9
Iceland	231	5.4	3.7	5.8	3.4	3.1	6.5	51.8	2.9	17.4	18.3	10.8	6.6	18.8	17.8
Iran, Islamic Rep.	461	0.6	0.0	0.0	0.0	1.0	12.0	28.9	0.9	56.6	0.6	36.8	19.8	0.1	1.0
Ireland	379	14.9	0.3	4.4	0.0	9.1	2.0	45.5	1.9	22.0	19.5	14.7	7.3	17.3	21.6
Israel	186	2.8	0.0	0.0	0.0	7.3	3.1	42.6	0.5	43.8	2.8	34.5	9.3	3.7	1.9
Japan	659	41.6	0.7	13.4	0.0	0.8	2.1	32.5	0.1	9.0	55.6	6.1	2.8	56.1	55.2
Korea	364	39.1	0.0	1.6	0.0	3.7	1.2	23.6	0.0	30.8	40.7	26.3	4.5	31.4	47.3
Kuwait	210	4.6	0.4	2.2	0.5	2.1	2.6	44.6	1.4	41.6	7.8	0.5	41.1	8.5	7.1
Latvia (LSS)	291	12.8	1.2	2.8	0.9	3.9	0.9	38.1	0.9	38.6	17.6	33.6	4.9	16.8	18.5
Lithuania	305	12.9	0.0	0.0	0.0	6.0	1.2	30.3	0.4	49.2	12.9	43.0	6.2	10.4	16.0
Netherlands	240	12.2	4.2	12.6	0.0	15.3	4.7	40.0	3.4	7.6	29.0	6.9	0.8	29.4	28.7
New Zealand	466	10.7	1.0	10.6	0.0	5.5	11.9	42.1	0.4	17.8	22.3	13.1	4.8	19.8	24.5
Norway	403	9.0	4.0	10.8	0.0	8.4	1.2	43.3	6.7	16.6	23.8	13.5	3.1	18.7	28.6
Philippines	753	5.2	0.7	0.0	0.0	11.2	11.4	49.7	1.3	20.6	5.8	17.7	2.9	4.4	7.6
Portugal	426	4.0	0.2	3.3	0.1	3.3	3.3	37.0	0.7	48.2	7.5	41.3	6.9	8.6	6.5
Romania	467	19.3	0.4	0.5	0.4	1.2	1.3	39.1	0.1	37.7	20.6	32.3	5.4	17.3	24.1
Russian Federation	507	21.8	0.4	1.6	0.7	10.0	2.2	30.4	0.2	32.6	24.4	27.2	5.5	22.9	26.1
Scotland	352	10.8	0.7	6.7	0.0	7.8	5.6	42.5	1.9	24.0	18.2	13.7	10.3	17.0	19.3
Singapore	597	63.9	0.4	2.6	0.0	14.7	0.5	16.1	0.0	1.8	66.9	1.4	0.4	67.5	66.4
Slovak Republic	448	31.0	0.2	5.0	0.6	8.1	2.1	23.6	1.4	28.0	36.8	24.1	3.8	36.3	37.3
Slovenia	334	25.2	1.2	3.3	0.5	6.4	1.3	40.5	0.4	21.1	30.3	16.0	5.1	29.2	31.8
South Africa	583	1.9	0.8	0.1	0.0	2.0	8.0	63.6	0.5	23.2	2.8	20.5	2.7	2.5	3.2
Spain	480	13.5	0.1	1.3	0.2	10.3	3.7	31.4	0.6	39.0	15.1	32.8	6.1	12.9	17.4
Sweden	474	10.3	4.9	13.1	0.0	11.1	3.1	36.9	5.3	15.3	28.4	10.9	4.4	27.8	29.0
Switzerland	608	20.7	0.0	7.1	0.0	13.1	1.2	34.5	2.6	20.8	27.8	15.1	5.7	22.8	32.4
Thailand	771	19.3	0.2	2.2	0.0	14.1	5.0	49.2	0.2	9.9	21.7	7.9	2.0	22.3	20.2
United States	904	9.1	0.4	5.4	0.0	6.2	10.9	52.3	2.8	13.0	14.8	10.9	2.1	12.5	17.1
INTERNATIONAL AVG	.	17.3	0.9	4.5	0.8	7.1	3.5	37.2	1.4	27.4	23.5	21.1	6.3	22.0	24.9

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 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

Item: T01A
 Solve multi-step algebra word problem of simultaneous equations. (Algebra)
 Difficulty: 627

COUNTRY	N	20	10	11	70	71	72	79	90	99	V1	V2	NOT	1.GIRL	2.BOY	
													REACH			% Right	% Right
													ED	OMIT		
Australia	1819	33.7	0.4	2.7	14.4	4.0	1.3	22.0	4.2	17.4	36.8	33.7	2.0	15.4	33.9	33.6
Austria	679	38.7	1.0	3.6	12.0	3.3	0.8	30.9	3.9	5.9	43.2	38.7	0.2	5.6	35.0	42.6
Belgium (Fl)	724	52.1	1.5	1.9	18.6	4.6	0.5	12.8	1.2	6.8	55.5	52.1	0.7	6.1	53.6	50.7
Belgium (Fr)	633	40.4	3.0	0.0	0.0	0.0	0.0	40.5	0.0	16.1	43.4	40.4	2.8	13.3	40.3	40.8
Bulgaria	643	29.5	3.8	5.7	2.2	3.9	0.5	16.2	1.3	36.8	39.0	29.5	5.2	31.6	28.1	31.2
Canada	2108	33.3	1.1	2.8	16.4	4.0	1.6	27.9	3.4	9.5	37.2	33.3	0.6	8.9	35.9	31.2
Colombia	667	3.9	0.0	1.9	5.4	6.6	0.1	30.5	0.8	50.7	5.8	3.9	19.0	31.7	3.2	4.8
Cyprus	764	27.4	5.2	2.7	4.1	1.9	0.8	18.7	0.3	39.0	35.3	27.4	1.4	37.5	28.2	26.7
Czech Republic	850	51.3	0.6	2.5	5.7	3.9	0.6	17.3	7.5	10.6	54.4	51.3	1.8	8.8	50.8	51.9
Denmark	565	27.1	0.9	3.1	13.4	2.9	0.9	25.7	0.6	25.4	31.1	27.1	4.2	21.2	28.5	25.9
England	436	24.1	0.3	3.9	23.9	5.9	0.7	28.1	2.4	10.8	28.3	24.1	0.8	9.9	21.4	26.6
France	749	26.6	1.0	4.1	15.2	2.9	1.7	26.3	1.7	20.5	31.7	26.6	2.4	18.1	25.8	28.0
Germany	720	24.6	1.3	3.6	10.1	5.1	1.1	19.9	3.4	30.9	29.6	24.6	3.0	27.9	24.3	25.2
Greece	985	20.6	0.2	4.1	11.6	4.8	0.8	27.5	4.9	25.5	24.8	20.6	1.8	23.7	17.6	23.3
Hong Kong	827	46.6	2.2	7.3	8.2	2.4	0.9	18.5	1.4	12.5	56.1	46.6	0.8	11.7	43.7	49.0
Hungary	727	45.5	1.3	6.0	4.1	2.3	0.1	16.3	5.7	18.7	52.8	45.5	3.0	15.8	47.2	43.8
Iceland	459	26.7	1.4	5.0	15.5	6.1	1.0	23.9	3.2	17.3	33.1	26.7	1.6	15.6	28.3	25.0
Iran, Islamic Rep.	925	12.3	0.7	1.3	13.9	4.5	5.7	38.7	0.3	22.5	14.4	12.3	2.6	19.8	10.4	13.9
Ireland	765	37.7	2.2	3.7	14.9	3.3	2.4	22.4	2.7	10.6	43.5	37.7	1.4	9.2	30.7	44.6
Israel	375	45.3	0.5	2.7	12.5	1.6	0.5	15.1	1.0	20.9	48.5	45.3	6.5	14.4	41.2	48.6
Japan	1296	53.7	1.5	4.4	12.8	3.2	0.4	13.6	1.8	8.7	59.5	53.7	0.0	8.7	51.7	55.6
Korea	733	43.1	1.6	4.3	14.9	2.2	1.3	21.4	0.0	11.1	49.0	43.1	0.0	11.1	41.3	44.5
Kuwait	414	4.0	0.5	0.3	4.2	9.5	2.3	27.9	2.3	48.8	4.9	4.0	9.1	39.7	1.1	6.8
Latvia (LSS)	587	25.4	1.4	2.8	7.1	5.3	0.2	21.8	6.4	29.7	29.6	25.4	5.1	24.6	21.6	29.5
Lithuania	632	26.0	1.6	1.4	5.4	3.7	0.4	20.0	5.2	36.3	29.0	26.0	9.1	27.3	28.2	23.4
Netherlands	490	35.6	0.3	5.7	15.5	4.0	1.6	22.3	6.7	8.2	41.6	35.6	0.8	7.4	37.4	33.1
New Zealand	925	27.2	1.0	2.5	17.4	5.9	1.5	30.0	2.0	12.6	30.7	27.2	1.2	11.4	25.1	29.0
Norway	815	31.3	1.3	2.1	17.6	3.7	2.9	20.6	6.7	13.9	34.7	31.3	1.6	12.3	27.4	35.3
Philippines	1498	8.9	0.5	3.5	6.9	6.4	1.2	49.7	4.9	18.1	12.9	8.9	2.1	16.0	9.0	8.8
Portugal	855	7.6	1.1	2.0	13.3	4.0	1.2	36.1	5.0	29.8	10.7	7.6	3.7	26.1	5.5	9.5
Romania	929	36.0	3.0	2.7	3.3	2.7	0.3	21.9	0.4	29.6	41.8	36.0	7.8	21.7	39.4	32.8
Russian Federation	1009	44.4	2.5	3.6	5.2	3.1	0.7	16.9	3.4	20.1	50.5	44.4	2.3	17.8	47.1	41.1
Scotland	698	23.1	2.6	3.1	15.1	4.3	1.5	26.7	4.2	19.4	28.7	23.1	0.7	18.8	23.0	23.1
Singapore	1187	71.3	1.8	3.6	10.9	1.5	0.3	8.7	0.3	1.6	76.7	71.3	0.1	1.4	71.8	70.9
Slovak Republic	883	45.4	3.1	4.0	2.8	2.2	0.2	15.5	5.5	21.4	52.4	45.4	2.4	19.0	49.1	41.8
Slovenia	675	29.8	3.6	3.8	7.7	3.8	1.0	24.1	4.2	22.0	37.1	29.8	1.0	21.0	30.1	29.5
South Africa	1143	2.5	0.7	1.3	2.4	2.6	0.8	37.9	1.6	50.1	4.6	2.5	4.1	45.9	3.1	2.1
Spain	973	27.7	1.2	4.2	14.7	7.6	0.7	24.1	2.9	16.8	33.1	27.7	3.0	13.9	26.4	29.2
Sweden	981	33.6	0.3	2.1	18.7	4.7	1.4	18.6	7.4	13.3	36.0	33.6	2.4	10.9	35.7	32.0
Switzerland	1212	38.1	1.9	3.8	14.4	3.0	1.5	20.3	3.2	13.9	43.7	38.1	1.5	12.4	35.4	40.7
Thailand	1524	27.5	0.4	4.2	12.9	9.6	0.6	16.5	0.3	27.9	32.2	27.5	1.3	26.6	29.2	25.4
United States	1781	24.7	0.7	3.8	13.8	6.7	1.9	35.9	3.2	9.3	29.3	24.7	0.5	8.8	23.4	26.1
INTERNATIONAL AVG	.	31.3	1.5	3.3	10.9	4.1	1.1	24.0	3.0	20.7	36.0	31.3	2.9	17.8	30.7	31.9

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 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

