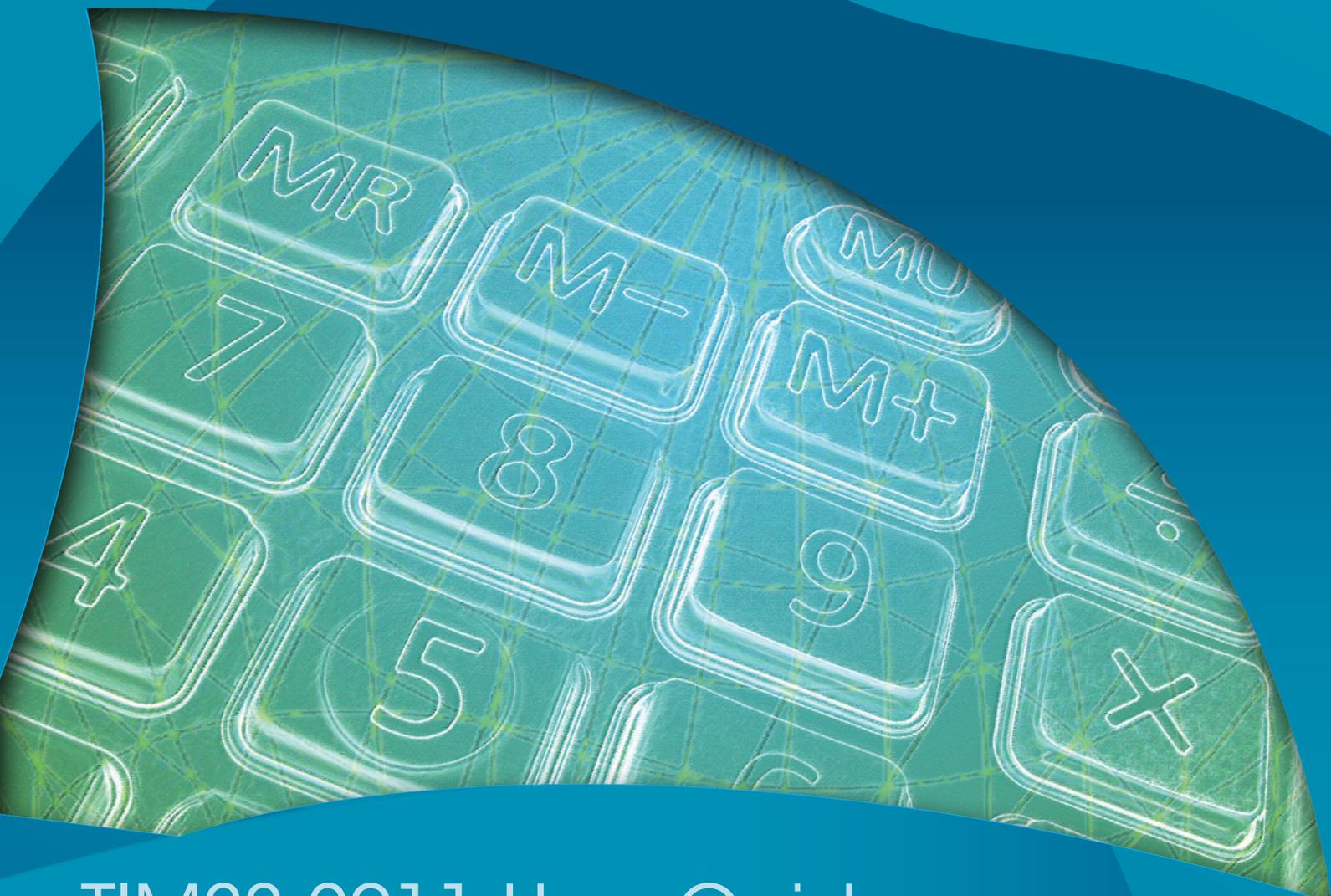


TRENDS IN INTERNATIONAL MATHEMATICS AND SCIENCE STUDY

TIMSS



TIMSS & PIRLS
International Study Center
Lynch School of Education, Boston College



TIMSS 2011 User Guide for the International Database

Percent Correct Statistics for the Released Items

Mathematics – Eighth Grade

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TIMSS 2011 User Guide for the International Database

Edited by Pierre Foy, Alka Arora, and Gabrielle M. Stanco

Publishers: TIMSS & PIRLS International Study Center,

Lynch School of Education, Boston College

and

International Association for the Evaluation of Educational Achievement (IEA)

Library of Congress Catalog Card Number: 2013930046

ISBN-13: 978-1-889938-13-4

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Printed and bound in the United States.

M01_01 (M032166): Best estimate of (7.21x3.86)/10.09
Multiple Choice (Key is B)

Country	Percent Correct
Singapore	92 (1.1) ▲
Hong Kong SAR	90 (1.2) ▲
United States	80 (1.2) ▲
Russian Federation	79 (1.7) ▲
Finland	78 (1.9) ▲
Lithuania	77 (2.2) ▲
Japan	77 (1.7) ▲
Chinese Taipei	73 (1.8) ▲
Sweden	71 (1.7) ▲
Norway	71 (2.4) ▲
Korea, Rep. of	70 (1.9) ▲
Slovenia	69 (2.5) ▲
Ukraine	66 (2.7) ▲
Italy	66 (2.2) ▲
Australia	66 (2.5) ▲
England	65 (2.9) ▲
Hungary	64 (2.1) ▲
Israel	61 (2.0) ▲
Romania	58 (2.4)
International Avg.	57 (0.3)
New Zealand	56 (2.2)
Malaysia	54 (1.8)
Macedonia, Rep. of	53 (2.5)
United Arab Emirates	52 (1.3) ▼
Armenia	52 (2.7)
Georgia	50 (2.7) ▼
Thailand	49 (2.2) ▼
Saudi Arabia	49 (2.6) ▼
Turkey	47 (2.1) ▼
Qatar	47 (2.5) ▼
Kazakhstan	46 (2.7) ▼
Lebanon	46 (2.6) ▼
Tunisia	45 (2.0) ▼
Bahrain	43 (2.1) ▼
Chile	43 (2.3) ▼
Palestinian Nat'l Auth.	42 (2.1) ▼
Iran, Islamic Rep. of	39 (2.0) ▼
Jordan	37 (2.1) ▼
Indonesia	36 (2.2) ▼
Oman	34 (1.5) ▼
Morocco	30 (1.4) ▼
Syrian Arab Republic	26 (2.2) ▼
Ghana	26 (1.8) ▼
Ninth Grade Participants	
Botswana	48 (1.9) ▼
South Africa	33 (1.2) ▼
Honduras	29 (2.0) ▼
Benchmarking Participants	
Minnesota, US	89 (1.8) ▲
Connecticut, US	87 (2.2) ▲
North Carolina, US	86 (2.5) ▲
Massachusetts, US	85 (2.7) ▲
Indiana, US	85 (2.7) ▲
Quebec, Canada	82 (1.7) ▲
Florida, US	81 (3.0) ▲
Colorado, US	80 (2.8) ▲
Alberta, Canada	79 (1.9) ▲
California, US	76 (2.9) ▲
Ontario, Canada	71 (2.4) ▲
Alabama, US	70 (3.2) ▲
Dubai, UAE	59 (2.0)
Abu Dhabi, UAE	48 (2.4) ▼

- ▲ Percent significantly higher than international average
- ▼ Percent significantly lower than international average

() Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

SOURCE: IEA's Progress in International Reading Literacy Study - PIRLS 2011

M01_02 (M032721): Sales of two types of soft drink
Multiple Choice (Key is B)

Country	Percent Correct
Korea, Rep. of	68 (1.6) ▲
Singapore	60 (1.5) ▲
Chinese Taipei	58 (1.8) ▲
Japan	57 (2.0) ▲
Australia	48 (2.3) ▲
Finland	48 (2.2) ▲
Hong Kong SAR	48 (2.3) ▲
Israel	46 (2.0) ▲
England	46 (2.2) ▲
Hungary	45 (2.1) ▲
Italy	45 (2.3) ▲
Sweden	44 (2.3) ▲
Turkey	43 (1.8) ▲
Slovenia	43 (2.8)
Russian Federation	42 (2.5)
New Zealand	42 (1.6)
Norway	40 (2.5)
International Avg.	40 (0.3)
Lithuania	39 (2.1)
Ukraine	38 (2.5)
United Arab Emirates	38 (1.1)
United States	38 (1.4)
Chile	37 (2.2)
Qatar	36 (2.7)
Thailand	35 (1.9) ▼
Macedonia, Rep. of	35 (2.5)
Malaysia	35 (1.8) ▼
Tunisia	35 (2.0) ▼
Kazakhstan	34 (2.6) ▼
Oman	34 (1.3) ▼
Morocco	34 (1.8) ▼
Georgia	33 (2.5) ▼
Lebanon	33 (2.2) ▼
Bahrain	33 (2.0) ▼
Indonesia	33 (2.1) ▼
Syrian Arab Republic	32 (1.9) ▼
Saudi Arabia	32 (2.2) ▼
Palestinian Nat'l Auth.	32 (2.2) ▼
Iran, Islamic Rep. of	32 (1.7) ▼
Ghana	30 (1.6) ▼
Romania	29 (2.0) ▼
Jordan	29 (1.7) ▼
Armenia	24 (2.0) ▼
Ninth Grade Participants	
Botswana	31 (1.7) ▼
South Africa	27 (1.3) ▼
Honduras	24 (2.0) ▼
Benchmarking Participants	
Massachusetts, US	55 (3.2) ▲
Quebec, Canada	51 (2.1) ▲
North Carolina, US	50 (3.4) ▲
Florida, US	47 (2.8) ▲
Ontario, Canada	45 (1.8) ▲
Minnesota, US	44 (3.3)
Alberta, Canada	43 (2.6)
Dubai, UAE	42 (1.9)
Indiana, US	39 (2.7)
Colorado, US	38 (3.1)
Connecticut, US	38 (2.9)
California, US	35 (2.9)
Abu Dhabi, UAE	33 (2.2) ▼
Alabama, US	33 (3.5) ▼

- ▲ Percent significantly higher than international average
- ▼ Percent significantly lower than international average

() Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

SOURCE: IEA's Progress in International Reading Literacy Study – PIRLS 2011

M01_03 (M032757): Red&BlackTiles_Complete table
Constructed Response (2 Points)

Country	Percent Full Credit	Percent at Least 1 Point
Korea, Rep. of	90 (1.3) ▲	92 (1.1) ▲
Japan	86 (1.7) ▲	90 (1.3) ▲
Singapore	86 (1.4) ▲	88 (1.3) ▲
Chinese Taipei	85 (1.4) ▲	87 (1.4) ▲
Hong Kong SAR	79 (2.0) ▲	81 (1.9) ▲
Russian Federation	67 (2.0) ▲	73 (1.8) ▲
Hungary	66 (2.1) ▲	70 (2.1) ▲
Italy	64 (2.0) ▲	72 (1.7) ▲
Israel	63 (2.0) ▲	69 (2.1) ▲
England	63 (3.4) ▲	68 (3.2) ▲
Slovenia	61 (2.6) ▲	68 (2.6) ▲
Finland	60 (2.4) ▲	69 (2.5) ▲
Australia	59 (2.1) ▲	65 (2.3) ▲
New Zealand	58 (1.8) ▲	65 (2.0) ▲
Lebanon	57 (2.7) ▲	60 (2.7) ▲
Lithuania	57 (1.8) ▲	64 (2.0) ▲
United Arab Emirates	57 (1.3) ▲	62 (1.4) ▲
United States	57 (1.5) ▲	63 (1.5) ▲
Kazakhstan	54 (2.8) ▲	60 (2.9) ▲
International Avg.	54 (0.3)	60 (0.3)
Malaysia	54 (2.4) ▲	60 (2.5) ▲
Turkey	52 (1.7) ▲	58 (1.7) ▲
Sweden	51 (2.3) ▲	58 (2.3) ▲
Iran, Islamic Rep. of	50 (1.9) ▲	60 (2.1) ▲
Ukraine	50 (2.7) ▲	57 (2.5) ▲
Bahrain	50 (2.8) ▲	55 (2.6) ▲
Qatar	48 (2.7) ▼	54 (1.9) ▼
Tunisia	48 (1.7) ▼	56 (1.7) ▼
Chile	46 (1.6) ▼	57 (1.7) ▼
Thailand	45 (2.1) ▼	52 (2.3) ▼
Saudi Arabia	45 (2.3) ▼	49 (2.2) ▼
Palestinian Nat'l Auth.	45 (2.6) ▼	52 (2.7) ▼
Jordan	44 (1.8) ▼	51 (1.9) ▼
Norway	42 (2.4) ▼	49 (2.3) ▼
Romania	41 (2.1) ▼	46 (2.1) ▼
Indonesia	40 (2.7) ▼	50 (2.9) ▼
Georgia	40 (2.2) ▼	46 (2.4) ▼
Morocco	39 (1.5) ▼	48 (1.6) ▼
Oman	37 (1.6) ▼	43 (1.7) ▼
Armenia	37 (2.3) ▼	43 (2.3) ▼
Macedonia, Rep. of	35 (2.6) ▼	43 (2.9) ▼
Ghana	31 (2.0) ▼	37 (2.0) ▼
Syrian Arab Republic	29 (2.3) ▼	34 (2.3) ▼
Ninth Grade Participants		
Botswana	45 (1.8) ▼	55 (1.9) ▼
South Africa	33 (1.4) ▼	39 (1.5) ▼
Honduras	31 (2.3) ▼	38 (2.3) ▼
Benchmarking Participants		
Massachusetts, US	78 (3.3) ▲	81 (3.0) ▲
Minnesota, US	69 (3.2) ▲	73 (2.9) ▲
Ontario, Canada	69 (2.1) ▲	75 (2.0) ▲
Colorado, US	69 (2.3) ▲	74 (2.6) ▲
North Carolina, US	68 (3.5) ▲	71 (3.5) ▲
Quebec, Canada	66 (2.2) ▲	70 (2.1) ▲
Alberta, Canada	63 (2.2) ▲	66 (2.2) ▲
Dubai, UAE	62 (1.7) ▲	66 (1.7) ▲
Indiana, US	58 (3.9) ▲	68 (3.2) ▲
Florida, US	58 (4.4) ▲	62 (4.6) ▲
Connecticut, US	57 (3.5) ▲	66 (3.2) ▲
Abu Dhabi, UAE	55 (2.7) ▲	60 (2.7) ▲
California, US	53 (2.9) ▲	59 (3.0) ▲
Alabama, US	37 (3.7) ▼	41 (4.2) ▼

- ▲ Percent significantly higher than international average
- ▼ Percent significantly lower than international average

() Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

SOURCE: IEA's Progress in International Reading Literacy Study - PIRLS 2011

M01_04A (M032760A): Red&BlackTiles_Shape with 64 tiles
Constructed Response (2 Points)

Country	Percent Full Credit	Percent at Least 1 Point
Chinese Taipei	75 (1.7) ▲	79 (1.6) ▲
Singapore	74 (1.9) ▲	78 (1.8) ▲
Korea, Rep. of	74 (2.0) ▲	77 (2.0) ▲
Japan	66 (2.1) ▲	70 (1.9) ▲
Hong Kong SAR	62 (1.9) ▲	66 (1.9) ▲
Russian Federation	42 (2.4) ▲	46 (2.6) ▲
Israel	38 (2.5) ▲	41 (2.5) ▲
England	38 (2.9) ▲	43 (3.1) ▲
Australia	35 (2.4) ▲	38 (2.5) ▲
United States	34 (1.7) ▲	38 (1.6) ▲
Finland	32 (2.0) ▲	37 (2.0) ▲
Slovenia	32 (2.6)	36 (2.8)
New Zealand	32 (2.5)	36 (2.5) ▲
Hungary	31 (2.1) ▲	35 (2.2)
Italy	31 (2.0)	34 (2.0)
Turkey	28 (1.9)	31 (2.0)
International Avg.	27 (0.3)	31 (0.3)
Sweden	27 (1.5)	31 (1.7)
Lithuania	27 (2.5)	30 (2.5)
Kazakhstan	25 (2.4)	29 (2.6)
United Arab Emirates	24 (1.2) ▼	27 (1.4) ▼
Malaysia	23 (2.1)	27 (2.3)
Thailand	23 (1.9) ▼	25 (2.1) ▼
Qatar	20 (2.2) ▼	25 (2.5) ▼
Iran, Islamic Rep. of	20 (1.5) ▼	24 (1.8) ▼
Ukraine	19 (1.9) ▼	22 (1.9) ▼
Norway	19 (2.0) ▼	21 (2.0) ▼
Bahrain	18 (1.6) ▼	23 (1.5) ▼
Romania	16 (1.8) ▼	19 (1.8) ▼
Lebanon	16 (2.2) ▼	19 (2.2) ▼
Chile	16 (1.5) ▼	19 (1.5) ▼
Georgia	16 (2.2) ▼	17 (2.2) ▼
Macedonia, Rep. of	15 (2.3) ▼	19 (2.7) ▼
Jordan	15 (1.4) ▼	19 (1.6) ▼
Saudi Arabia	14 (1.7) ▼	19 (1.8) ▼
Armenia	14 (1.9) ▼	16 (2.0) ▼
Palestinian Nat'l Auth.	12 (1.7) ▼	17 (2.1) ▼
Tunisia	12 (1.4) ▼	14 (1.7) ▼
Oman	9 (0.9) ▼	12 (1.0) ▼
Indonesia	8 (1.2) ▼	13 (1.5) ▼
Syrian Arab Republic	7 (1.4) ▼	9 (1.6) ▼
Morocco	7 (0.8) ▼	9 (1.1) ▼
Ghana	3 (0.8) ▼	4 (0.9) ▼
Ninth Grade Participants		
Botswana	8 (1.0) ▼	15 (1.4) ▼
South Africa	8 (0.7) ▼	9 (0.8) ▼
Honduras	5 (0.9) ▼	6 (1.0) ▼
Benchmarking Participants		
Massachusetts, US	54 (4.2) ▲	57 (4.0) ▲
Minnesota, US	47 (2.8) ▲	52 (3.0) ▲
Ontario, Canada	46 (2.1) ▲	51 (2.1) ▲
North Carolina, US	41 (3.9) ▲	47 (4.1) ▲
Quebec, Canada	39 (2.2) ▲	44 (2.3) ▲
Connecticut, US	37 (3.8) ▲	43 (3.8) ▲
Colorado, US	37 (3.3) ▲	42 (3.6) ▲
Alberta, Canada	34 (2.1) ▲	41 (2.4) ▲
Dubai, UAE	32 (2.3)	34 (2.3)
Indiana, US	30 (3.6)	35 (3.7)
Florida, US	30 (3.8)	33 (4.1)
California, US	28 (3.1)	33 (3.2)
Abu Dhabi, UAE	22 (2.4) ▼	25 (2.5) ▼
Alabama, US	16 (2.3) ▼	21 (2.9) ▼

- ▲ Percent significantly higher than international average
- ▼ Percent significantly lower than international average

() Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

SOURCE: IEA's Progress in International Reading Literacy Study – PIRLS 2011

M01_04B (M032760B): Red&BlackTiles_Shape with 49 tiles
Constructed Response (1 Point)