Item: T01B
 Solve multi-step algebra word problem of simultaneous equations. (Algebra)
 Difficulty: 631

COUNTRY	N	10	11	12	19	70	71	79	90	99	V1	NOT	1. GIRL	2. BOY	
												REACH			% Right
												ED			
Australia	1819	6.9	9.1	14.4	3.1	5.3	20.5	17.9	1.8	21.0	33.5	9.8	11.2	34.4	32.6
Austria	679	22.2	6.8	10.0	0.5	7.0	34.9	8.8	3.9	6.0	39.4	2.4	3.6	36.7	42.5
Belgium (Fl)	724	16.0	11.0	27.5	1.1	1.7	26.9	6.4	0.8	8.6	55.6	2.7	5.9	57.0	54.3
Belgium (Fr)	633	0.0	0.0	0.0	40.5	0.0	0.0	43.3	0.0	16.3	40.5	9.0	7.3	41.3	39.7
Bulgaria	643	32.4	1.2	1.2	1.0	2.4	6.0	12.5	1.2	42.1	35.9	27.4	14.7	35.9	36.2
Canada	2108	9.0	8.5	12.7	3.1	4.0	33.1	15.4	2.4	11.8	33.3	4.1	7.7	37.4	29.9
Colombia	667	1.5	0.6	1.2	0.6	17.4	12.6	14.4	0.8	51.0	3.9	39.8	11.2	3.5	4.4
Cyprus	764	28.5	2.8	7.4	0.6	8.0	11.9	1.3	0.0	39.4	39.4	21.8	17.6	42.0	36.8
Czech Republic	850	47.9	1.4	3.8	0.2	3.2	11.7	13.6	6.9	11.3	53.3	8.3	3.0	53.8	52.7
Denmark	565	0.5	7.2	18.2	1.3	4.5	29.5	10.7	1.3	26.6	27.3	15.1	11.4	28.1	26.9
England	436	1.4	7.0	15.0	0.4	5.3	48.4	9.4	1.5	11.6	23.8	5.5	6.2	21.6	25.8
France	749	11.8	4.5	12.3	0.9	2.9	28.5	14.2	2.3	22.6	29.6	11.3	11.3	28.0	31.0
Germany	720	5.0	7.1	10.4	3.1	5.4	20.6	8.4	4.5	35.5	25.6	20.1	15.3	26.2	25.3
Greece	985	10.5	1.1	10.3	0.4	2.6	32.2	13.0	2.7	27.1	22.3	12.4	14.7	19.4	25.0
Hong Kong	827	45.5	1.5	6.6	0.3	0.9	19.7	11.1	1.1	13.2	53.9	5.0	8.2	50.5	56.9
Hungary	726	46.8	1.1	3.2	0.0	7.6	3.1	10.8	5.1	22.2	51.2	10.6	11.7	55.8	46.5
Iceland	459	13.3	5.2	10.7	0.4	2.8	34.6	11.7	4.2	17.3	29.5	6.8	10.5	31.4	27.7
Iran, Islamic Rep.	926	5.2	0.6	4.7	0.0	7.4	19.5	30.4	0.3	32.0	10.5	15.1	16.9	9.8	11.1
Ireland	765	9.0	5.2	25.4	1.0	2.1	32.5	11.4	2.0	11.4	40.7	4.7	6.7	35.7	45.6
Israel	375	34.1	10.7	1.1	0.2	2.5	19.7	7.8	0.8	23.0	46.2	16.8	6.2	42.5	48.7
Japan	1296	28.5	5.5	22.5	2.2	1.2	20.6	8.6	2.1	8.8	58.7	2.5	6.3	56.8	60.6
Korea	733	29.0	5.2	9.7	3.6	3.1	22.2	13.3	0.0	13.9	47.4	1.8	12.1	44.9	49.4
Kuwait	414	0.6	0.2	0.4	0.6	4.8	9.5	24.7	1.8	57.4	1.8	36.5	20.9	1.9	1.7
Latvia (LSS)	587	14.9	2.9	9.1	0.7	4.0	12.5	16.4	5.6	33.9	27.5	18.2	15.7	25.5	29.7
Lithuania	632	22.5	2.7	2.8	0.4	2.8	12.0	15.2	5.7	36.0	28.4	30.0	6.0	31.4	24.8
Netherlands	490	0.3	12.9	22.2	0.4	2.6	31.0	13.8	7.8	9.0	35.8	1.4	7.6	38.7	32.5
New Zealand	925	2.4	9.4	12.8	2.6	6.8	44.8	5.7	2.7	12.8	27.2	5.6	7.2	26.7	27.7
Norway	815	4.5	12.9	12.8	2.1	2.5	38.3	6.2	6.5	14.2	32.3	7.8	6.4	29.6	35.2
Philippines	1498	5.7	0.4	2.2	1.1	10.5	15.8	39.3	2.7	22.2	9.4	7.5	14.7	9.9	8.8
Portugal	855	2.1	1.7	4.4	0.2	9.4	26.9	13.5	3.8	38.0	8.4	15.0	23.0	7.3	9.4
Romania	929	22.4	1.1	14.8	2.0	0.7	7.1	17.6	0.2	34.1	40.3	23.0	11.1	44.0	36.6
Russian Federation	1009	42.6	0.4	4.9	0.0	1.0	10.5	16.5	2.5	21.7	47.8	15.3	6.3	50.5	44.6
Scotland	698	0.5	5.7	16.4	2.8	4.9	32.2	10.6	3.2	23.7	25.4	7.7	16.1	25.2	25.6
Singapore	1187	34.5	0.9	39.9	0.4	0.1	9.2	13.2	0.1	1.8	75.6	0.8	1.0	76.2	75.3
Slovak Republic	883	45.4	1.6	3.3	0.2	4.0	13.4	5.1	4.8	22.1	50.6	14.6	7.5	54.0	47.3
Slovenia	674	21.3	2.9	7.8	3.2	2.8	14.0	21.6	4.9	21.5	35.2	7.8	13.7	35.8	34.8
South Africa	1143	0.1	1.1	2.0	0.1	12.3	8.7	18.0	1.0	56.7	3.3	14.6	42.1	3.1	3.8
Spain	973	24.2	1.9	2.9	0.4	13.7	24.7	11.5	2.2	18.5	29.4	11.0	7.4	30.0	28.7
Sweden	981	5.2	14.0	12.3	2.2	5.1	30.6	9.9	7.3	13.4	33.7	6.8	6.6	35.4	32.5
Switzerland	1212	4.4	18.0	15.2	1.3	8.6	24.1	11.1	3.1	14.2	38.8	8.7	5.6	37.2	40.5
Thailand	1524	11.7	0.6	13.5	0.3	0.1	29.6	14.5	8.1	21.6	26.2	5.6	15.9	28.3	23.4
United States	1781	10.2	5.4	6.8	3.5	3.1	42.2	15.5	3.1	10.1	25.9	3.4	6.7	26.5	25.2
INTERNATIONAL AVG	.	16.2	4.8	10.3	2.1	4.7	22.0	14.1	2.9	22.8	33.4	11.8	11.0	33.6	33.3

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 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

Item: T02A
 Solve algebra word problem involving ratios. (Proportionality)
 Difficulty: 699

COUNTRY	N	10	70	71	72	73	79	90	99	V1	NOT	1.GIRL	2.BOY	
											REACH			ED	% Right	% Right
Australia	1819	24.6	4.9	5.2	24.4	3.9	14.5	2.5	20.1	24.6	10.3	9.8	27.2	21.8
Austria	679	30.9	4.7	5.0	28.9	1.5	12.9	4.1	12.0	30.9	2.4	9.6	31.2	30.5
Belgium (Fl)	724	24.4	5.9	5.5	25.9	3.1	20.4	0.2	14.6	24.4	3.6	11.0	26.2	22.5
Belgium (Fr)	633	18.4	0.0	0.0	0.0	0.0	53.0	0.0	28.5	18.4	9.0	19.5	18.4	18.5
Bulgaria	643	12.3	4.3	3.7	13.8	1.8	10.7	1.1	52.3	12.3	30.4	21.8	15.8	8.9
Canada	2108	26.6	7.6	5.0	30.5	3.5	14.3	2.0	10.5	26.6	4.3	6.2	29.6	23.5
Colombia	667	1.5	4.5	3.1	16.8	2.2	15.8	0.3	55.8	1.5	40.0	15.9	1.4	1.6
Cyprus	764	12.6	11.9	3.7	21.0	1.7	13.3	0.0	35.8	12.6	22.1	13.7	14.1	11.1
Czech Republic	850	17.6	13.7	4.0	16.2	1.1	6.7	3.2	37.5	17.6	8.6	28.9	17.2	18.0
Denmark	565	21.0	2.4	5.5	23.6	1.4	13.6	0.1	32.3	21.0	15.6	16.7	21.7	20.7
England	436	28.0	6.2	5.9	27.4	3.7	14.8	2.4	11.7	28.0	5.5	6.2	28.4	27.6
France	749	21.4	6.2	2.9	24.4	3.2	9.3	0.9	31.7	21.4	12.6	19.1	20.2	22.7
Germany	720	23.9	2.9	4.8	13.9	1.8	10.0	1.3	41.4	23.9	21.9	19.5	27.2	20.9
Greece	982	16.6	7.9	4.3	23.7	2.8	14.2	1.2	29.3	16.6	13.1	16.2	15.5	17.7
Hong Kong	828	31.1	10.8	2.1	15.7	6.5	22.9	1.0	9.9	31.1	5.0	4.9	29.2	32.7
Hungary	727	18.6	5.6	1.3	16.1	11.7	15.1	1.3	30.3	18.6	12.7	17.6	16.9	20.3
Iceland	458	22.0	8.1	5.2	25.4	2.3	15.5	5.1	16.4	22.0	6.8	9.6	23.8	20.2
Iran, Islamic Rep.	926	8.6	7.9	1.3	32.0	3.3	14.7	0.2	32.0	8.6	17.2	14.8	7.8	9.3
Ireland	765	32.4	5.6	6.6	25.1	3.7	13.5	2.0	11.0	32.4	4.7	6.3	34.8	30.1
Israel	374	18.0	9.4	1.8	21.8	2.2	6.8	1.0	39.1	18.0	17.7	21.4	16.6	19.9
Japan	1296	40.7	8.6	3.0	21.9	3.1	15.3	0.8	6.7	40.7	2.6	4.1	40.4	41.1
Korea	733	38.6	7.6	13.3	22.7	3.7	8.9	0.0	5.2	38.6	2.2	3.1	37.8	39.2
Kuwait	414	1.0	5.5	0.3	5.2	0.5	27.9	1.8	57.8	1.0	42.2	15.5	1.0	1.1
Latvia (LSS)	587	14.3	6.7	2.4	20.3	2.4	15.3	2.3	36.3	14.3	19.8	16.4	12.9	15.9
Lithuania	631	9.0	6.7	1.6	11.1	1.2	8.1	1.4	61.0	9.0	30.3	30.7	9.7	8.3
Netherlands	490	35.5	9.3	2.4	28.6	2.5	12.6	4.8	4.3	35.5	1.4	2.8	36.5	34.3
New Zealand	925	21.8	6.7	5.1	24.4	5.0	21.3	0.1	15.6	21.8	5.7	9.9	22.0	21.7
Norway	815	30.1	7.4	6.2	13.5	0.5	15.5	7.2	19.5	30.1	7.8	11.7	31.6	28.6
Philippines	1494	4.4	18.2	3.9	25.3	1.7	27.4	4.1	15.1	4.4	9.0	6.0	4.0	4.9
Portugal	855	10.1	7.4	2.0	29.2	5.1	15.0	0.7	30.5	10.1	17.1	13.3	9.1	10.9
Romania	926	18.1	3.0	2.5	17.6	2.2	8.6	0.3	47.7	18.1	26.4	21.3	19.3	16.7
Russian Federation	1009	34.9	2.5	5.4	11.1	0.6	4.8	0.2	40.5	34.9	16.1	24.4	32.3	37.9
Scotland	698	23.1	5.4	4.5	31.3	3.5	16.3	1.8	14.2	23.1	8.1	6.0	21.6	24.5
Singapore	1187	46.8	7.2	8.4	20.9	2.9	8.5	0.2	5.1	46.8	0.9	4.1	45.9	47.6
Slovak Republic	881	22.6	3.4	2.7	18.8	1.1	10.3	1.4	39.5	22.6	15.2	24.4	20.7	24.5
Slovenia	673	34.0	4.1	4.9	18.9	2.5	9.7	0.4	25.6	34.0	9.9	15.8	31.1	37.3
South Africa	1143	2.9	7.8	1.1	14.0	0.6	52.7	1.0	19.9	2.9	15.1	4.8	2.8	3.2
Spain	973	21.7	7.0	5.0	24.9	2.7	13.1	0.1	25.5	21.7	11.8	13.7	19.7	23.9
Sweden	979	43.3	1.7	3.5	22.1	1.2	10.4	3.9	13.8	43.3	6.8	7.0	46.2	41.2
Switzerland	1212	31.5	5.4	6.3	18.8	3.5	9.3	3.2	22.1	31.5	8.8	13.3	28.7	34.4
Thailand	1524	25.7	7.7	4.8	32.5	3.9	14.9	0.2	10.3	25.7	5.8	4.5	26.5	24.2
United States	1781	14.9	9.7	3.9	31.9	4.6	23.1	1.8	10.1	14.9	3.5	6.7	14.5	15.3
INTERNATIONAL AVG	.	22.3	6.7	4.0	21.2	2.8	15.7	1.6	25.7	22.3	12.6	13.1	22.3	22.3