Country	Percent Correct
Singapore	65 (1.7) ▲
Chinese Taipei	60 (1.8) ▲
Korea, Rep. of	58 (1.8) ▲
Hong Kong SAR	53 (2.2) ▲
Japan	50 (2.0) ▲
Russian Federation	33 (2.6) ▲
England	29 (2.6) ▲
Australia	26 (2.0) ▲
Israel	26 (1.8) ▲
Hungary	25 (2.0) ▲
New Zealand	25 (2.4)
Finland	24 (2.0) ▲
United States	24 (1.6) ▲
Slovenia	24 (2.4)
Italy	22 (1.8)
International Avg.	20 (0.3)
Sweden	20 (1.5)
Lithuania	20 (2.1)
Turkey	20 (1.5)
Thailand	18 (1.8)
Kazakhstan	16 (2.0) ▼
Qatar	15 (2.1) ▼
Malaysia	15 (1.4) ▼
Iran, Islamic Rep. of	15 (1.4) ▼
United Arab Emirates	14 (1.1) ▼
Norway	13 (1.7) ▼
Armenia	13 (1.8) ▼
Ukraine	12 (1.7) ▼
Romania	11 (1.5) ▼
Macedonia, Rep. of	11 (2.1) ▼
Bahrain	11 (1.2) ▼
Jordan	10 (1.3) ▼
Georgia	9 (1.6) ▼
Lebanon	9 (1.8) ▼
Indonesia	8 (1.1) ▼
Saudi Arabia	8 (1.0) ▼
Chile	8 (1.0) ▼
Palestinian Nat'l Auth.	8 (1.3) ▼
Tunisia	7 (1.3) ▼
Oman	7 (0.9) ▼
Syrian Arab Republic	5 (1.4) ▼
Morocco	5 (0.7) ▼
Ghana	3 (0.7) ▼
Ninth Grade Participants	
Botswana	9 (1.1) ▼
South Africa	5 (0.6) ▼
Honduras	4 (0.9) ▼
Benchmarking Participants	
Massachusetts, US	44 (3.7) ▲
Ontario, Canada	36 (2.0) ▲
North Carolina, US	35 (3.4) ▲
Minnesota, US	33 (3.4) ▲
Colorado, US	30 (3.0) ▲
Quebec, Canada	28 (1.9) ▲
Connecticut, US	28 (3.6) ▲
Alberta, Canada	25 (2.0) ▲
Indiana, US	22 (2.2)
Dubai, UAE	20 (1.9)
Florida, US	19 (2.8)
California, US	18 (2.4)
Abu Dhabi, UAE	13 (2.5) ▼
Alabama, US	11 (1.8) ▼

- ▲ Percent significantly higher than international average
- ▼ Percent significantly lower than international average

() Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

SOURCE: IEA's Progress in International Reading Literacy Study - PIRLS 2011

M01_04C (M032760C): Red&BlackTiles_Shape with 44 tiles
Constructed Response (1 Point)

Country	Percent Correct
Korea, Rep. of	57 (1.8) ▲
Chinese Taipei	55 (1.8) ▲
Singapore	53 (2.0) ▲
Hong Kong SAR	39 (2.1) ▲
Japan	37 (2.2) ▲
Russian Federation	23 (2.5) ▲
England	21 (2.4) ▲
Turkey	19 (1.7) ▲
Israel	18 (1.6) ▲
Australia	17 (1.8)
United States	17 (1.3) ▲
New Zealand	17 (2.4)
Kazakhstan	16 (2.3)
Hungary	15 (1.7)
International Avg.	15 (0.2)
Slovenia	14 (1.9)
Finland	13 (1.8)
Lithuania	12 (1.8)
Sweden	12 (1.2) ▼
Italy	11 (1.5) ▼
Thailand	10 (1.4) ▼
United Arab Emirates	10 (0.8) ▼
Malaysia	10 (1.2) ▼
Qatar	10 (1.3) ▼
Macedonia, Rep. of	9 (2.0) ▼
Armenia	9 (1.6) ▼
Georgia	8 (1.5) ▼
Romania	8 (1.3) ▼
Bahrain	8 (1.1) ▼
Ukraine	7 (1.1) ▼
Norway	7 (1.2) ▼
Iran, Islamic Rep. of	7 (1.0) ▼
Palestinian Nat'l Auth.	6 (1.4) ▼
Jordan	6 (1.0) ▼
Lebanon	5 (1.1) ▼
Chile	5 (0.8) ▼
Saudi Arabia	4 (0.9) ▼
Indonesia	4 (0.9) ▼
Oman	4 (0.7) ▼
Tunisia	3 (0.8) ▼
Morocco	2 (0.4) ▼
Syrian Arab Republic	1 (0.7) ▼
Ghana	1 (0.5) ▼
Ninth Grade Participants	
Botswana	4 (0.8) ▼
South Africa	3 (0.5) ▼
Honduras	2 (0.6) ▼
Benchmarking Participants	
Massachusetts, US	33 (3.8) ▲
Minnesota, US	28 (3.0) ▲
North Carolina, US	25 (3.1) ▲
Ontario, Canada	25 (2.2) ▲
Quebec, Canada	21 (1.8) ▲
Connecticut, US	20 (2.5) ▲
Colorado, US	19 (2.5)
Alberta, Canada	16 (1.3)
Florida, US	16 (3.0)
Dubai, UAE	14 (1.4)
California, US	14 (1.9)
Indiana, US	13 (1.9)
Abu Dhabi, UAE	10 (1.7) ▼
Alabama, US	8 (2.1) ▼

- ▲ Percent significantly higher than international average
- ▼ Percent significantly lower than international average

() Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

SOURCE: IEA's Progress in International Reading Literacy Study – PIRLS 2011

M01_05 (M032761): Red&BlackTiles_Figure n
Constructed Response (2 Points)

Country	Percent Full Credit	Percent at Least 1 Point
Chinese Taipei	53 (1.9) ▲	73 (1.7) ▲
Singapore	47 (2.4) ▲	62 (2.1) ▲
Korea, Rep. of	45 (2.0) ▲	65 (2.1) ▲
Hong Kong SAR	40 (2.1) ▲	58 (2.2) ▲
Japan	36 (2.3) ▲	56 (2.1) ▲
Russian Federation	21 (2.4) ▲	31 (2.7) ▲
Hungary	14 (1.2) ▲	29 (1.9) ▲
Israel	14 (1.5) ▲	25 (1.9) ▲
England	13 (2.2)	26 (2.9) ▲
Kazakhstan	13 (2.0)	20 (2.6)
Australia	12 (2.1)	24 (2.6)
Turkey	11 (1.5)	19 (1.7)
Slovenia	11 (1.7)	26 (2.4) ▲
International Avg.	11 (0.2)	20 (0.3)
Italy	9 (1.5)	21 (2.0)
New Zealand	9 (1.2)	20 (2.1)
United States	8 (1.0) ▼	24 (1.5) ▲
Finland	7 (1.1) ▼	20 (1.9)
Lithuania	7 (1.0) ▼	16 (1.4) ▼
Ukraine	7 (1.5) ▼	13 (1.7) ▼
Romania	6 (1.1) ▼	11 (1.6) ▼
Lebanon	6 (1.1) ▼	12 (1.7) ▼
Armenia	5 (1.0) ▼	9 (1.4) ▼
United Arab Emirates	5 (0.6) ▼	15 (1.1) ▼
Qatar	5 (1.3) ▼	13 (2.5) ▼
Macedonia, Rep. of	5 (1.2) ▼	11 (2.0) ▼
Thailand	4 (0.8) ▼	9 (1.4) ▼
Sweden	4 (0.9) ▼	14 (1.4) ▼
Georgia	4 (0.9) ▼	8 (1.3) ▼
Iran, Islamic Rep. of	4 (0.8) ▼	9 (1.2) ▼
Bahrain	3 (0.6) ▼	8 (1.1) ▼
Palestinian Nat'l Auth.	3 (1.0) ▼	12 (1.6) ▼
Tunisia	3 (1.0) ▼	13 (1.7) ▼
Malaysia	3 (0.6) ▼	8 (1.1) ▼
Jordan	2 (0.6) ▼	10 (1.5) ▼
Oman	2 (0.4) ▼	7 (0.8) ▼
Morocco	2 (0.4) ▼	8 (0.8) ▼
Norway	2 (0.5) ▼	6 (1.0) ▼
Saudi Arabia	1 (0.5) ▼	5 (1.3) ▼
Syrian Arab Republic	1 (0.5) ▼	7 (1.3) ▼
Chile	1 (0.4) ▼	7 (1.0) ▼
Indonesia	1 (0.4) ▼	4 (0.8) ▼
Ghana	1 (0.5) ▼	3 (0.7) ▼
Ninth Grade Participants		
South Africa	3 (0.4) ▼	7 (0.7) ▼
Honduras	1 (0.5) ▼	1 (0.5) ▼
Botswana	1 (0.3) ▼	4 (0.7) ▼
Benchmarking Participants		
Massachusetts, US	24 (3.5) ▲	50 (3.6) ▲
Quebec, Canada	11 (1.5)	22 (2.1)
Colorado, US	11 (2.0)	31 (3.5) ▲
Connecticut, US	10 (1.6)	24 (3.0)
Ontario, Canada	9 (1.2)	25 (1.8) ▲
Minnesota, US	9 (2.1)	29 (3.2) ▲
North Carolina, US	9 (2.0)	27 (3.4) ▲
California, US	9 (2.0)	21 (2.6)
Florida, US	8 (2.2)	18 (3.4)
Dubai, UAE	7 (1.4) ▼	20 (2.1)
Indiana, US	7 (1.7) ▼	23 (3.2)
Alberta, Canada	7 (1.1) ▼	18 (1.8)
Abu Dhabi, UAE	5 (1.1) ▼	13 (2.3) ▼
Alabama, US	3 (1.3) ▼	11 (2.4) ▼

- ▲ Percent significantly higher than international average
- ▼ Percent significantly lower than international average

() Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

SOURCE: IEA's Progress in International Reading Literacy Study – PIRLS 2011

M01_06 (M032692): Interior angles of pentagon
Constructed Response (2 Points)

Country	Percent Full Credit	Percent at Least 1 Point
Japan	72 (1.9) ▲	81 (1.5) ▲
Chinese Taipei	70 (1.6) ▲	71 (1.7) ▲
Korea, Rep. of	69 (2.3) ▲	74 (2.2) ▲
Singapore	55 (1.8) ▲	60 (1.9) ▲
Hong Kong SAR	38 (2.7) ▲	51 (2.7) ▲
Slovenia	31 (2.4) ▲	36 (2.4) ▲
Israel	30 (1.9) ▲	37 (2.2) ▲
Turkey	28 (1.8) ▲	37 (1.9) ▲
Armenia	23 (1.9)	30 (2.1) ▲
Hungary	22 (1.9)	29 (2.1)
Iran, Islamic Rep. of	21 (1.9)	27 (2.2)
Kazakhstan	20 (2.6)	31 (2.8) ▲
International Avg.	19 (0.3)	25 (0.3)
Russian Federation	19 (2.2)	35 (2.8) ▲
Italy	18 (1.6)	23 (2.0)
Macedonia, Rep. of	18 (2.3)	24 (2.5)
Palestinian Nat'l Auth.	18 (1.6)	26 (2.2)
Oman	17 (1.6)	24 (1.8)
England	17 (2.5)	20 (2.6) ▼
Lithuania	16 (1.6) ▼	22 (1.9)
Jordan	15 (1.7) ▼	22 (1.9) ▼
Ukraine	15 (1.9) ▼	24 (2.6)
Norway	15 (1.8) ▼	20 (2.2) ▼
Australia	13 (1.5) ▼	19 (1.9) ▼
Georgia	12 (1.7) ▼	18 (2.2) ▼
Tunisia	12 (1.5) ▼	22 (1.9)
Finland	12 (1.6) ▼	20 (2.0) ▼
United States	12 (1.0) ▼	16 (1.4) ▼
Sweden	11 (1.3) ▼	14 (1.5) ▼
New Zealand	11 (1.5) ▼	13 (1.9) ▼
United Arab Emirates	10 (0.9) ▼	16 (1.0) ▼
Saudi Arabia	10 (1.6) ▼	17 (1.7) ▼
Qatar	10 (1.3) ▼	16 (1.5) ▼
Lebanon	8 (1.5) ▼	16 (1.9) ▼
Romania	8 (1.2) ▼	14 (1.8) ▼
Syrian Arab Republic	7 (1.3) ▼	13 (1.9) ▼
Chile	7 (0.9) ▼	8 (1.1) ▼
Malaysia	6 (0.8) ▼	8 (0.9) ▼
Bahrain	6 (1.2) ▼	7 (1.2) ▼
Thailand	6 (1.0) ▼	11 (1.8) ▼
Ghana	4 (1.2) ▼	7 (1.5) ▼
Morocco	3 (0.5) ▼	8 (0.9) ▼
Indonesia	0 (0.1) ▼	0 (0.2) ▼
Ninth Grade Participants		
Botswana	11 (1.3) ▼	16 (1.4) ▼
South Africa	3 (0.5) ▼	4 (0.7) ▼
Honduras	1 (0.5) ▼	1 (0.5) ▼
Benchmarking Participants		
Massachusetts, US	40 (3.0) ▲	51 (4.1) ▲
Quebec, Canada	21 (1.7)	31 (1.8) ▲
North Carolina, US	17 (3.1)	27 (4.0)
Dubai, UAE	16 (1.3) ▼	21 (1.4) ▼
Minnesota, US	15 (2.4)	19 (2.5) ▼
Florida, US	15 (2.5)	22 (2.9)
Connecticut, US	12 (2.3) ▼	16 (2.5) ▼
Colorado, US	12 (2.5) ▼	15 (2.5) ▼
Indiana, US	12 (2.4) ▼	14 (2.5) ▼
Ontario, Canada	10 (1.5) ▼	16 (1.7) ▼
Abu Dhabi, UAE	8 (1.5) ▼	14 (1.9) ▼
California, US	7 (1.6) ▼	8 (1.7) ▼
Alabama, US	5 (1.3) ▼	7 (1.8) ▼
Alberta, Canada	4 (1.0) ▼	5 (1.1) ▼

- ▲ Percent significantly higher than international average
- ▼ Percent significantly lower than international average

() Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

SOURCE: IEA's Progress in International Reading Literacy Study – PIRLS 2011

M01_07 (M032626): 36 as a product of prime factors
Multiple Choice (Key is D)

Country	Percent Correct
Korea, Rep. of	90 (1.2) ▲
Chinese Taipei	88 (1.2) ▲
Singapore	79 (1.7) ▲
Hong Kong SAR	73 (2.0) ▲
Hungary	69 (2.0) ▲
Russian Federation	68 (2.8) ▲
Italy	66 (2.1) ▲
Thailand	65 (2.2) ▲
United States	64 (1.7) ▲
Ukraine	59 (2.9) ▲
Jordan	58 (1.9) ▲
Palestinian Nat'l Auth.	56 (2.1) ▲
Armenia	55 (2.3) ▲
Turkey	53 (1.9)
Lebanon	52 (2.8)
Israel	52 (2.2)
England	51 (3.0)
United Arab Emirates	49 (1.5)
International Avg.	49 (0.3)
Norway	49 (2.2)
Tunisia	49 (2.0)
Romania	49 (2.3)
Georgia	48 (3.8)
Qatar	46 (2.4)
Slovenia	45 (2.5)
Australia	45 (2.2) ▼
New Zealand	43 (1.9) ▼
Iran, Islamic Rep. of	43 (2.0) ▼
Indonesia	43 (2.5) ▼
Saudi Arabia	43 (2.3) ▼
Ghana	43 (2.0) ▼
Kazakhstan	41 (2.8) ▼
Japan	37 (2.2) ▼
Macedonia, Rep. of	37 (3.0) ▼
Oman	35 (1.7) ▼
Lithuania	35 (2.3) ▼
Malaysia	34 (2.2) ▼
Bahrain	32 (2.0) ▼
Syrian Arab Republic	31 (2.1) ▼
Sweden	29 (1.7) ▼
Finland	29 (2.2) ▼
Chile	29 (1.7) ▼
Morocco	13 (1.2) ▼
Ninth Grade Participants	
Botswana	60 (1.7) ▲
South Africa	27 (1.3) ▼
Honduras	21 (2.1) ▼
Benchmarking Participants	
Massachusetts, US	81 (2.5) ▲
Minnesota, US	72 (3.0) ▲
Indiana, US	69 (3.7) ▲
North Carolina, US	69 (3.3) ▲
California, US	67 (3.0) ▲
Colorado, US	66 (2.8) ▲
Dubai, UAE	60 (1.6) ▲
Connecticut, US	57 (3.3) ▲
Florida, US	54 (3.6)
Alabama, US	51 (4.1)
Alberta, Canada	48 (2.4)
Ontario, Canada	45 (2.4)
Abu Dhabi, UAE	44 (2.7)
Quebec, Canada	44 (2.3) ▼

- ▲ Percent significantly higher than international average
- ▼ Percent significantly lower than international average

() Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

SOURCE: IEA's Progress in International Reading Literacy Study – PIRLS 2011

M01_08 (M032595): The percentage of caps for sale
Multiple Choice (Key is C)

Country	Percent Correct
Korea, Rep. of	90 (1.2) ▲
Singapore	89 (1.3) ▲
Hong Kong SAR	87 (1.4) ▲
Chinese Taipei	84 (1.6) ▲
Finland	80 (1.8) ▲
Japan	79 (1.6) ▲
Lithuania	66 (2.3) ▲
England	63 (2.9) ▲
Hungary	63 (2.2) ▲
Sweden	62 (2.0) ▲
Slovenia	61 (2.6) ▲
Italy	60 (2.5) ▲
United States	59 (1.6) ▲
Israel	59 (2.2) ▲
Australia	58 (2.0) ▲
New Zealand	56 (2.9) ▲
Russian Federation	54 (2.3) ▲
Norway	54 (2.3) ▲
Turkey	53 (1.7) ▲
Ukraine	51 (2.7)
International Avg.	49 (0.3)
Malaysia	46 (2.2)
Armenia	46 (2.1)
Chile	45 (1.9)
Kazakhstan	42 (2.6) ▼
Thailand	42 (2.1) ▼
Iran, Islamic Rep. of	40 (2.0) ▼
Qatar	38 (2.2) ▼
United Arab Emirates	38 (1.4) ▼
Romania	37 (2.5) ▼
Indonesia	36 (2.7) ▼
Saudi Arabia	34 (2.4) ▼
Bahrain	33 (1.6) ▼
Georgia	33 (2.3) ▼
Macedonia, Rep. of	32 (2.4) ▼
Lebanon	28 (2.4) ▼
Tunisia	28 (1.8) ▼
Syrian Arab Republic	25 (2.1) ▼
Oman	23 (1.4) ▼
Morocco	21 (1.4) ▼
Palestinian Nat'l Auth.	18 (1.6) ▼
Ghana	14 (1.4) ▼
Jordan	13 (1.6) ▼
Ninth Grade Participants	
Botswana	29 (1.7) ▼
South Africa	17 (1.1) ▼
Honduras	14 (1.6) ▼
Benchmarking Participants	
Massachusetts, US	76 (2.6) ▲
Minnesota, US	73 (2.8) ▲
Colorado, US	67 (3.5) ▲
Alberta, Canada	67 (2.0) ▲
Quebec, Canada	67 (2.0) ▲
Indiana, US	65 (3.2) ▲
Connecticut, US	65 (2.9) ▲
North Carolina, US	63 (3.8) ▲
Ontario, Canada	59 (1.8) ▲
Florida, US	58 (4.1) ▲
California, US	50 (3.3)
Dubai, UAE	42 (2.3) ▼
Alabama, US	40 (4.3)
Abu Dhabi, UAE	39 (2.8) ▼

- ▲ Percent significantly higher than international average
- ▼ Percent significantly lower than international average

() Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

SOURCE: IEA's Progress in International Reading Literacy Study – PIRLS 2011

M01_09 (M032673): If t is a number between 6 and 9
Multiple Choice (Key is C)