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 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

Item: T02B
 Solve multi-step word problem computing fractions. (Proportionality)
 Difficulty: 815

COUNTRY	N	NOT REACH ED										V1	OMIT	1.GIRL % Right	2.BOY % Right	
		10	19	70	71	72	73	74	79	90	99					
Australia	1819	7.6	0.6	5.4	5.8	23.2	2.5	16.0	10.6	3.8	24.4	8.2	19.6	4.9	7.8	8.7
Austria	679	10.3	1.1	5.3	3.6	20.3	8.7	14.7	12.9	5.8	17.3	11.4	10.6	6.7	12.6	10.7
Belgium (Fl)	724	5.3	1.6	4.1	3.3	13.3	2.7	15.6	30.8	1.9	21.4	7.0	13.0	8.4	7.6	6.3
Belgium (Fr)	633	0.0	5.5	0.0	0.0	0.0	0.0	0.0	59.3	0.0	35.2	5.5	26.2	9.0	6.9	4.1
Bulgaria	643	6.4	0.4	4.1	0.2	1.7	0.6	25.9	2.8	0.5	57.3	6.9	51.4	5.9	8.6	5.2
Canada	2108	6.5	1.1	6.1	10.7	22.0	3.8	23.5	10.9	2.8	12.6	7.6	9.7	2.8	8.6	6.6
Colombia	667	1.8	0.0	2.4	2.4	6.8	0.5	18.3	9.6	0.5	57.7	1.8	53.0	4.6	1.0	2.8
Cyprus	764	4.7	0.0	4.0	3.0	23.5	4.9	5.1	9.2	0.3	45.3	4.7	33.6	11.8	4.4	5.1
Czech Republic	850	11.7	0.1	5.1	6.2	12.8	3.5	2.3	15.9	2.7	39.5	11.9	35.1	4.4	11.7	12.1
Denmark	565	8.4	1.3	3.4	5.5	16.2	6.3	7.5	10.3	0.2	40.9	9.7	30.7	10.2	8.2	11.0
England	436	9.7	1.3	3.9	5.6	28.5	3.1	20.6	9.6	2.5	15.2	11.0	10.7	4.5	12.6	9.5
France	749	4.9	1.4	3.2	5.4	17.1	4.0	11.4	15.3	0.7	36.6	6.3	30.3	6.3	6.4	6.5
Germany	721	7.0	0.1	3.4	6.2	10.8	3.6	10.1	7.6	1.4	49.9	7.1	40.2	9.7	7.5	6.7
Greece	982	4.1	1.2	2.8	4.8	22.3	3.3	4.1	18.3	2.3	36.8	5.3	26.9	9.9	5.7	4.9
Hong Kong	826	15.3	0.1	4.8	6.5	29.7	7.3	13.0	13.0	0.7	9.5	15.4	8.8	0.7	12.3	18.1
Hungary	727	9.6	0.3	4.0	1.7	28.1	1.8	12.2	7.5	1.0	33.9	9.9	28.0	5.9	8.5	11.3
Iceland	458	2.2	1.9	1.2	5.0	6.2	1.6	36.1	8.0	11.4	26.5	4.0	14.8	11.7	2.3	5.8
Iran, Islamic Rep.	926	1.8	0.1	9.3	3.4	7.4	3.8	3.5	32.2	0.3	38.4	1.8	29.2	9.2	1.7	2.0
Ireland	765	12.7	0.4	5.1	8.8	26.9	2.9	13.8	12.9	1.6	14.8	13.1	9.8	5.0	13.4	12.9
Israel	374	2.2	0.0	1.7	1.9	12.4	2.5	24.9	7.5	1.6	45.3	2.2	38.3	7.0	2.9	1.6
Japan	1296	16.7	0.5	5.2	6.0	31.5	4.1	4.6	21.6	0.9	8.8	17.2	5.5	3.3	15.9	18.6
Korea	733	14.0	0.2	5.6	22.1	21.0	14.1	1.5	14.9	0.0	6.5	14.2	4.5	2.1	14.6	13.9
Kuwait	414	0.1	0.0	6.8	0.8	7.2	0.2	1.3	19.6	3.3	60.6	0.1	56.0	4.6	0.3	.
Latvia (LSS)	587	10.3	0.9	1.3	1.3	24.0	0.6	11.2	7.9	1.7	40.9	11.2	35.2	5.7	11.0	11.4
Lithuania	631	2.0	0.1	0.9	1.3	2.8	0.7	24.1	3.0	1.1	64.0	2.1	59.6	4.4	2.4	1.7
Netherlands	490	13.2	0.2	3.8	8.2	28.2	3.8	14.8	18.3	4.0	5.6	13.4	4.0	1.6	15.2	11.8
New Zealand	925	7.6	0.8	5.1	5.8	24.4	2.8	27.6	6.7	0.5	18.8	8.4	13.9	4.8	7.2	9.5
Norway	815	6.0	2.1	3.3	11.8	14.3	6.3	6.8	18.5	9.8	21.2	8.0	16.1	5.1	7.1	9.1
Philippines	1481	3.4	0.2	14.0	4.9	18.8	2.3	11.3	19.4	2.8	22.8	3.6	13.9	8.9	2.8	4.7
Portugal	854	4.4	0.2	4.8	0.8	22.1	1.3	7.9	18.6	1.4	38.5	4.6	27.2	11.3	4.5	4.7
Romania	925	9.1	0.0	2.9	2.1	10.0	1.7	4.3	12.0	1.1	56.8	9.1	46.3	10.5	11.3	6.9
Russian Federation	1009	7.1	0.2	3.5	1.9	9.2	2.6	14.3	12.2	1.5	47.6	7.3	39.3	8.3	7.6	7.0
Scotland	698	8.8	1.0	4.0	4.0	28.6	1.9	22.0	11.1	1.5	17.0	9.7	12.5	4.6	8.0	11.3
Singapore	1187	20.3	0.6	5.5	10.2	26.9	5.8	9.0	14.6	0.1	7.0	20.9	4.8	2.2	21.3	20.7
Slovak Republic	879	4.9	1.0	1.7	2.2	10.4	1.6	26.9	5.2	1.8	44.3	5.9	37.7	6.6	4.8	6.9
Slovenia	671	8.4	0.6	2.4	4.3	11.5	4.5	13.6	17.3	1.3	36.1	8.9	23.7	12.5	7.9	10.2
South Africa	1143	2.9	0.2	4.9	1.2	11.7	1.5	21.2	29.7	2.9	23.9	3.0	18.6	5.3	2.8	3.5
Spain	973	5.3	1.8	2.9	3.9	14.7	2.4	18.4	16.7	0.6	33.3	7.1	24.2	9.1	4.8	9.6
Sweden	979	10.6	0.5	2.7	10.4	12.3	8.9	5.9	22.8	7.3	18.8	11.0	13.1	5.7	10.3	11.7
Switzerland	1212	12.6	1.0	3.2	5.7	15.6	9.0	7.7	14.1	5.0	26.0	13.6	20.7	5.3	11.3	15.9
Thailand	1524	4.0	1.7	7.5	20.5	26.1	5.0	9.1	11.2	0.5	14.4	5.7	9.4	5.0	6.3	4.8
United States	1781	5.4	0.3	4.1	6.0	33.3	3.6	20.6	12.9	2.2	11.6	5.6	8.9	2.7	6.0	5.3
INTERNATIONAL AVG	.	7.4	0.8	4.2	5.4	17.5	3.6	13.4	15.1	2.2	30.6	8.1	24.2	6.4	8.0	8.6

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 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

Item: U01A
 Estimate the time required to record 5 songs. (Fractions and number sense)
 Difficulty: 631

COUNTRY	N	10	11	70	71	72	73	79	90	99	V1	NOT	1. GIRL	2. BOY	
												REACH			% Right	% Right
												ED	OMIT		
Australia	1811	37.0	14.1	2.5	6.4	3.7	1.6	27.9	0.7	6.1	51.1	1.8	4.3	52.4	49.9
Austria	689	35.2	7.2	2.8	5.3	6.8	0.8	38.9	1.3	1.7	42.4	0.8	0.9	42.4	42.8
Belgium (Fl)	719	38.8	9.1	0.9	2.7	11.4	0.3	33.0	0.4	3.3	47.9	0.6	2.7	45.9	49.8
Belgium (Fr)	636	35.9	0.0	0.0	0.0	0.0	0.0	54.1	0.0	10.0	35.9	2.4	7.6	28.2	44.4
Bulgaria	479	14.0	4.9	2.1	4.1	15.1	0.0	36.3	0.9	22.6	18.9	11.2	11.4	17.6	20.4
Canada	2103	35.8	13.6	2.1	11.7	2.5	0.7	28.9	0.9	3.9	49.4	0.4	3.4	49.6	49.3
Colombia	669	3.0	1.1	1.0	0.9	6.8	0.1	40.4	1.2	45.3	4.2	16.4	28.9	2.1	6.6
Cyprus	752	11.3	2.4	1.2	3.2	0.3	0.0	53.0	0.9	27.7	13.7	8.3	19.4	13.9	13.6
Czech Republic	825	42.7	15.4	2.4	3.9	10.1	2.1	21.3	0.2	1.9	58.1	0.7	1.2	58.3	57.9
Denmark	579	14.0	4.3	1.2	3.3	13.2	0.9	50.5	0.3	12.3	18.3	2.7	9.5	17.2	19.4
England	442	40.5	16.2	2.5	5.5	4.6	1.9	25.7	0.7	2.5	56.6	0.5	2.0	53.4	59.6
France	755	16.9	3.6	0.6	2.7	19.4	0.5	45.7	0.4	10.1	20.5	1.3	8.8	21.0	20.5
Germany	705	30.5	10.8	1.8	4.3	10.4	0.6	32.9	0.2	8.5	41.3	2.3	6.3	38.1	45.0
Greece	994	19.2	7.3	1.1	3.7	7.8	0.7	37.0	1.5	21.7	26.6	2.3	19.4	22.2	30.9
Hong Kong	836	25.6	18.1	1.6	2.6	12.1	1.0	33.8	0.8	4.3	43.8	1.5	2.7	40.4	46.8
Hungary	710	24.5	10.1	2.6	3.5	5.6	1.1	45.1	0.5	7.0	34.6	2.1	4.8	34.5	34.7
Iceland	443	22.8	14.5	4.4	17.5	0.9	0.4	26.0	1.7	12.0	37.3	1.5	10.5	29.8	44.4
Iran, Islamic Rep.	919	5.5	0.7	3.7	0.7	22.7	0.3	50.6	0.1	15.5	6.2	3.4	12.1	7.5	5.2
Ireland	763	36.6	13.1	1.5	6.8	8.7	1.3	28.1	0.3	3.6	49.7	0.5	3.1	50.8	48.7
Israel	363	25.3	6.4	1.7	2.7	17.5	1.4	36.2	0.0	8.8	31.7	4.9	3.9	34.8	30.6
Japan	1274	52.2	25.5	2.6	4.6	0.5	1.9	11.1	0.3	1.3	77.6	0.3	1.0	77.1	78.2
Korea	734	40.2	17.9	0.9	8.1	10.1	1.0	16.6	0.0	5.3	58.1	0.7	4.7	52.7	62.6
Kuwait	386	3.6	1.5	1.7	2.1	6.2	0.3	44.2	1.9	38.5	5.0	6.8	31.7	2.4	7.8
Latvia (LSS)	595	10.7	5.7	2.1	12.5	17.1	0.1	31.3	1.2	19.2	16.4	4.0	15.2	12.9	19.6
Lithuania	661	9.1	3.4	0.1	2.1	17.8	0.4	39.0	1.2	26.8	12.5	7.2	19.6	11.7	13.4
Netherlands	502	38.1	9.0	1.2	4.6	12.2	1.7	32.2	0.6	0.3	47.1	0.0	0.3	40.6	53.0
New Zealand	920	31.6	17.3	3.1	6.0	3.5	1.8	32.9	0.3	3.5	48.8	0.6	2.9	49.9	48.0
Norway	825	24.5	20.1	2.4	14.7	1.3	0.8	24.3	1.8	10.0	44.6	1.0	9.0	41.0	48.6
Philippines	1494	15.6	2.4	3.0	1.9	6.8	0.2	44.0	3.7	22.3	18.0	4.3	18.0	20.3	15.1
Portugal	854	7.0	2.9	2.6	2.2	10.3	0.0	55.0	1.3	18.7	9.9	3.0	15.8	10.6	9.2
Romania	923	5.7	1.2	0.7	1.7	23.2	1.0	41.9	0.0	24.5	6.9	7.1	17.5	7.4	6.2
Russian Federation	1001	30.5	2.2	0.9	3.2	18.5	0.3	30.9	0.6	12.9	32.7	4.5	8.4	32.5	32.9
Scotland	724	35.5	15.0	2.1	5.2	4.0	0.6	32.2	0.3	4.9	50.5	1.0	3.9	45.1	55.6
Singapore	1158	38.9	30.9	1.6	4.5	3.2	1.3	17.0	0.1	2.4	69.9	0.4	2.0	70.0	69.9
Slovak Republic	873	39.1	4.9	2.3	5.8	7.1	1.0	30.3	0.2	9.3	43.9	2.0	7.3	38.4	49.1
Slovenia	686	25.3	3.4	1.4	4.3	14.0	0.1	43.4	0.9	7.1	28.7	0.4	6.6	28.4	29.2
South Africa	1142	3.7	1.6	1.4	1.8	2.4	0.7	57.5	1.3	29.5	5.3	10.9	18.6	2.8	7.9
Spain	977	16.2	4.5	1.0	3.1	14.3	0.8	40.5	0.2	19.3	20.7	2.7	16.6	18.6	23.1
Sweden	1022	44.6	13.6	1.4	17.0	2.2	1.4	14.4	1.1	4.3	58.2	0.8	3.5	53.3	63.2
Switzerland	1203	40.6	9.7	1.8	4.0	8.0	0.6	29.1	0.1	6.1	50.3	1.7	4.4	51.5	49.1
Thailand	1481	27.6	5.3	1.6	6.8	7.8	0.3	42.4	0.9	7.3	32.9	1.6	5.7	33.5	32.0
United States	1760	27.4	20.0	2.0	6.9	5.1	1.2	30.8	0.7	5.9	47.4	1.0	4.9	47.7	47.1
INTERNATIONAL AVG	.	25.8	9.3	1.8	5.1	8.9	0.8	35.4	0.8	12.1	35.1	3.0	9.1	33.5	36.7

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 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

Item: U01B
 Explain method of estimation. (Fractions and number sense)
 Difficulty: 639

COUNTRY	N											NOT	1.GIRL		2.BOY	
		10	11	12	13	19	70	71	79	90	99	V1	REACH	ED	OMIT	% Right	% Right
Australia	1811	8.0	1.8	24.0	4.0	4.3	4.3	3.2	35.2	2.1	13.1	42.1	3.3	9.8	44.7	39.5
Austria	689	9.4	1.2	13.1	1.2	16.1	1.0	0.7	46.7	2.2	8.5	41.0	1.2	7.3	43.2	39.3
Belgium (Fl)	719	12.4	1.7	13.4	2.2	17.8	3.5	2.6	38.3	0.4	7.7	47.5	1.7	6.0	45.3	49.5
Belgium (Fr)	636	0.0	0.0	0.0	0.0	21.2	0.0	0.0	60.8	0.0	18.0	21.2	5.8	12.2	18.2	24.8
Bulgaria	479	5.5	4.4	0.9	3.7	1.2	2.8	2.5	37.6	1.8	39.8	15.6	17.6	22.2	14.8	16.4
Canada	2103	7.6	2.7	21.3	2.6	8.3	6.2	5.9	35.7	1.5	8.2	42.5	2.1	6.1	46.1	39.2
Colombia	669	0.4	0.1	0.6	0.9	0.3	2.3	0.4	43.0	0.6	51.4	2.3	33.4	18.0	1.6	3.0
Cyprus	752	1.6	0.5	1.7	10.2	3.7	0.7	7.3	26.4	1.9	46.0	17.7	16.3	29.7	21.6	13.7
Czech Republic	825	1.4	0.0	13.8	4.4	33.5	0.4	1.8	35.3	1.4	8.0	53.1	1.3	6.7	54.2	51.9
Denmark	579	5.3	1.9	1.2	8.1	1.9	1.4	20.3	35.6	2.5	21.7	18.4	7.2	14.5	18.5	18.3
England	442	7.6	1.2	24.0	3.0	10.3	1.7	2.3	42.4	0.9	6.7	46.2	1.2	5.4	48.6	43.9
France	755	2.7	0.4	5.7	3.4	2.1	1.2	2.6	64.3	0.6	17.2	14.2	2.9	14.3	15.7	13.2
Germany	705	5.4	0.5	20.7	0.6	3.8	2.2	0.5	41.4	2.3	22.5	31.0	4.0	18.6	31.3	31.0
Greece	994	3.6	0.8	11.0	6.7	1.5	3.9	1.6	40.7	2.0	28.1	23.7	10.5	17.5	22.5	25.0
Hong Kong	835	5.5	0.4	17.8	1.5	2.3	0.8	0.2	56.4	2.3	12.8	27.5	2.3	10.5	24.6	30.0
Hungary	710	6.1	1.1	14.8	2.1	3.1	2.8	3.1	39.7	2.5	24.6	27.2	6.1	18.5	29.0	25.6
Iceland	443	14.7	0.4	5.4	5.3	2.2	5.5	15.3	20.1	9.8	21.3	28.1	5.7	15.6	25.0	31.1
Iran, Islamic Rep.	919	1.0	0.0	5.9	4.4	0.0	0.9	0.9	39.1	1.5	46.2	11.3	7.9	38.3	11.3	11.4
Ireland	763	5.6	2.0	15.6	11.5	6.3	2.0	7.7	41.7	0.9	6.8	41.0	1.7	5.1	41.3	40.6
Israel	363	2.9	1.2	18.0	7.2	1.0	5.9	1.9	44.6	0.0	17.3	30.3	7.5	9.8	30.1	31.9
Japan	1274	9.4	4.2	12.1	16.8	16.8	0.9	3.1	30.2	1.6	4.8	59.3	0.4	4.4	60.2	58.5
Korea	734	19.3	3.5	5.1	22.0	6.2	5.0	4.1	25.9	0.0	9.0	56.1	3.7	5.2	50.6	60.8
Kuwait	386	3.3	1.3	0.8	1.9	0.6	1.8	2.3	42.1	1.9	44.1	7.9	18.6	25.5	6.0	9.8
Latvia (LSS)	595	2.2	0.9	3.4	11.4	1.1	5.2	11.0	25.6	1.7	37.5	19.0	8.2	29.3	13.1	24.8
Lithuania	660	0.4	0.0	2.6	3.5	0.4	0.0	0.0	49.4	2.9	40.8	6.9	15.1	25.6	6.6	7.3
Netherlands	502	5.0	2.4	23.8	1.6	10.2	0.9	1.8	46.4	0.9	7.0	42.9	0.0	7.0	41.3	43.8
New Zealand	920	6.7	2.5	40.0	2.8	4.5	1.4	3.2	29.3	0.4	9.2	56.6	1.8	7.4	59.4	54.1
Norway	825	15.6	3.1	19.6	1.8	7.6	7.1	7.7	20.7	2.6	14.1	47.7	3.0	11.2	47.6	47.9
Philippines	1494	7.0	2.4	2.7	3.5	1.5	4.8	1.1	45.1	2.5	29.3	17.1	12.9	16.5	19.5	14.2
Portugal	854	2.0	0.8	4.1	4.2	2.1	2.2	7.0	45.6	3.0	29.1	13.1	8.0	21.1	12.1	14.0
Romania	923	0.9	0.2	1.2	5.9	2.2	0.8	1.4	43.1	0.1	44.1	10.5	15.3	28.8	11.0	9.9
Russian Federation	1001	1.2	0.0	9.9	6.7	4.4	2.3	1.8	42.6	1.5	29.6	22.3	9.1	20.5	23.1	21.2
Scotland	724	8.1	0.9	26.5	2.5	5.8	3.8	2.0	36.7	0.9	12.6	43.9	2.8	9.9	41.2	46.4
Singapore	1158	22.3	1.8	26.7	17.4	3.1	1.9	3.5	18.1	0.1	5.1	71.2	1.3	3.8	71.8	70.8
Slovak Republic	874	9.3	0.1	3.0	24.9	6.7	0.6	5.8	26.3	0.6	22.6	44.0	6.0	16.6	40.6	47.3
Slovenia	686	3.4	1.2	11.5	7.5	8.2	1.6	8.5	41.3	0.9	16.0	31.8	3.0	13.0	30.7	33.0
South Africa	1142	0.9	0.8	3.0	0.5	0.7	0.6	0.7	27.8	0.9	64.1	5.8	23.0	41.1	3.9	8.0
Spain	977	3.1	0.6	9.3	9.2	4.5	1.6	4.3	40.0	0.1	27.3	26.6	9.3	18.1	24.0	29.5
Sweden	1022	12.0	4.7	6.5	4.8	8.1	3.7	14.4	31.2	4.2	10.4	36.1	2.2	8.1	38.6	33.8
Switzerland	1203	8.4	1.3	26.1	2.1	11.0	2.5	0.8	35.1	1.7	11.1	48.9	3.4	7.7	51.1	46.6
Thailand	1481	0.6	0.2	5.3	4.6	9.3	0.9	8.5	54.5	2.9	13.4	19.9	4.2	9.2	22.4	15.9
United States	1760	15.6	1.7	18.0	6.7	3.3	6.0	1.4	35.5	1.4	10.5	45.2	3.6	6.8	46.3	44.1
INTERNATIONAL AVG	.	6.3	1.4	11.7	5.8	6.2	2.5	4.2	38.5	1.7	21.8	31.3	7.0	14.8	31.2	31.4