Country	Percent Correct
Korea, Rep. of	87 (1.4) ▲
Chinese Taipei	81 (1.8) ▲
Singapore	80 (1.7) ▲
Hong Kong SAR	78 (1.8) ▲
Japan	75 (1.9) ▲
Hungary	64 (2.0) ▲
England	64 (2.9) ▲
United States	61 (1.5) ▲
Russian Federation	61 (2.6) ▲
Australia	59 (2.7) ▲
Slovenia	56 (2.4) ▲
New Zealand	55 (2.6) ▲
Italy	54 (2.4) ▲
Sweden	53 (1.8) ▲
Finland	52 (2.1) ▲
Georgia	49 (2.3)
Israel	49 (2.3)
Romania	48 (2.3)
International Avg.	47 (0.3)
Turkey	47 (2.1)
Ukraine	44 (2.8)
Lithuania	43 (2.4)
Thailand	43 (2.0) ▼
United Arab Emirates	41 (1.5) ▼
Lebanon	40 (2.6) ▼
Malaysia	39 (2.1) ▼
Jordan	39 (2.0) ▼
Chile	39 (2.1) ▼
Qatar	38 (2.7) ▼
Kazakhstan	38 (2.5) ▼
Norway	37 (2.3) ▼
Iran, Islamic Rep. of	36 (1.8) ▼
Tunisia	35 (1.9) ▼
Macedonia, Rep. of	34 (2.6) ▼
Palestinian Nat'l Auth.	34 (2.1) ▼
Armenia	33 (2.5) ▼
Bahrain	33 (2.1) ▼
Saudi Arabia	33 (2.0) ▼
Syrian Arab Republic	32 (2.4) ▼
Oman	31 (1.7) ▼
Morocco	27 (1.8) ▼
Indonesia	24 (2.0) ▼
Ghana	21 (1.6) ▼
Ninth Grade Participants	
Botswana	24 (1.4) ▼
South Africa	20 (1.2) ▼
Honduras	17 (1.5) ▼
Benchmarking Participants	
Massachusetts, US	76 (2.6) ▲
North Carolina, US	71 (3.1) ▲
Minnesota, US	70 (3.2) ▲
Quebec, Canada	67 (2.2) ▲
Indiana, US	66 (3.7) ▲
Colorado, US	64 (3.4) ▲
Connecticut, US	63 (2.5) ▲
Florida, US	60 (3.4) ▲
Ontario, Canada	58 (2.2) ▲
Alberta, Canada	57 (2.3) ▲
California, US	52 (2.7)
Alabama, US	51 (3.5)
Dubai, UAE	48 (2.5)
Abu Dhabi, UAE	40 (2.5) ▼

- ▲ Percent significantly higher than international average
- ▼ Percent significantly lower than international average

() Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

SOURCE: IEA's Progress in International Reading Literacy Study - PIRLS 2011

M02_01 (M052216): Select the decimal equal to 3/5
Multiple Choice (Key is B)

Country	Percent Correct
Singapore	96 (0.7) ▲
Korea, Rep. of	96 (0.7) ▲
Lebanon	93 (1.7) ▲
Hong Kong SAR	89 (1.4) ▲
Chinese Taipei	89 (1.4) ▲
Japan	86 (1.3) ▲
Russian Federation	84 (1.6) ▲
Sweden	83 (1.4) ▲
United States	83 (1.3) ▲
Kazakhstan	82 (2.3) ▲
Armenia	80 (2.0) ▲
United Arab Emirates	77 (1.2) ▲
Tunisia	75 (1.6) ▲
Lithuania	74 (2.3) ▲
Israel	74 (1.9) ▲
Italy	72 (2.2)
Saudi Arabia	72 (2.4)
Morocco	71 (1.6)
Slovenia	71 (2.3)
Australia	70 (2.7)
Finland	69 (2.4)
Qatar	69 (1.8)
Romania	69 (2.6)
International Avg.	68 (0.3)
Ukraine	68 (3.0)
Hungary	67 (2.3)
Palestinian Nat'l Auth.	66 (2.0)
Macedonia, Rep. of	65 (2.8)
Malaysia	65 (2.4)
Georgia	65 (2.8)
Norway	63 (2.8)
Oman	60 (1.9) ▼
England	59 (3.1) ▼
New Zealand	56 (2.9) ▼
Bahrain	54 (2.4) ▼
Syrian Arab Republic	52 (2.4) ▼
Indonesia	50 (1.9) ▼
Thailand	50 (2.1) ▼
Jordan	49 (2.4) ▼
Turkey	48 (1.9) ▼
Chile	39 (2.1) ▼
Ghana	39 (2.0) ▼
Iran, Islamic Rep. of	38 (1.8) ▼
Ninth Grade Participants	
Botswana	67 (2.2)
South Africa	61 (1.9) ▼
Honduras	47 (2.7) ▼
Benchmarking Participants	
North Carolina, US	94 (1.7) ▲
Florida, US	91 (2.3) ▲
Minnesota, US	90 (1.9) ▲
Massachusetts, US	89 (2.5) ▲
Quebec, Canada	87 (1.4) ▲
Indiana, US	86 (2.6) ▲
Connecticut, US	84 (2.5) ▲
Alberta, Canada	83 (1.9) ▲
Colorado, US	80 (2.9) ▲
Dubai, UAE	77 (1.8) ▲
California, US	77 (2.8) ▲
Abu Dhabi, UAE	74 (2.3) ▲
Ontario, Canada	73 (2.0) ▲
Alabama, US	72 (3.3)

- ▲ Percent significantly higher than international average
- ▼ Percent significantly lower than international average

() Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

SOURCE: IEA's Progress in International Reading Literacy Study – PIRLS 2011

M02_02 (M052231): Add 42.65 to 5.748
Constructed Response (1 Point)

Country	Percent Correct
Singapore	94 (0.8) ▲
Malaysia	91 (1.2) ▲
Hong Kong SAR	91 (1.5) ▲
Kazakhstan	90 (1.8) ▲
Lithuania	90 (1.5) ▲
Russian Federation	90 (1.2) ▲
Chinese Taipei	89 (1.1) ▲
United States	89 (1.0) ▲
Hungary	88 (1.3) ▲
Italy	88 (1.6) ▲
Korea, Rep. of	87 (1.5) ▲
Slovenia	85 (1.7) ▲
Armenia	84 (1.9) ▲
Tunisia	82 (1.8) ▲
Israel	82 (1.4) ▲
Australia	82 (2.0) ▲
Norway	81 (1.9) ▲
Lebanon	81 (1.7) ▲
Japan	81 (1.6) ▲
Ukraine	80 (2.4) ▲
United Arab Emirates	79 (1.2) ▲
Sweden	79 (1.7) ▲
England	79 (2.4) ▲
Finland	79 (1.8) ▲
International Avg.	72 (0.3)
Morocco	72 (1.7)
Qatar	72 (1.5)
New Zealand	70 (2.9)
Romania	69 (2.5)
Saudi Arabia	65 (2.5) ▼
Macedonia, Rep. of	65 (2.6) ▼
Georgia	64 (2.9) ▼
Thailand	64 (2.4) ▼
Chile	58 (2.2) ▼
Indonesia	57 (2.2) ▼
Palestinian Nat'l Auth.	56 (1.9) ▼
Oman	49 (1.6) ▼
Turkey	48 (1.8) ▼
Bahrain	43 (2.3) ▼
Iran, Islamic Rep. of	42 (2.2) ▼
Jordan	36 (1.7) ▼
Ghana	36 (2.1) ▼
Syrian Arab Republic	31 (2.4) ▼
Ninth Grade Participants	
Botswana	74 (1.4)
Honduras	66 (2.3) ▼
South Africa	63 (2.0) ▼
Benchmarking Participants	
Massachusetts, US	95 (1.3) ▲
Minnesota, US	93 (1.6) ▲
Florida, US	93 (1.8) ▲
Alabama, US	92 (2.5) ▲
Connecticut, US	91 (1.7) ▲
Indiana, US	90 (1.8) ▲
North Carolina, US	90 (2.5) ▲
Quebec, Canada	90 (1.4) ▲
California, US	89 (1.4) ▲
Alberta, Canada	86 (1.3) ▲
Ontario, Canada	85 (1.7) ▲
Colorado, US	82 (2.2) ▲
Abu Dhabi, UAE	81 (2.1) ▲
Dubai, UAE	80 (2.1) ▲

- ▲ Percent significantly higher than international average
- ▼ Percent significantly lower than international average

() Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

SOURCE: IEA's Progress in International Reading Literacy Study - PIRLS 2011

M02_03 (M052061): Packing eggs into boxes
Constructed Response (1 Point)

Country	Percent Correct
Hong Kong SAR	89 (1.3) ▲
Chinese Taipei	86 (1.4) ▲
Japan	75 (1.9) ▲
Korea, Rep. of	74 (1.9) ▲
Finland	66 (2.2) ▲
Singapore	64 (2.0) ▲
Lithuania	62 (2.4) ▲
England	61 (2.9) ▲
Sweden	58 (2.1) ▲
Hungary	58 (2.0) ▲
United States	56 (1.8) ▲
Norway	56 (2.4) ▲
Slovenia	54 (2.7) ▲
Russian Federation	54 (2.3) ▲
Kazakhstan	54 (2.7) ▲
Australia	53 (2.9) ▲
Ukraine	46 (3.3)
New Zealand	46 (2.1) ▲
Israel	45 (2.1)
International Avg.	41 (0.3)
Armenia	39 (2.0)
Georgia	37 (3.3)
Italy	35 (2.6) ▼
Romania	33 (2.2) ▼
Thailand	33 (2.2) ▼
United Arab Emirates	32 (1.3) ▼
Turkey	31 (1.7) ▼
Malaysia	29 (1.7) ▼
Chile	29 (1.4) ▼
Macedonia, Rep. of	27 (2.5) ▼
Lebanon	24 (2.1) ▼
Bahrain	23 (2.1) ▼
Tunisia	23 (1.7) ▼
Qatar	22 (2.0) ▼
Iran, Islamic Rep. of	22 (1.6) ▼
Indonesia	21 (2.1) ▼
Saudi Arabia	21 (1.7) ▼
Jordan	17 (1.4) ▼
Morocco	15 (1.3) ▼
Palestinian Nat'l Auth.	14 (1.7) ▼
Oman	14 (1.1) ▼
Syrian Arab Republic	13 (1.5) ▼
Ghana	12 (1.5) ▼
Ninth Grade Participants	
Honduras	23 (2.0) ▼
Botswana	15 (1.3) ▼
South Africa	12 (0.9) ▼
Benchmarking Participants	
Minnesota, US	76 (3.2) ▲
Massachusetts, US	76 (2.8) ▲
Indiana, US	72 (3.1) ▲
Quebec, Canada	72 (2.3) ▲
North Carolina, US	69 (3.2) ▲
Colorado, US	63 (3.4) ▲
Florida, US	62 (4.0) ▲
Ontario, Canada	61 (2.2) ▲
Alberta, Canada	59 (2.4) ▲
Connecticut, US	58 (3.5) ▲
Alabama, US	48 (3.2) ▲
California, US	38 (3.2)
Dubai, UAE	35 (1.9) ▼
Abu Dhabi, UAE	32 (2.4) ▼