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 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

Item: U02A
 Draw new rectangle based length/width ratios of another rectangle. (Measurement)
 Difficulty: 621

COUNTRY	N	20	10	11	70	71	72	73	74	79	90	99	V1	V2	NOT	OMIT	1.GIRL	2.BOY	
															REACH		% Right	% Right	
															ED				
Australia	1811	31.3	0.4	9.4	3.7	3.6	4.1	11.1	8.5	16.6	0.9	10.5	41.0	31.3	5.2	5.4	32.4	30.1	
Austria	690	51.2	1.4	9.7	1.3	1.0	6.5	9.5	5.9	7.4	0.7	5.5	62.3	51.2	2.4	3.1	53.1	49.4	
Belgium (Fl)	719	47.7	2.3	1.0	14.0	1.0	4.1	11.0	4.5	5.7	0.5	8.1	51.1	47.7	3.8	4.3	46.5	48.8	
Belgium (Fr)	636	43.1	7.7	0.0	0.0	0.0	0.0	0.0	0.0	34.5	0.0	14.8	50.8	43.1	7.8	6.9	43.0	43.6	
Bulgaria	479	27.0	7.0	5.2	8.6	1.1	3.2	3.9	0.8	6.4	2.3	34.4	39.2	27.0	26.3	8.2	28.4	26.0	
Canada	2103	27.3	1.3	11.1	1.3	3.7	5.3	15.3	6.9	19.9	1.1	6.9	39.6	27.3	2.8	4.1	29.6	25.7	
Colombia	669	5.1	3.1	0.5	0.7	6.4	3.3	13.3	0.8	15.8	2.0	49.1	8.7	5.1	37.4	11.7	4.0	6.1	
Cyprus	752	34.9	0.1	5.9	0.4	2.2	1.6	13.1	1.5	14.3	0.9	25.1	40.9	34.9	20.3	4.8	38.3	31.4	
Czech Republic	824	36.5	4.9	16.6	0.4	0.2	2.4	8.9	7.2	9.4	0.9	12.5	58.0	36.5	3.2	9.3	38.5	34.4	
Denmark	579	23.5	1.0	13.2	0.1	3.2	8.9	4.5	9.7	13.2	0.1	22.5	37.8	23.5	8.9	13.6	23.1	24.0	
England	442	28.0	0.2	9.6	9.0	3.0	4.7	15.6	5.4	17.1	2.2	5.1	37.8	28.0	1.8	3.3	23.8	31.9	
France	755	42.8	0.8	7.9	0.3	2.4	6.8	14.0	8.5	7.9	0.1	8.5	51.5	42.8	4.0	4.5	47.1	38.8	
Germany	707	33.7	3.3	8.2	1.5	0.6	13.2	10.1	2.7	9.5	1.8	15.3	45.3	33.7	8.0	7.3	33.6	34.6	
Greece	994	23.4	1.7	6.4	0.8	11.3	1.2	10.4	3.4	15.6	2.6	23.3	31.5	23.4	12.9	10.3	22.4	24.4	
Hong Kong	834	45.9	2.8	6.4	2.9	0.5	3.2	8.7	11.0	9.5	0.4	8.7	55.1	45.9	4.5	4.2	42.3	49.1	
Hungary	710	43.3	2.7	1.4	3.5	1.1	10.1	4.3	1.7	13.2	1.5	17.1	47.4	43.3	12.1	5.0	41.8	44.6	
Iceland	443	18.0	0.8	2.5	5.6	4.7	2.6	5.9	7.8	32.9	1.3	18.0	21.3	18.0	8.3	9.7	19.6	16.4	
Iran, Islamic Rep.	919	23.6	3.3	3.1	1.0	13.3	3.1	7.7	2.8	23.2	0.4	18.4	29.9	23.6	11.8	6.7	16.6	28.9	
Ireland	763	34.8	3.5	9.7	5.5	5.0	4.2	10.9	6.5	12.8	1.9	5.2	48.0	34.8	2.7	2.6	36.7	32.9	
Israel	363	47.8	0.9	0.5	5.4	0.3	5.3	7.9	0.2	9.8	2.3	19.7	49.2	47.8	11.5	8.3	47.9	49.4	
Japan
Korea	734	53.9	4.2	1.7	0.3	0.5	1.8	0.8	1.9	22.1	0.0	12.9	59.8	53.9	4.7	8.2	51.6	55.8	
Kuwait	387	10.1	1.3	6.2	2.9	1.7	9.2	4.9	0.4	31.5	1.2	30.5	17.6	10.1	19.9	10.6	9.4	10.8	
Latvia (LSS)	595	31.2	3.9	3.8	4.8	3.2	0.4	20.9	3.1	11.4	1.1	16.2	38.9	31.2	10.4	5.8	30.4	31.8	
Lithuania	661	24.2	2.2	4.4	1.7	1.7	0.0	3.6	12.7	16.4	2.7	30.4	30.8	24.2	19.9	10.5	26.0	22.2	
Netherlands	502	40.3	0.4	7.2	3.0	1.5	2.1	8.7	17.1	14.1	1.7	4.0	47.9	40.3	0.4	3.6	42.1	37.3	
New Zealand	920	26.5	0.5	9.0	6.3	4.4	6.4	13.9	8.2	17.9	1.2	5.7	36.0	26.5	2.4	3.3	24.0	28.7	
Norway	825	31.7	0.5	7.1	6.1	3.6	8.6	13.3	4.4	14.3	2.8	7.7	39.2	31.7	3.9	3.7	32.4	30.9	
Philippines	1493	6.8	4.3	1.7	1.3	0.6	1.5	9.0	1.3	22.8	3.8	46.9	12.9	6.8	19.3	27.6	7.9	5.4	
Portugal	854	22.2	2.6	5.6	1.7	6.9	7.5	13.2	4.6	16.6	1.2	18.0	30.3	22.2	10.3	7.6	20.4	23.7	
Romania	922	27.7	2.3	8.3	3.6	0.5	1.9	8.1	1.5	17.0	0.1	29.0	38.3	27.7	21.0	8.0	29.2	25.9	
Russian Federation	1001	38.7	3.6	13.9	0.3	3.9	0.3	2.3	5.5	6.6	0.3	24.6	56.2	38.7	15.0	9.6	41.3	35.2	
Scotland	724	26.6	0.6	7.7	1.4	2.4	5.1	12.3	7.2	24.7	1.6	10.3	34.9	26.6	3.8	6.5	24.9	28.2	
Singapore
Slovak Republic	874	34.7	1.0	14.9	0.2	0.8	2.3	8.8	6.6	10.8	0.8	19.1	50.7	34.7	10.2	8.9	36.0	33.5	
Slovenia	686	37.0	5.5	7.5	1.2	1.4	8.8	11.6	2.5	13.1	1.0	10.5	49.9	37.0	5.6	4.9	36.0	38.2	
South Africa	1142	3.5	0.7	0.5	0.4	0.6	1.9	3.1	0.3	29.4	1.3	58.3	4.7	3.5	41.7	16.6	2.7	4.6	
Spain	977	27.7	2.0	7.3	3.5	7.6	3.8	14.1	1.5	14.5	0.6	17.4	37.0	27.7	11.3	6.1	25.2	30.5	
Sweden	1023	30.0	0.7	3.9	17.0	8.1	1.2	11.0	5.1	11.8	2.7	8.6	34.5	30.0	3.7	4.9	28.0	31.9	
Switzerland	1208	46.7	1.2	6.8	3.4	1.0	6.0	14.3	5.0	6.1	1.0	8.5	54.7	46.7	4.3	4.2	48.1	45.3	
Thailand	1481	19.7	0.7	2.4	8.0	0.9	11.8	16.3	5.5	20.0	0.4	14.3	22.8	19.7	6.1	8.2	20.0	19.5	
United States	1760	16.0	1.0	8.8	1.8	3.4	10.6	14.6	6.7	26.8	0.5	9.7	25.8	16.0	4.6	5.1	15.8	16.2	
INTERNATIONAL AVG	.	30.6	2.2	6.4	3.4	3.0	4.6	9.8	4.9	16.1	1.2	17.8	39.2	30.6	10.4	7.4	30.5	30.7	

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 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

Item: U02B
 Calculate ratio of rectangle areas given relationship between sides. (Measurement)
 Difficulty: 737