- ▲ Percent significantly higher than international average
- ▼ Percent significantly lower than international average

() Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

SOURCE: IEA's Progress in International Reading Literacy Study – PIRLS 2011

M02_04 (M052228): Method for subtracting fractions
Multiple Choice (Key is D)

Country	Percent Correct
Korea, Rep. of	86 (1.3) ▲
Singapore	83 (1.5) ▲
Chinese Taipei	82 (1.6) ▲
Hong Kong SAR	77 (1.8) ▲
Japan	65 (2.1) ▲
Russian Federation	63 (2.3) ▲
Armenia	56 (2.2) ▲
Italy	51 (2.5) ▲
Kazakhstan	50 (2.6) ▲
Lebanon	49 (2.8) ▲
Malaysia	46 (2.2) ▲
Israel	45 (2.2) ▲
Ukraine	41 (2.6)
United Arab Emirates	38 (1.4)
Turkey	37 (1.7)
International Avg.	37 (0.3)
Romania	36 (2.5)
Palestinian Nat'l Auth.	35 (1.9)
Australia	34 (2.7)
Jordan	33 (2.3)
Hungary	33 (2.1)
Georgia	33 (3.1)
Slovenia	30 (2.3) ▼
Thailand	29 (2.0) ▼
United States	29 (1.3) ▼
Lithuania	28 (2.2) ▼
England	28 (2.4) ▼
Saudi Arabia	28 (2.1) ▼
Iran, Islamic Rep. of	27 (1.7) ▼
New Zealand	26 (3.0) ▼
Macedonia, Rep. of	25 (2.3) ▼
Oman	24 (1.5) ▼
Qatar	24 (2.6) ▼
Bahrain	24 (2.2) ▼
Indonesia	21 (2.1) ▼
Tunisia	21 (1.9) ▼
Morocco	21 (1.6) ▼
Ghana	19 (1.5) ▼
Norway	19 (1.9) ▼
Syrian Arab Republic	18 (2.2) ▼
Finland	16 (1.5) ▼
Sweden	14 (1.5) ▼
Chile	12 (1.1) ▼
Ninth Grade Participants	
Botswana	22 (1.7) ▼
South Africa	12 (0.9) ▼
Honduras	9 (1.1) ▼
Benchmarking Participants	
Massachusetts, US	44 (4.3)
Dubai, UAE	43 (2.6) ▲
Abu Dhabi, UAE	40 (2.6)
California, US	38 (3.3)
Minnesota, US	35 (3.1)
North Carolina, US	35 (4.4)
Colorado, US	34 (2.6)
Quebec, Canada	33 (2.0) ▼
Ontario, Canada	33 (2.2) ▼
Connecticut, US	31 (3.0)
Florida, US	29 (3.6) ▼
Indiana, US	29 (3.3) ▼
Alberta, Canada	28 (2.1) ▼
Alabama, US	21 (2.7) ▼

- ▲ Percent significantly higher than international average
- ▼ Percent significantly lower than international average

() Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

SOURCE: IEA's Progress in International Reading Literacy Study - PIRLS 2011

M02_05 (M052214): Which number sentence is true
Multiple Choice (Key is D)

Country	Percent Correct
Chinese Taipei	74 (1.9) ▲
Korea, Rep. of	68 (1.8) ▲
Singapore	67 (1.6) ▲
Hong Kong SAR	63 (1.8) ▲
Russian Federation	58 (2.1) ●
Hungary	53 (2.1) ▲
Japan	52 (2.0) ▲
Armenia	51 (2.3) ▲
Malaysia	50 (2.1) ▲
Lebanon	47 (2.3) ▲
Israel	46 (2.4) ●
Ghana	44 (2.2)
Lithuania	43 (2.1)
Romania	43 (2.1)
Kazakhstan	43 (2.9)
Indonesia	41 (2.1)
International Avg.	41 (0.3)
Turkey	40 (1.6)
Georgia	40 (2.8)
United Arab Emirates	40 (1.5)
Iran, Islamic Rep. of	39 (1.7)
Ukraine	38 (3.1)
Thailand	38 (1.9)
Palestinian Nat'l Auth.	38 (2.0)
Qatar	37 (2.4)
Italy	36 (2.2)
Australia	36 (2.1) ▼
United States	36 (1.4) ▼
Morocco	34 (1.6) ▼
Oman	34 (1.6) ▼
Jordan	34 (1.7) ▼
Tunisia	33 (1.8) ▼
England	33 (2.4) ▼
Macedonia, Rep. of	32 (2.7) ▼
Finland	32 (2.3) ▼
Saudi Arabia	31 (2.4) ▼
Bahrain	31 (2.3) ▼
Slovenia	31 (2.4) ▼
Syrian Arab Republic	27 (2.1) ▼
New Zealand	27 (2.1) ▼
Chile	25 (1.8) ▼
Sweden	24 (1.8) ▼
Norway	23 (2.1) ▼
Ninth Grade Participants	
Botswana	45 (2.0) ▲
South Africa	35 (1.6) ▼
Honduras	30 (2.2) ▼
Benchmarking Participants	
North Carolina, US	56 (3.9) ▲
Massachusetts, US	46 (3.6)
Dubai, UAE	44 (2.1)
Minnesota, US	43 (2.2)
Indiana, US	41 (2.3)
Florida, US	40 (4.1)
Quebec, Canada	39 (1.7)
Abu Dhabi, UAE	37 (2.5)
California, US	34 (2.8) ▼
Connecticut, US	33 (2.9) ▼
Alberta, Canada	32 (2.4) ▼
Ontario, Canada	29 (2.1) ▼
Alabama, US	29 (2.5) ▼
Colorado, US	25 (2.8) ▼

- ▲ Percent significantly higher than international average
- ▼ Percent significantly lower than international average

() Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

SOURCE: IEA's Progress in International Reading Literacy Study – PIRLS 2011

M02_06 (M052173): Area of garden's shaded portion
Multiple Choice (Key is A)

Country	Percent Correct
Chinese Taipei	65 (1.9) ▲
Singapore	55 (2.2) ▲
Hong Kong SAR	46 (2.2) ▲
Korea, Rep. of	46 (2.4) ▲
Japan	27 (1.7) ●
Russian Federation	26 (2.7) ▲
Turkey	21 (1.5) ●
Armenia	21 (2.4)
Kazakhstan	20 (2.1)
Israel	19 (1.6)
Macedonia, Rep. of	18 (2.3)
International Avg.	16 (0.3)
Romania	16 (1.7)
England	15 (2.2)
Australia	14 (1.7)
Lithuania	14 (1.4) ▼
Slovenia	13 (1.9)
Italy	13 (1.4) ▼
Ukraine	12 (2.1) ▼
Georgia	12 (1.8) ▼
Malaysia	11 (1.1) ▼
Sweden	11 (1.2) ▼
Oman	11 (1.0) ▼
Palestinian Nat'l Auth.	11 (1.5) ▼
New Zealand	10 (1.3) ▼
United Arab Emirates	10 (0.9) ▼
United States	10 (1.0) ▼
Ghana	10 (1.2) ▼
Iran, Islamic Rep. of	10 (1.1) ▼
Chile	9 (1.1) ▼
Syrian Arab Republic	9 (1.4) ▼
Saudi Arabia	9 (1.2) ▼
Qatar	9 (1.3) ▼
Finland	9 (1.4) ▼
Tunisia	9 (1.3) ▼
Hungary	9 (1.1) ▼
Lebanon	9 (1.7) ▼
Thailand	8 (1.1) ▼
Bahrain	8 (1.2) ▼
Jordan	8 (1.0) ▼
Indonesia	8 (1.2) ▼
Morocco	6 (0.8) ▼
Norway	- -
Ninth Grade Participants	
South Africa	9 (0.9) ▼
Botswana	7 (1.1) ▼
Honduras	7 (1.0) ▼
Benchmarking Participants	
Massachusetts, US	20 (2.3)
Colorado, US	16 (2.0)
Minnesota, US	15 (2.1)
Connecticut, US	15 (1.9)
North Carolina, US	13 (2.3)
Ontario, Canada	11 (1.9) ▼
Dubai, UAE	11 (1.5) ▼
Indiana, US	11 (2.0) ▼
Florida, US	10 (2.0) ▼
Quebec, Canada	10 (1.2) ▼
Abu Dhabi, UAE	10 (1.6) ▼
Alberta, Canada	9 (1.1) ▼
Alabama, US	9 (1.6) ▼
California, US	8 (1.7) ▼

- ▲ Percent significantly higher than international average
- ▼ Percent significantly lower than international average

() Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

SOURCE: IEA's Progress in International Reading Literacy Study – PIRLS 2011

M02_07 (M052302): Value of y in an expression
Multiple Choice (Key is A)

Country	Percent Correct
Korea, Rep. of	92 (1.0) ▲
Chinese Taipei	91 (1.0) ▲
Singapore	91 (1.1) ▲
Russian Federation	91 (1.6) ▲
United States	89 (1.0) ▲
Japan	86 (1.5) ▲
Kazakhstan	86 (1.9) ▲
Hong Kong SAR	83 (1.8) ▲
Lithuania	83 (1.8) ▲
Ukraine	81 (2.5) ▲
Hungary	81 (1.7) ▲
Armenia	81 (1.8) ▲
Italy	80 (2.1) ▲
Slovenia	78 (2.1) ▲
Finland	78 (1.8) ▲
Romania	75 (1.9) ▲
Sweden	75 (1.7) ▲
England	73 (2.9)
Israel	72 (2.2)
Macedonia, Rep. of	71 (2.3)
Australia	71 (2.6)
International Avg.	71 (0.3)
Norway	70 (2.5)
Georgia	68 (2.2)
Qatar	66 (1.6) ▼
Turkey	66 (1.8) ▼
Jordan	65 (2.2) ▼
Indonesia	65 (2.4) ▼
Chile	65 (2.1) ▼
Syrian Arab Republic	65 (2.3) ▼
United Arab Emirates	64 (1.4) ▼
Bahrain	64 (2.1) ▼
Tunisia	62 (2.0) ▼
New Zealand	61 (2.6) ▼
Lebanon	60 (2.6) ▼
Palestinian Nat'l Auth.	59 (1.8) ▼
Saudi Arabia	57 (2.4) ▼
Thailand	56 (2.2) ▼
Iran, Islamic Rep. of	51 (2.5) ▼
Ghana	49 (2.1) ▼
Oman	48 (1.5) ▼
Malaysia	47 (2.1) ▼
Morocco	45 (1.8) ▼
Ninth Grade Participants	
Botswana	62 (2.0) ▼
Honduras	50 (2.1) ▼
South Africa	43 (1.4) ▼
Benchmarking Participants	
Massachusetts, US	94 (1.3) ▲
Indiana, US	93 (1.3) ▲
Minnesota, US	92 (1.5) ▲
Florida, US	90 (2.2) ▲
California, US	89 (2.1) ▲
North Carolina, US	89 (2.5) ▲
Connecticut, US	88 (2.0) ▲
Alabama, US	84 (3.1) ▲
Colorado, US	84 (2.2) ▲
Ontario, Canada	78 (2.0) ▲
Quebec, Canada	75 (1.8) ▲
Dubai, UAE	73 (1.9)
Alberta, Canada	71 (2.2)
Abu Dhabi, UAE	64 (2.3) ▼