COUNTRY	N	20	21	10	11	12	13	14	70	79	90	99	V1	V2	NOT	OMIT	1.GIRL % Right	2.BOY % Right	
															REACH ED				
Australia	1811	12.5	2.4	6.5	1.5	1.2	3.5	1.5	14.3	24.5	3.8	28.2	29.2	14.9	10.0	18.2	14.7	15.2	
Austria	690	7.4	1.0	15.7	4.4	0.3	2.0	0.0	11.1	33.2	3.6	21.3	30.8	8.4	4.8	16.5	6.9	10.1	
Belgium (Fl)	719	7.7	1.0	4.8	13.2	3.6	4.9	2.8	6.9	37.3	1.2	16.7	37.9	8.7	7.9	8.8	8.3	9.1	
Belgium (Fr)	636	4.9	0.0	16.4	0.0	0.0	0.0	0.0	0.0	49.3	0.0	29.4	21.3	4.9	14.2	15.2	5.3	4.6	
Bulgaria	479	6.1	3.9	13.7	5.6	0.9	0.6	0.0	1.3	16.1	2.3	49.5	30.9	10.0	33.1	16.4	10.1	10.0	
Canada	2103	13.5	3.8	5.3	4.3	2.5	4.9	0.8	8.1	32.8	2.7	21.3	35.1	17.3	6.3	15.0	18.0	16.9	
Colombia	669	0.3	0.1	0.0	0.5	0.5	0.7	0.2	7.6	28.3	0.6	61.1	2.4	0.4	45.3	15.8	.	0.8	
Cyprus	751	19.1	1.1	2.6	1.8	0.1	1.6	1.4	2.5	15.9	1.1	52.7	27.8	20.2	24.3	28.5	24.4	15.8	
Czech Republic	824	12.3	0.5	18.8	3.8	0.5	1.0	0.0	4.6	29.8	3.2	25.6	36.8	12.8	11.7	14.0	8.9	16.8	
Denmark	579	3.2	2.1	1.4	6.0	7.7	2.6	2.0	9.3	10.0	2.2	53.4	25.1	5.4	22.1	31.3	3.6	7.2	
England	442	9.1	3.2	3.9	2.3	2.0	4.5	1.1	3.4	34.1	6.3	30.2	26.0	12.3	4.9	25.3	11.1	13.4	
France	755	4.2	1.4	0.8	15.2	2.1	1.6	1.5	2.6	33.2	1.6	36.0	26.7	5.5	8.4	27.6	5.9	5.2	
Germany	707	2.4	1.4	1.3	4.8	1.2	0.8	0.1	13.5	32.9	1.9	39.5	12.2	3.9	14.9	24.6	4.1	3.7	
Greece	991	10.7	1.3	1.3	2.6	0.1	2.0	0.6	2.8	26.8	3.8	48.2	18.5	12.0	21.8	26.5	12.0	12.1	
Hong Kong	829	21.9	3.5	12.7	0.9	1.2	6.6	0.9	6.6	20.9	1.7	23.1	47.7	25.4	7.9	15.2	23.8	26.8	
Hungary	709	6.8	1.9	4.1	5.0	1.4	1.9	3.2	6.5	34.0	2.3	33.1	24.2	8.7	16.4	16.6	8.3	9.1	
Iceland	443	1.2	3.7	0.2	3.5	9.3	6.4	10.2	3.1	18.5	7.7	36.3	34.5	4.9	17.0	19.3	4.9	4.8	
Iran, Islamic Rep.	917	7.5	0.2	0.3	2.1	0.7	0.4	0.7	0.6	56.2	0.7	30.6	11.9	7.6	17.0	13.6	7.4	7.9	
Ireland	763	15.4	4.9	10.1	1.0	0.6	3.2	1.0	9.1	31.6	2.3	20.7	36.3	20.3	4.6	16.1	20.1	20.6	
Israel	363	7.0	0.2	4.8	5.0	6.7	1.6	0.3	2.0	27.6	1.1	43.7	25.6	7.2	18.9	24.8	4.6	10.5	
Japan
Korea	734	37.9	0.7	10.7	1.3	0.3	0.9	1.4	3.6	24.1	0.0	19.3	53.1	38.6	11.8	7.4	36.9	40.0	
Kuwait	387	6.0	0.2	0.9	5.3	0.0	1.8	1.4	2.2	33.9	4.2	43.9	15.7	6.2	27.8	16.1	4.7	7.7	
Latvia (LSS)	595	5.2	1.2	2.1	5.9	0.8	1.0	0.5	3.6	16.4	1.9	61.3	16.8	6.5	16.0	45.3	4.3	8.8	
Lithuania	661	3.6	2.6	5.9	2.4	0.4	3.5	0.5	6.8	9.3	1.6	63.5	18.9	6.1	29.9	33.5	5.8	6.5	
Netherlands	502	7.3	0.8	3.0	14.5	3.1	2.9	1.3	1.4	32.6	11.5	21.7	32.9	8.1	3.6	18.1	6.8	9.1	
New Zealand	920	7.1	1.3	1.5	3.0	4.2	4.7	1.7	8.3	31.1	0.5	36.6	23.5	8.5	5.7	31.0	8.1	8.8	
Norway	825	0.1	2.3	0.4	4.9	18.3	3.7	7.1	3.8	26.8	7.0	25.6	36.8	2.4	7.4	18.2	1.5	3.3	
Philippines	1480	3.2	0.6	3.2	1.8	0.0	0.4	1.0	6.7	39.9	4.0	39.2	10.2	3.8	29.6	9.6	4.4	3.1	
Portugal	854	1.7	0.2	1.7	3.5	1.7	1.9	0.5	3.6	35.4	4.9	44.8	11.3	1.9	17.4	27.4	1.6	2.2	
Romania	918	14.6	0.6	7.1	1.0	0.2	1.5	3.2	1.2	19.9	0.2	50.3	28.3	15.2	27.2	23.1	14.2	16.1	
Russian Federation	1001	17.0	0.4	9.1	2.7	1.2	1.4	0.0	1.1	18.3	1.9	47.0	31.8	17.5	22.7	24.3	18.2	16.4	
Scotland	724	9.0	2.6	3.0	2.2	0.7	0.9	0.5	4.0	35.2	5.0	37.0	18.9	11.6	9.4	27.6	8.1	14.8	
Singapore
Slovak Republic	873	14.7	0.6	7.2	0.9	0.0	0.6	0.0	10.8	18.0	1.7	45.5	24.0	15.3	18.7	26.8	14.2	16.4	
Slovenia	683	8.6	1.5	13.5	4.7	1.0	2.4	1.5	7.7	22.3	3.6	33.1	33.3	10.1	10.0	23.2	9.9	10.4	
South Africa	1142	0.2	0.0	0.0	0.8	1.5	0.0	0.2	1.4	26.1	0.7	69.2	2.6	0.2	47.8	21.3	.	0.4	
Spain	977	1.7	0.0	0.4	6.4	2.3	1.8	0.8	11.7	30.6	0.3	44.1	13.3	1.7	17.0	27.2	0.8	2.7	
Sweden	1022	8.8	2.0	2.1	8.5	2.0	13.7	2.2	6.2	14.7	10.3	29.6	39.3	10.8	8.1	21.4	10.1	11.6	
Switzerland	1208	5.7	1.8	1.8	9.0	6.3	2.0	1.8	5.0	43.5	2.0	21.0	28.4	7.5	8.3	12.7	5.5	9.5	
Thailand	1481	7.1	4.9	2.7	0.4	0.2	9.5	0.2	6.9	34.8	0.9	32.4	24.9	12.0	13.1	19.3	13.3	9.8	
United States	1760	6.7	3.2	3.5	1.3	0.5	3.7	0.6	12.8	40.0	2.9	24.8	19.5	9.9	8.7	16.1	8.1	11.9	
INTERNATIONAL AVG	.	8.5	1.6	5.1	4.1	2.2	2.7	1.4	5.6	28.6	2.9	37.3	25.6	10.1	16.3	21.0	10.0	10.8	

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 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

Item: V01
 Determine actual weight from rounded value. (Fractions and number sense)
 Difficulty: 546

COUNTRY	N	NOT REACHED											OMIT	1.GIRL % Right	2.BOY % Right		
		10	11	12	13	70	71	72	73	79	90	99				V1	
Australia	1785	57.6	3.1	15.0	4.9	1.0	2.0	4.3	0.0	5.4	1.1	5.5	80.6	0.6	4.9	81.8	79.5
Austria	705	38.0	0.5	2.2	22.5	1.2	2.5	13.8	0.1	13.8	2.1	3.1	63.3	0.3	2.9	62.3	64.0
Belgium (Fl)	721	52.2	0.5	9.5	2.8	3.0	2.0	13.8	0.5	13.7	0.1	1.9	64.9	0.0	1.9	65.3	64.6
Belgium (Fr)	650	30.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	64.5	0.0	5.1	30.4	1.0	4.1	19.3	40.3
Bulgaria	465	30.1	4.8	4.9	3.7	2.1	2.3	25.5	0.3	11.1	0.6	14.6	43.5	1.8	12.9	42.2	45.0
Canada	2061	44.0	4.8	9.8	8.9	1.5	6.6	5.1	0.5	12.5	0.6	5.8	67.4	0.1	5.6	68.5	67.0
Colombia	660	3.8	1.4	0.5	0.4	1.0	14.2	6.0	0.2	41.3	0.4	30.9	6.0	10.9	20.0	5.6	6.2
Cyprus	680	13.0	1.0	2.1	0.5	1.2	14.2	11.8	0.0	30.5	1.4	24.3	16.7	0.3	24.0	17.2	15.8
Czech Republic	817	42.2	0.7	8.7	28.4	0.9	1.7	1.6	0.3	10.0	0.5	5.1	80.0	0.8	4.2	80.0	80.0
Denmark	581	34.4	1.7	6.1	28.6	0.2	3.9	5.4	0.0	6.7	0.1	12.8	70.8	2.2	10.5	68.1	73.7
England	448	54.0	1.4	11.1	5.9	1.5	5.6	4.8	0.0	10.3	1.3	4.1	72.4	0.0	4.1	71.1	73.7
France	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Germany	708	43.5	0.2	4.1	6.9	2.4	4.8	12.0	1.0	7.8	0.6	16.7	54.7	1.3	15.4	48.5	61.4
Greece	1000	48.2	0.4	6.3	1.3	1.5	7.7	5.7	0.8	17.0	0.6	10.5	56.2	0.4	10.1	56.1	56.3
Hong Kong	837	35.6	8.4	9.0	2.6	1.1	8.5	10.3	0.1	15.8	0.9	7.6	55.7	0.4	7.3	53.3	57.7
Hungary	693	48.8	0.3	4.4	12.9	0.7	1.3	10.7	0.0	8.9	0.3	11.6	66.5	1.0	10.6	65.0	67.9
Iceland	430	38.1	1.4	2.4	17.0	1.3	3.1	21.2	0.0	10.4	0.5	4.5	58.9	0.7	3.8	57.5	60.1
Iran, Islamic Rep.	906	0.8	3.6	0.6	1.4	3.0	2.3	13.3	0.1	37.9	0.8	36.2	6.4	0.4	35.7	7.6	5.5
Ireland	765	50.3	1.3	11.6	4.8	1.6	4.4	5.1	0.5	15.8	0.2	4.4	68.0	0.0	4.4	65.9	70.0
Israel	342	41.8	0.8	7.7	12.8	1.4	2.8	1.1	0.0	12.9	0.4	18.5	63.0	2.3	16.2	56.5	74.0
Japan	1280	47.1	3.1	23.1	2.6	2.2	1.7	4.9	0.1	7.8	1.1	6.2	75.8	0.0	6.2	71.9	79.3
Korea	720	76.4	0.6	4.4	3.6	1.5	0.5	0.4	0.0	8.9	0.0	3.6	85.0	0.0	3.6	80.6	88.8
Kuwait	392	3.1	3.6	1.3	1.9	0.8	6.5	21.5	2.4	30.1	1.6	27.1	9.9	1.3	25.8	9.3	10.5
Latvia (LSS)	605	30.0	2.3	3.2	13.2	2.4	4.1	17.6	0.0	12.6	1.1	13.4	48.7	2.2	11.2	48.1	49.2
Lithuania	640	20.0	2.2	15.2	9.5	1.7	1.2	0.6	0.8	21.8	0.5	26.5	46.9	4.3	22.2	45.9	48.2
Netherlands	494	37.9	1.8	13.8	7.5	2.8	2.5	9.1	0.0	20.0	0.8	3.8	61.0	0.0	3.8	53.0	68.3
New Zealand	928	54.4	3.4	10.9	5.3	3.0	3.0	9.0	0.2	7.9	0.3	2.8	73.9	0.2	2.5	69.5	77.8
Norway	815	52.3	0.4	18.9	5.8	1.7	4.5	4.5	0.6	5.6	0.9	4.8	77.4	0.2	4.6	77.0	77.8
Philippines	1510	15.1	8.7	0.9	1.5	2.7	6.8	19.3	0.9	30.5	1.0	12.6	26.2	2.6	10.0	25.8	26.7
Portugal	845	24.4	2.4	5.1	1.3	1.2	4.4	6.7	2.5	30.1	0.8	21.3	33.1	1.5	19.8	28.9	37.3
Romania	928	19.7	0.8	3.1	1.8	1.4	7.2	8.6	0.4	32.5	0.4	24.0	25.5	4.2	19.8	23.7	27.7
Russian Federation	989	9.7	0.5	1.5	46.9	1.2	1.5	4.2	0.6	15.4	0.5	17.8	58.7	2.5	15.3	59.3	57.8
Scotland	724	53.3	1.8	13.5	5.1	1.8	4.7	3.3	0.3	10.6	0.6	5.0	73.7	0.0	5.0	72.4	75.1
Singapore	1154	76.1	0.5	9.2	3.7	0.4	1.7	2.4	0.1	4.7	0.0	1.2	89.5	0.3	0.8	89.3	89.8
Slovak Republic	872	27.5	1.4	2.2	20.4	0.8	2.0	10.2	0.6	23.3	0.5	11.0	51.5	0.4	10.7	50.5	52.6
Slovenia	677	21.4	5.3	3.8	7.3	2.5	2.2	17.9	0.3	22.2	2.2	15.0	37.7	0.3	14.6	35.7	39.7
South Africa	1122	4.7	8.5	1.2	1.3	1.5	3.2	27.3	0.5	31.3	0.5	20.1	15.7	3.6	16.5	12.6	19.0
Spain	949	17.3	1.9	4.1	4.4	1.6	9.7	5.0	0.7	36.7	0.3	18.3	27.7	1.5	16.8	27.9	27.5
Sweden	977	70.1	0.4	15.6	2.1	1.2	2.2	1.2	0.1	4.9	0.5	1.9	88.2	0.5	1.3	87.7	88.6
Switzerland	1212	43.5	0.3	6.6	8.4	1.9	3.0	16.8	0.7	9.7	1.2	7.9	58.8	0.6	7.3	56.0	61.5
Thailand	1431	21.2	5.1	1.5	11.9	1.8	11.4	16.1	0.2	23.3	0.3	7.0	39.8	0.3	6.7	39.7	40.0
United States	1758	48.2	3.9	10.8	2.9	1.5	5.8	7.6	0.3	13.6	0.8	4.6	65.7	0.2	4.4	65.8	65.7
INTERNATIONAL AVG	.	36.1	2.3	7.0	8.2	1.6	4.4	9.4	0.4	18.3	0.7	11.7	53.6	1.3	10.4	51.8	55.4

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 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

Item: V02
 Solve word problem: determine cheaper rental rate by unit comparison. (Data Rep., Analysis & Prob.)
 Difficulty: 675

COUNTRY	N	30	39	20	21	10	11	12	16	19	70	71	79	90	99	V1	V2	V3	NOT	OMIT	1.GIRL	2.BOY
																			REACH		% Right	% Right
Australia	1785	21.6	0.2	6.2	0.5	9.3	5.8	6.7	0.5	0.1	13.2	10.0	4.1	2.3	19.4	51.0	28.5	21.8	0.9	18.5	24.5	19.3
Austria	705	24.4	0.2	4.9	0.9	5.0	11.7	7.8	0.4	0.0	7.5	20.1	2.1	2.7	12.4	55.2	30.4	24.6	0.3	12.1	23.9	24.8
Belgium (Fl)	721	22.6	0.6	7.6	0.4	10.2	5.1	3.7	0.4	0.8	17.2	11.9	6.0	0.6	12.9	51.4	31.2	23.2	0.0	12.9	25.2	21.2
Belgium (Fr)	650	0.0	20.4	10.0	0.0	0.0	0.0	0.0	0.0	19.3	0.0	0.0	20.7	0.0	29.7	49.7	30.3	20.4	1.6	28.1	18.1	22.4
Bulgaria	465	6.2	0.0	3.7	0.4	8.0	13.8	7.0	0.4	1.1	10.7	15.7	4.7	0.6	27.8	40.4	10.3	6.2	3.3	24.5	6.8	5.5
Canada	2061	24.2	0.2	7.9	1.2	8.1	7.7	7.3	0.6	0.0	10.4	12.3	2.0	3.2	15.0	57.2	33.5	24.3	0.5	14.5	24.7	24.5
Colombia	660	1.4	0.0	1.3	0.1	2.1	10.4	1.1	0.5	0.1	2.1	29.7	6.2	1.2	43.7	17.0	2.9	1.4	14.3	29.4	0.9	2.1
Cyprus	680	7.8	0.0	4.0	0.4	3.0	13.5	3.5	0.6	0.0	3.7	21.9	0.8	2.0	38.7	32.9	12.2	7.8	1.5	37.2	7.6	8.2
Czech Republic	817	27.3	0.3	5.6	1.1	5.1	15.2	3.9	0.8	0.5	6.6	11.6	3.2	1.7	17.2	59.7	34.2	27.5	1.5	15.7	27.7	27.4
Denmark	581	22.0	0.0	7.1	0.9	5.0	8.4	2.9	0.7	0.2	7.2	7.5	1.4	0.5	36.1	47.3	30.0	22.0	3.6	32.5	18.5	25.5
England	448	19.7	0.0	4.7	0.9	10.4	8.6	3.7	1.1	0.0	15.9	13.6	2.0	5.0	14.3	49.2	25.3	19.7	0.2	14.1	18.0	21.4
France	745	25.8	0.1	7.4	1.4	5.1	7.8	3.5	0.5	0.3	10.3	10.4	3.0	2.0	22.5	51.8	34.7	25.9	0.7	21.8	27.0	24.7
Germany	710	12.7	1.4	5.7	1.1	2.7	10.1	3.8	0.5	0.4	6.0	13.3	2.3	3.4	36.6	38.3	20.9	14.1	2.4	34.2	14.8	13.7
Greece	1000	12.2	0.7	3.9	0.3	8.6	10.1	3.0	1.1	0.1	14.2	15.5	0.9	2.3	27.0	40.1	17.1	12.9	0.9	26.1	13.4	12.3
Hong Kong	838	36.5	0.2	5.0	2.1	4.2	3.5	10.8	0.0	0.0	6.9	6.3	1.9	4.3	18.3	62.3	43.8	36.7	0.5	17.9	31.7	41.0
Hungary	693	20.3	0.0	4.9	0.8	3.0	6.1	10.2	0.0	0.4	12.5	15.4	2.9	1.8	21.7	45.8	26.1	20.3	1.8	19.9	18.5	22.1
Iceland	430	14.9	0.4	5.0	0.0	6.3	7.7	6.4	0.6	0.5	10.0	9.9	3.9	6.9	27.5	41.8	20.3	15.3	0.9	26.6	16.4	14.5
Iran, Islamic Rep.	906	0.7	0.1	1.9	0.2	7.5	16.1	1.4	1.0	0.1	8.1	25.1	7.4	2.9	27.4	29.1	3.0	0.9	1.0	26.4	1.3	0.5
Ireland	765	25.3	0.1	8.1	2.0	5.2	6.1	12.6	1.3	0.0	10.3	11.4	2.9	3.0	11.6	60.8	35.4	25.4	0.3	11.3	22.5	28.0
Israel	342	14.2	0.6	6.1	0.9	3.0	13.3	5.1	0.3	0.0	16.4	13.2	1.3	0.0	25.8	43.4	21.8	14.8	4.8	20.9	12.0	19.4
Japan	1280	45.0	1.9	5.0	0.9	5.6	5.7	6.5	0.5	0.1	7.0	10.0	0.8	1.3	9.5	71.3	52.9	47.0	0.0	9.5	43.8	49.8
Korea	720	48.7	1.3	5.6	1.2	4.7	3.3	5.2	0.8	0.2	12.0	6.5	3.0	0.0	7.5	71.0	56.8	50.0	0.5	7.0	42.1	56.8
Kuwait	392	3.6	0.0	1.9	5.4	5.0	8.6	4.0	0.0	1.2	7.7	13.9	5.5	2.4	40.8	29.7	10.9	3.6	2.9	37.9	4.1	3.1
Latvia (LSS)	605	9.0	0.3	1.9	0.3	3.7	9.7	2.2	0.3	0.3	7.6	16.6	1.0	3.0	44.1	27.7	11.6	9.4	3.5	40.6	8.2	10.5
Lithuania	641	5.7	1.1	2.8	0.3	3.4	8.7	4.0	0.0	0.2	4.3	15.5	2.3	2.5	49.2	26.1	9.8	6.8	7.5	41.7	6.0	7.9
Netherlands	494	24.4	0.0	7.0	1.9	4.0	10.1	7.0	1.2	0.0	13.4	19.1	0.8	2.4	8.6	55.6	33.3	24.4	0.0	8.6	20.1	28.0
New Zealand	928	21.6	0.1	5.1	1.3	6.4	7.4	7.3	0.5	0.0	11.4	14.4	2.0	1.4	21.2	49.7	28.1	21.7	0.4	20.8	23.3	20.2
Norway	815	22.6	0.2	5.1	1.1	7.0	8.8	5.0	1.2	0.0	14.1	10.9	1.4	7.1	15.5	51.0	29.0	22.8	0.9	14.5	19.3	26.3
Philippines	1510	3.1	0.0	5.6	0.3	2.5	10.7	2.1	4.2	0.2	14.6	12.8	8.8	3.2	31.7	28.9	9.1	3.1	3.0	28.7	2.8	3.5
Portugal	845	7.1	0.4	3.7	0.8	5.9	9.0	4.5	0.4	0.1	9.8	14.7	4.5	3.0	36.1	32.0	12.1	7.6	3.0	33.1	6.6	8.6
Romania	928	11.8	0.0	2.6	0.8	3.8	9.6	2.3	0.7	0.5	7.9	12.7	2.4	0.4	44.4	32.2	15.3	11.8	7.3	37.1	10.9	13.0
Russian Federation	989	14.4	0.1	3.8	3.7	3.6	8.6	4.7	1.4	1.8	3.9	7.7	2.4	3.1	40.8	42.2	22.0	14.5	4.3	36.5	13.9	15.2
Scotland	724	17.8	2.3	6.9	1.3	7.8	6.5	4.8	0.5	0.2	15.6	12.8	2.0	3.7	17.8	48.2	28.3	20.1	0.6	17.2	20.1	20.2
Singapore	1154	55.2	0.0	10.8	1.9	2.2	2.2	12.7	0.0	0.0	5.1	2.8	0.7	0.1	6.3	85.1	68.0	55.2	0.3	5.9	56.3	54.2
Slovak Republic	872	14.3	0.3	5.1	0.4	1.6	12.4	3.7	0.8	0.6	6.8	26.2	1.5	1.4	24.9	39.2	20.0	14.5	1.3	23.6	14.9	14.1
Slovenia	677	18.2	2.0	5.1	1.5	4.4	7.9	5.6	0.0	0.1	8.7	12.1	2.5	1.9	30.2	44.7	26.7	20.1	0.7	29.5	18.8	21.6
South Africa	1122	2.2	0.1	0.5	0.0	3.1	13.2	1.5	0.5	0.1	4.0	10.7	10.5	1.6	51.8	21.3	2.8	2.3	4.1	47.7	2.0	2.7
Spain	949	14.3	0.8	3.6	0.1	10.3	9.1	2.4	3.4	0.2	21.4	13.0	4.1	0.2	17.2	44.1	18.9	15.1	2.0	15.2	15.7	14.4
Sweden	978	22.9	0.4	5.9	0.9	5.9	9.2	5.3	1.6	2.1	10.8	10.3	4.4	5.8	14.4	54.2	30.1	23.3	0.9	13.5	23.9	22.7
Switzerland	1212	24.9	0.7	4.2	1.0	4.5	12.6	4.3	0.4	0.5	7.6	16.6	2.5	2.5	17.9	52.9	30.7	25.6	1.3	16.6	22.1	28.9
Thailand	1431	21.1	0.1	5.3	0.9	7.1	1.8	10.2	0.1	0.0	9.3	14.1	2.2	4.7	23.0	46.8	27.5	21.3	1.1	21.9	22.5	19.2
United States	1758	18.1	0.0	9.3	0.8	5.3	11.0	7.9	1.6	0.1	7.2	20.1	2.8	2.0	13.9	54.0	28.2	18.1	0.8	13.1	20.1	16.3
INTERNATIONAL AVG	.	18.2	0.9	5.2	1.0	5.2	8.7	5.2	0.7	0.8	9.5	13.5	3.5	2.4	25.1	46.0	25.3	19.1	2.1	23.0	18.4	19.9

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 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

Item: V03 KEY: D
 Determine ratio of red paint in a mixture. (Proportionality)
 Difficulty: 603