- ▲ Percent significantly higher than international average
- ▼ Percent significantly lower than international average

() Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

SOURCE: IEA's Progress in International Reading Literacy Study – PIRLS 2011

M02_08 (M052002): Length of the longest wood piece
Constructed Response (2 Points)

Country	Percent Full Credit	Percent at Least 1 Point
Singapore	53 (2.3) ▲	63 (2.3) ▲
Chinese Taipei	50 (1.8) ▲	62 (1.7) ▲
Korea, Rep. of	40 (2.4) ▲	54 (2.3) ▲
Hong Kong SAR	28 (1.9) ▲	45 (2.2) ▲
Israel	27 (2.1) ▲	33 (2.2) ▲
Hungary	23 (1.8) ▲	28 (2.1) ▲
Russian Federation	22 (2.1) ▲	26 (2.2) ▲
Lithuania	19 (1.7) ▲	21 (1.7) ▲
Ukraine	16 (2.2) ▲	18 (2.2) ▲
Japan	16 (1.7) ▲	34 (2.0) ▲
Turkey	15 (1.4) ▲	18 (1.5) ▲
Finland	11 (1.6)	17 (1.9)
International Avg.	11 (0.2)	16 (0.2)
Armenia	10 (1.6) ▼	12 (1.7) ▼
Georgia	10 (1.2)	11 (1.2) ▼
Romania	9 (1.0)	14 (1.5)
Sweden	8 (1.1) ▼	14 (1.3)
United States	7 (1.0) ▼	16 (1.2)
Australia	7 (1.5) ▼	17 (2.2)
Kazakhstan	7 (1.7) ▼	21 (2.5) ▲
United Arab Emirates	6 (0.9) ▼	10 (1.0) ▼
Bahrain	5 (0.7) ▼	7 (0.9) ▼
Italy	5 (1.1) ▼	9 (1.3) ▼
New Zealand	5 (1.3) ▼	15 (1.7)
Qatar	4 (1.2) ▼	6 (1.2) ▼
Thailand	4 (1.0) ▼	5 (1.1) ▼
Lebanon	4 (0.9) ▼	6 (1.3) ▼
Macedonia, Rep. of	4 (1.0) ▼	9 (1.6) ▼
Slovenia	4 (0.9) ▼	10 (1.5) ▼
Malaysia	3 (0.8) ▼	9 (1.3) ▼
Tunisia	3 (0.7) ▼	4 (0.8) ▼
England	3 (0.9) ▼	11 (1.9) ▼
Chile	3 (0.5) ▼	4 (0.7) ▼
Syrian Arab Republic	3 (0.8) ▼	8 (1.4) ▼
Palestinian Nat'l Auth.	3 (0.8) ▼	7 (1.3) ▼
Iran, Islamic Rep. of	2 (0.7) ▼	4 (0.8) ▼
Oman	2 (0.5) ▼	7 (0.8) ▼
Jordan	2 (0.5) ▼	4 (0.7) ▼
Saudi Arabia	1 (0.5) ▼	5 (1.1) ▼
Indonesia	1 (0.4) ▼	7 (1.1) ▼
Ghana	1 (0.4) ▼	3 (0.7) ▼
Morocco	0 (0.2) ▼	3 (0.6) ▼
Norway	0 (0.3) ▼	3 (0.9) ▼
Ninth Grade Participants		
Botswana	1 (0.4) ▼	2 (0.5) ▼
South Africa	1 (0.2) ▼	3 (0.6) ▼
Honduras	0 (0.3) ▼	1 (0.6) ▼
Benchmarking Participants		
Quebec, Canada	16 (1.7) ▲	27 (2.3) ▲
Massachusetts, US	16 (3.2)	32 (3.9) ▲
North Carolina, US	14 (2.6)	28 (3.4) ▲
Minnesota, US	13 (2.6)	26 (2.9) ▲
Dubai, UAE	10 (1.6)	14 (1.5)
Connecticut, US	9 (1.7)	21 (3.4)
Indiana, US	9 (1.7)	18 (2.8)
Florida, US	9 (2.6)	15 (3.2)
Ontario, Canada	8 (1.3) ▼	14 (1.6)
California, US	6 (1.6) ▼	14 (2.2)
Colorado, US	6 (1.6) ▼	17 (2.7)
Abu Dhabi, UAE	5 (1.5) ▼	9 (1.8) ▼
Alberta, Canada	4 (1.0) ▼	12 (1.8) ▼
Alabama, US	3 (1.3) ▼	9 (2.1) ▼

- ▲ Percent significantly higher than international average
- ▼ Percent significantly lower than international average

() Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

SOURCE: IEA's Progress in International Reading Literacy Study - PIRLS 2011

M02_09 (M052362): What is the size of angle B
Constructed Response (1 Point)

Country	Percent Correct
Korea, Rep. of	89 (1.3) ▲
Japan	85 (1.4) ▲
Singapore	83 (1.3) ▲
Hong Kong SAR	72 (1.9) ▲
Chinese Taipei	72 (1.5) ▲
Lebanon	57 (2.5) ▲
England	52 (3.1) ▲
Russian Federation	52 (1.9) ▲
Italy	52 (2.9) ▲
Hungary	51 (2.3) ▲
Finland	48 (2.7) ▲
Australia	48 (2.8) ▲
Israel	46 (2.5) ▲
Slovenia	43 (2.0)
Kazakhstan	43 (2.8)
International Avg.	41 (0.3)
Lithuania	41 (2.4)
Norway	40 (2.3)
Ukraine	40 (2.8)
New Zealand	40 (2.3)
Romania	39 (2.5)
United States	39 (1.6)
Thailand	39 (2.2)
Iran, Islamic Rep. of	37 (1.7) ▼
Macedonia, Rep. of	37 (2.5)
Sweden	36 (2.2) ▼
Armenia	35 (2.5) ▼
Tunisia	34 (1.8) ▼
Syrian Arab Republic	33 (3.2) ▼
Georgia	33 (2.3) ▼
Turkey	33 (1.6) ▼
Palestinian Nat'l Auth.	30 (2.2) ▼
Malaysia	28 (2.1) ▼
Jordan	27 (1.8) ▼
Morocco	27 (1.7) ▼
United Arab Emirates	25 (1.2) ▼
Qatar	24 (1.6) ▼
Bahrain	19 (2.3) ▼
Indonesia	18 (1.9) ▼
Oman	17 (1.4) ▼
Chile	17 (1.3) ▼
Ghana	13 (1.3) ▼
Saudi Arabia	12 (1.7) ▼
Ninth Grade Participants	
Botswana	22 (1.8) ▼
South Africa	10 (1.0) ▼
Honduras	4 (0.9) ▼
Benchmarking Participants	
Massachusetts, US	63 (3.4) ▲
Minnesota, US	56 (3.4) ▲
Quebec, Canada	56 (2.1) ▲
Florida, US	53 (4.3) ▲
Ontario, Canada	52 (2.3) ▲
North Carolina, US	46 (2.8)
Connecticut, US	45 (3.3)
Indiana, US	44 (4.0)
Colorado, US	43 (2.8)
Alberta, Canada	35 (2.5) ▼
Dubai, UAE	34 (1.9) ▼
California, US	27 (2.7) ▼
Alabama, US	24 (3.9) ▼
Abu Dhabi, UAE	23 (2.2) ▼

- ▲ Percent significantly higher than international average
- ▼ Percent significantly lower than international average

() Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

SOURCE: IEA's Progress in International Reading Literacy Study – PIRLS 2011

M02_10 (M052408): Value of angle b
Constructed Response (1 Point)

Country	Percent Correct
Japan	86 (1.4) ▲
Korea, Rep. of	85 (1.6) ▲
Singapore	80 (1.3) ▲
Hong Kong SAR	75 (1.8) ▲
Chinese Taipei	49 (2.2) ▲
Russian Federation	48 (2.2) ▲
Kazakhstan	44 (2.4) ▲
Israel	41 (2.3) ▲
Turkey	39 (1.8) ▲
Finland	36 (2.4)
Ukraine	35 (3.0)
Lebanon	34 (2.5)
Slovenia	33 (2.2)
International Avg.	33 (0.3)
Armenia	32 (2.1)
Malaysia	32 (2.1)
Italy	32 (2.1)
England	30 (2.1)
Iran, Islamic Rep. of	29 (1.8)
Thailand	29 (1.9) ▼
Australia	28 (2.2)
Tunisia	28 (1.9) ▼
Lithuania	28 (2.0) ▼
Hungary	27 (1.8) ▼
New Zealand	25 (2.0) ▼
Romania	25 (2.0) ▼
United States	24 (1.2) ▼
Jordan	23 (1.5) ▼
Macedonia, Rep. of	23 (2.6) ▼
United Arab Emirates	22 (1.2) ▼
Sweden	22 (2.0) ▼
Syrian Arab Republic	22 (1.9) ▼
Palestinian Nat'l Auth.	21 (1.8) ▼
Norway	20 (2.2) ▼
Chile	20 (1.6) ▼
Indonesia	20 (1.6) ▼
Ghana	19 (1.8) ▼
Saudi Arabia	18 (1.9) ▼
Bahrain	18 (1.5) ▼
Georgia	18 (1.9) ▼
Qatar	17 (1.5) ▼
Morocco	17 (1.4) ▼
Oman	12 (0.9) ▼
Ninth Grade Participants	
Botswana	17 (1.4) ▼
South Africa	12 (0.9) ▼
Honduras	6 (1.2) ▼
Benchmarking Participants	
Massachusetts, US	39 (3.2)
Minnesota, US	36 (2.8)
Quebec, Canada	35 (2.3)
Ontario, Canada	34 (2.5)
Florida, US	30 (3.4)
Colorado, US	29 (3.0)
Dubai, UAE	27 (1.7) ▼
Indiana, US	25 (3.1) ▼
North Carolina, US	25 (3.0) ▼
Alberta, Canada	23 (1.9) ▼
Alabama, US	21 (3.0) ▼
Connecticut, US	21 (2.5) ▼
Abu Dhabi, UAE	21 (1.8) ▼
California, US	20 (1.8) ▼