COUNTRY	N	A	B	C	D	OTHER INCOR RECT	DIFF	INVALID	NOT REACHED	OMIT	1. GIRL % Right	2. BOY % Right
Australia	1785	7.0	6.5	42.8	41.9	1.9	41.9	0.0	1.4	0.5	45.3	38.7
Austria	705	5.2	6.9	64.8	21.4	1.7	21.4	0.0	0.3	1.5	20.7	22.3
Belgium (Fl)	721	3.9	4.5	43.0	48.2	0.5	48.2	0.0	0.1	0.3	49.5	46.9
Belgium (Fr)	650	5.0	6.4	36.8	48.5	3.2	48.5	0.0	2.4	0.8	49.4	48.9
Bulgaria	465	6.1	10.5	39.3	36.6	7.5	36.6	0.0	5.2	2.4	36.1	37.1
Canada	2061	4.8	5.6	33.0	55.6	1.0	55.6	0.0	0.7	0.3	60.1	51.6
Colombia	660	13.8	12.4	37.9	14.6	21.3	14.6	1.7	18.1	1.5	16.7	12.6
Cyprus	680	9.6	15.5	38.2	34.2	2.5	34.2	0.1	1.7	0.6	35.4	33.6
Czech Republic	814	5.9	5.0	56.8	28.9	3.4	28.9	0.0	2.4	1.0	27.7	30.2
Denmark	581	8.9	11.7	41.5	31.5	6.5	31.5	0.0	4.2	2.3	27.5	35.4
England	448	7.2	10.9	42.3	38.8	0.8	38.8	0.0	0.2	0.6	38.2	39.4
France	745	5.8	5.3	35.8	50.9	2.1	50.9	0.0	1.0	1.1	52.8	48.0
Germany	714	7.4	7.2	54.8	25.8	4.9	25.8	0.0	3.0	1.9	25.8	25.5
Greece	1000	11.0	8.5	27.9	50.4	2.2	50.4	0.0	1.6	0.6	52.3	48.8
Hong Kong	839	3.2	3.7	22.4	69.9	0.9	69.9	0.0	0.6	0.3	69.8	70.0
Hungary	692	7.1	6.4	45.3	36.1	5.0	36.1	0.0	2.9	2.2	37.3	35.1
Iceland	430	8.2	8.2	32.1	48.6	2.8	48.6	0.0	1.7	1.2	53.9	44.2
Iran, Islamic Rep.	906	17.1	12.0	37.9	31.0	2.0	31.0	0.3	1.0	0.7	28.8	32.7
Ireland	765	5.7	5.9	45.1	42.5	0.8	42.5	0.3	0.3	0.2	44.9	40.2
Israel	342	5.5	5.8	43.4	39.2	6.1	39.2	0.3	4.8	1.0	36.0	45.6
Japan	1280	4.3	2.7	26.8	65.9	0.2	65.9	0.1	0.0	0.2	64.1	67.6
Korea	720	1.7	2.3	9.0	86.9	0.0	86.9	0.0	0.0	0.0	87.6	86.3
Kuwait	392	25.4	12.5	41.9	14.1	6.1	14.1	0.0	3.2	2.9	17.1	11.0
Latvia (LSS)	598	13.3	4.8	48.4	26.8	6.6	26.8	0.0	5.2	1.4	28.8	24.9
Lithuania	641	7.2	5.3	61.8	13.9	11.8	13.9	0.0	9.1	2.7	14.2	13.6
Netherlands	494	5.9	4.4	23.7	65.3	0.7	65.3	0.0	0.2	0.4	58.0	72.0
New Zealand	928	6.3	6.8	39.3	46.9	0.7	46.9	0.0	0.4	0.2	50.1	44.1
Norway	815	8.1	14.9	36.6	36.6	3.8	36.6	0.0	1.3	2.4	39.3	34.0
Philippines	1504	16.0	10.7	45.9	23.2	4.3	23.2	0.1	3.6	0.5	24.8	21.3
Portugal	845	8.6	10.4	55.8	20.7	4.5	20.7	0.1	3.9	0.5	20.8	20.6
Romania	926	9.6	8.4	28.6	39.3	14.2	39.3	0.8	9.3	4.1	41.1	37.0
Russian Federation	989	5.9	5.9	42.0	38.6	7.6	38.6	0.0	5.4	2.2	43.0	32.9
Scotland	724	9.6	9.0	42.1	37.8	1.5	37.8	0.1	0.8	0.6	40.3	35.4
Singapore	1154	0.3	1.0	3.7	94.7	0.4	94.7	0.0	0.4	0.0	96.9	92.5
Slovak Republic	872	7.5	6.4	51.3	31.7	3.1	31.7	0.2	1.9	1.0	32.2	31.0
Slovenia	677	5.7	10.9	42.2	38.9	2.4	38.9	0.0	1.1	1.2	43.2	34.2
South Africa	1122	20.7	21.9	35.3	16.3	5.7	16.3	0.4	4.3	0.9	17.0	15.9
Spain	949	6.4	8.1	48.1	34.1	3.3	34.1	0.0	2.6	0.7	36.1	31.9
Sweden	978	5.7	6.3	22.9	63.7	1.5	63.7	0.2	1.0	0.2	65.6	61.7
Switzerland	1211	7.4	6.8	42.4	41.8	1.7	41.8	0.1	1.4	0.2	42.7	40.9
Thailand	1431	5.8	2.2	34.9	55.2	1.9	55.2	0.1	1.3	0.5	56.6	53.5
United States	1758	6.6	7.5	31.5	53.4	1.0	53.4	0.0	0.8	0.1	58.3	49.0
INTERNATIONAL AVG	.	8.0	7.8	38.9	41.4	3.8	41.4	0.1	2.6	1.1	42.5	40.4

DIFF = Item Difficulty
 Because of missing gender information, some totals may appear inconsistent

Item: V04
 Calculate area of parallelogram inscribed in a rectangle. (Measurement)
 Difficulty: 610

COUNTRY	N	10	70	71	72	73	74	79	90	99	V1	NOT	1. GIRL	2. BOY	
												REACH			% Right
												ED			
Australia	1785	46.4	0.8	5.8	3.0	5.3	0.4	30.1	1.5	6.8	46.4	1.6	5.2	43.1	49.6
Austria	705	52.0	0.0	4.4	1.7	4.1	0.0	30.4	2.5	4.8	52.0	0.3	4.6	48.9	54.6
Belgium (Fl)	721	45.3	0.5	4.6	2.7	4.5	0.9	37.0	0.4	4.0	45.3	0.1	3.9	41.6	48.7
Belgium (Fr)	650	40.3	0.0	0.0	0.0	0.0	0.0	40.9	0.0	18.8	40.3	2.4	16.4	36.9	43.9
Bulgaria	465	48.0	1.2	2.6	1.5	3.4	0.1	20.7	1.9	20.7	48.0	5.9	14.8	50.8	44.9
Canada	2061	42.8	1.0	5.7	1.9	7.7	0.4	34.8	0.8	4.9	42.8	0.7	4.1	44.5	41.4
Colombia	660	10.4	6.5	1.5	0.3	2.0	0.4	42.3	0.0	36.6	10.4	19.3	17.4	12.4	8.1
Cyprus	680	40.6	0.7	3.2	1.4	7.4	0.7	24.5	2.0	19.5	40.6	1.7	17.8	45.1	36.6
Czech Republic	814	45.8	0.1	3.8	1.8	3.4	0.3	26.3	3.9	14.6	45.8	2.7	11.9	44.4	47.2
Denmark	581	39.0	0.7	3.5	2.6	4.2	0.3	32.3	0.1	17.2	39.0	4.8	12.5	39.1	39.3
England	448	42.6	0.9	7.4	3.1	2.4	0.5	37.3	1.5	4.3	42.6	0.2	4.1	44.2	41.0
France	745	43.9	0.5	5.4	3.2	2.8	0.6	29.6	1.9	12.0	43.9	1.3	10.7	44.6	42.4
Germany	709	38.7	1.0	4.7	2.4	5.7	0.5	28.6	0.3	18.2	38.7	3.3	14.9	33.5	44.2
Greece	999	32.7	1.5	2.6	1.5	4.2	0.4	34.3	4.1	18.6	32.7	1.7	17.0	33.5	31.9
Hong Kong	835	70.3	0.3	4.9	0.7	2.3	0.1	17.0	0.2	4.1	70.3	0.6	3.5	64.4	75.3
Hungary	693	44.3	0.2	2.1	0.7	5.5	0.1	27.5	1.5	18.1	44.3	3.5	14.5	40.5	47.9
Iceland	430	42.3	1.3	4.2	4.2	12.4	0.7	28.0	1.2	5.7	42.3	2.8	2.9	41.6	43.0
Iran, Islamic Rep.	906	25.1	1.0	1.7	0.8	7.9	1.4	46.5	0.5	15.3	25.1	1.5	13.8	22.5	27.0
Ireland	765	39.0	0.3	11.3	3.4	4.0	1.4	34.7	1.1	4.7	39.0	0.3	4.4	35.8	42.0
Israel	342	36.8	0.6	4.9	1.6	2.0	0.6	30.7	1.5	21.3	36.8	5.5	15.8	32.8	42.4
Japan	1280	75.8	0.2	4.2	1.0	1.7	0.3	14.7	0.4	1.7	75.8	0.1	1.6	74.2	77.1
Korea	720	68.7	0.4	2.6	0.5	1.3	0.5	22.1	0.0	3.7	68.7	1.9	1.8	63.7	73.1
Kuwait	392	6.8	3.4	1.5	2.2	4.1	1.4	51.4	3.2	26.0	6.8	4.9	21.1	5.5	8.1
Latvia (LSS)	605	28.9	0.4	2.4	2.7	5.5	0.7	34.4	4.7	20.3	28.9	5.9	14.4	28.6	29.0
Lithuania	641	31.8	0.4	2.5	1.7	5.4	1.2	32.1	0.1	24.9	31.8	9.9	15.0	32.3	31.1
Netherlands	494	38.8	0.0	4.5	2.3	24.5	0.4	26.5	1.3	1.6	38.8	0.4	1.2	32.8	44.9
New Zealand	928	38.3	1.3	5.8	4.7	4.2	0.7	39.4	0.4	5.2	38.3	0.4	4.8	36.6	39.9
Norway	815	38.6	1.2	3.8	3.0	7.9	1.0	29.7	4.2	10.6	38.6	1.8	8.8	37.2	40.0
Philippines	1504	9.2	10.8	2.9	3.1	4.3	3.5	49.1	2.0	15.1	9.2	3.9	11.2	9.3	9.0
Portugal	845	19.2	1.6	2.3	1.9	3.5	0.5	45.0	2.0	23.9	19.2	4.3	19.6	18.2	20.1
Romania	928	33.1	0.8	1.6	1.0	4.9	0.3	28.2	0.9	29.2	33.1	11.1	18.1	33.6	32.5
Russian Federation	989	41.0	0.2	4.0	1.5	5.3	0.2	29.2	0.9	17.8	41.0	5.7	12.1	44.3	36.7
Scotland	724	40.3	0.3	8.7	3.1	4.0	0.9	36.3	0.5	5.8	40.3	0.8	5.0	38.4	42.3
Singapore	1154	80.9	0.0	5.6	0.9	1.5	0.0	9.2	0.1	1.7	80.9	0.4	1.3	80.1	81.7
Slovak Republic	872	52.3	0.1	1.8	1.3	4.8	0.2	20.5	2.1	16.9	52.3	2.2	14.7	50.9	53.7
Slovenia	672	45.4	0.7	2.7	1.6	5.5	0.3	27.2	2.2	14.3	45.4	1.5	12.8	41.4	49.8
South Africa	1122	5.0	14.7	0.8	0.8	0.9	1.0	58.7	0.9	17.1	5.0	4.7	12.4	1.3	8.7
Spain	949	25.4	2.5	4.0	1.0	5.0	0.7	39.2	0.2	22.0	25.4	3.1	18.8	23.6	27.4
Sweden	978	45.2	0.3	4.9	4.3	10.0	0.2	25.5	3.2	6.5	45.2	1.2	5.2	42.7	47.9
Switzerland	1211	50.7	0.5	4.6	1.9	3.7	1.3	29.1	1.1	7.0	50.7	1.4	5.6	48.8	52.6
Thailand	1431	43.2	0.8	3.0	2.9	4.7	0.7	39.0	0.6	5.0	43.2	1.3	3.6	42.9	44.0
United States	1758	27.4	2.3	4.4	3.7	4.8	0.8	49.2	1.1	6.3	27.4	1.0	5.3	27.0	27.7
INTERNATIONAL AVG	.	39.8	1.5	3.9	2.0	5.0	0.6	32.6	1.4	13.2	39.8	3.1	10.1	38.4	41.2

V1 = % Scoring 1 or better V2 = % Scoring 2 or better V3 = % Scoring 3 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