- ▲ Percent significantly higher than international average
- ▼ Percent significantly lower than international average

() Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

SOURCE: IEA's Progress in International Reading Literacy Study – PIRLS 2011

M02_11 (M052084): Calculate the area of a square
Multiple Choice (Key is A)

Country	Percent Correct
Singapore	89 (1.5) ▲
Chinese Taipei	83 (1.3) ▲
Hong Kong SAR	82 (2.0) ▲
Italy	78 (2.1) ▲
Korea, Rep. of	78 (1.5) ▲
Japan	66 (2.0) ▲
Israel	66 (2.2) ▲
Russian Federation	62 (2.2) ▲
Sweden	62 (2.0) ▲
Slovenia	60 (2.7) ▲
Lithuania	57 (2.3) ▲
Hungary	55 (2.2) ▲
Australia	54 (2.7) ▲
United States	53 (1.7) ▲
England	51 (2.6)
Armenia	50 (2.3)
Finland	50 (2.6)
Turkey	49 (1.8)
Kazakhstan	48 (2.9)
International Avg.	47 (0.3)
Ukraine	47 (2.6)
Romania	47 (2.4)
Georgia	46 (2.9)
New Zealand	45 (2.6)
Norway	45 (2.8)
Tunisia	43 (1.7) ▼
Macedonia, Rep. of	41 (2.8) ▼
Malaysia	40 (2.2) ▼
Chile	39 (1.6) ▼
United Arab Emirates	39 (1.5) ▼
Iran, Islamic Rep. of	35 (1.9) ▼
Palestinian Nat'l Auth.	34 (2.2) ▼
Syrian Arab Republic	33 (2.4) ▼
Lebanon	31 (2.6) ▼
Qatar	30 (1.9) ▼
Bahrain	29 (2.0) ▼
Indonesia	29 (2.2) ▼
Saudi Arabia	27 (2.1) ▼
Jordan	26 (2.0) ▼
Oman	25 (1.5) ▼
Morocco	23 (1.5) ▼
Ghana	22 (1.8) ▼
Thailand	20 (2.0) ▼
Ninth Grade Participants	
Botswana	24 (1.7) ▼
South Africa	12 (1.1) ▼
Honduras	8 (1.2) ▼
Benchmarking Participants	
Quebec, Canada	77 (1.7) ▲
Massachusetts, US	75 (3.3) ▲
Colorado, US	67 (3.4) ▲
North Carolina, US	66 (3.1) ▲
Ontario, Canada	65 (2.0) ▲
Indiana, US	61 (2.9) ▲
Alberta, Canada	60 (2.2) ▲
Connecticut, US	59 (2.4) ▲
Minnesota, US	57 (3.3) ▲
Florida, US	53 (3.6)
California, US	44 (3.5)
Dubai, UAE	43 (2.2)
Alabama, US	42 (3.8)
Abu Dhabi, UAE	37 (2.8) ▼

- ▲ Percent significantly higher than international average
- ▼ Percent significantly lower than international average

() Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

SOURCE: IEA's Progress in International Reading Literacy Study – PIRLS 2011

M02_12 (M052206): Number of books to fill the box
Constructed Response (1 Point)

Country	Percent Correct
Chinese Taipei	66 (1.8) ▲
Hong Kong SAR	65 (2.1) ▲
Korea, Rep. of	62 (2.0) ▲
Singapore	60 (1.9) ▲
Japan	58 (1.8) ▲
Russian Federation	36 (2.6) ▲
Israel	34 (2.4) ▲
Kazakhstan	33 (2.5) ▲
Lithuania	30 (2.0) ▲
Australia	29 (2.3) ▲
Finland	29 (2.3)
Malaysia	28 (2.1)
Slovenia	28 (2.6)
New Zealand	27 (2.3)
England	26 (2.3)
United States	26 (1.5)
Armenia	25 (2.1)
International Avg.	25 (0.3)
Ukraine	23 (2.7)
Norway	22 (2.0)
Italy	22 (2.1)
Romania	22 (2.1)
Hungary	21 (1.7) ▼
Sweden	20 (1.6) ▼
United Arab Emirates	20 (1.3) ▼
Turkey	20 (1.5) ▼
Thailand	16 (1.5) ▼
Chile	16 (1.5) ▼
Macedonia, Rep. of	16 (2.0) ▼
Georgia	15 (1.7) ▼
Palestinian Nat'l Auth.	14 (1.7) ▼
Bahrain	14 (1.5) ▼
Iran, Islamic Rep. of	14 (1.6) ▼
Qatar	13 (1.5) ▼
Tunisia	12 (1.5) ▼
Saudi Arabia	12 (1.7) ▼
Indonesia	11 (1.5) ▼
Oman	11 (0.9) ▼
Lebanon	11 (1.8) ▼
Jordan	9 (0.9) ▼
Syrian Arab Republic	9 (1.5) ▼
Morocco	8 (1.0) ▼
Ghana	4 (1.0) ▼
Ninth Grade Participants	
Botswana	7 (1.1) ▼
Honduras	7 (1.2) ▼
South Africa	4 (0.5) ▼
Benchmarking Participants	
Massachusetts, US	49 (3.2) ▲
North Carolina, US	46 (3.6) ▲
Indiana, US	45 (3.6) ▲
Ontario, Canada	39 (2.4) ▲
Alberta, Canada	39 (2.4) ▲
Minnesota, US	36 (3.2) ▲
Quebec, Canada	34 (2.1) ▲
Connecticut, US	33 (3.3) ▲
Colorado, US	32 (3.9)
Florida, US	32 (3.6) ▲
Dubai, UAE	26 (2.0)
California, US	22 (2.7)
Abu Dhabi, UAE	19 (1.9) ▼
Alabama, US	18 (2.2) ▼

- ▲ Percent significantly higher than international average
- ▼ Percent significantly lower than international average

() Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

SOURCE: IEA's Progress in International Reading Literacy Study - PIRLS 2011

M02_13 (M052429): Probability that the marble is red
Multiple Choice (Key is A)

Country	Percent Correct
Singapore	78 (1.6) ▲
Korea, Rep. of	76 (1.8) ▲
Australia	75 (2.3) ▲
England	72 (2.1) ▲
Japan	70 (2.1) ▲
Chinese Taipei	70 (1.7) ▲
New Zealand	68 (2.0) ▲
Slovenia	67 (2.3) ▲
United States	66 (1.3) ▲
Finland	66 (2.2) ▲
Sweden	65 (1.7) ▲
Norway	64 (2.6) ▲
Hong Kong SAR	64 (2.1) ▲
Israel	59 (2.2) ▲
Hungary	51 (2.0) ▲
Lithuania	51 (2.6) ▲
Russian Federation	47 (2.5)
International Avg.	45 (0.3)
Turkey	44 (1.6)
Italy	42 (2.5)
Macedonia, Rep. of	41 (2.5)
Romania	39 (2.2) ▼
Armenia	39 (2.3) ▼
Palestinian Nat'l Auth.	38 (2.3) ▼
Ukraine	38 (2.9) ▼
Kazakhstan	38 (2.7) ▼
Thailand	37 (1.9) ▼
United Arab Emirates	36 (1.4) ▼
Indonesia	35 (2.0) ▼
Iran, Islamic Rep. of	35 (1.7) ▼
Saudi Arabia	35 (2.4) ▼
Qatar	34 (2.1) ▼
Georgia	33 (2.8) ▼
Chile	31 (1.7) ▼
Ghana	28 (1.7) ▼
Malaysia	28 (1.8) ▼
Jordan	26 (1.9) ▼
Bahrain	24 (2.1) ▼
Oman	23 (1.5) ▼
Lebanon	21 (1.8) ▼
Tunisia	20 (1.8) ▼
Syrian Arab Republic	18 (2.0) ▼
Morocco	16 (1.3) ▼
Ninth Grade Participants	
Honduras	34 (2.2) ▼
Botswana	33 (1.7) ▼
South Africa	24 (1.3) ▼
Benchmarking Participants	
Massachusetts, US	79 (2.9) ▲
Minnesota, US	78 (2.9) ▲
Connecticut, US	78 (2.8) ▲
Colorado, US	76 (3.2) ▲
Indiana, US	76 (2.9) ▲
North Carolina, US	74 (2.8) ▲
Alberta, Canada	73 (1.8) ▲
Ontario, Canada	73 (2.0) ▲
Quebec, Canada	72 (1.9) ▲
Florida, US	60 (3.8) ▲
California, US	60 (3.3) ▲
Alabama, US	52 (3.7)
Dubai, UAE	45 (1.9)
Abu Dhabi, UAE	34 (2.6) ▼

- ▲ Percent significantly higher than international average
- ▼ Percent significantly lower than international average

() Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

SOURCE: IEA's Progress in International Reading Literacy Study – PIRLS 2011

M02_14A (M052503A): Age structures of country X and Y
Constructed Response (1 Point)

Country	Percent Correct
Korea, Rep. of	79 (1.6) ▲
Russian Federation	41 (2.3) ▲
Singapore	40 (1.8) ▲
Ukraine	39 (2.5) ▲
Hong Kong SAR	34 (2.2) ●
Romania	34 (2.2) ▲
Kazakhstan	32 (2.6) ▲
Japan	29 (2.7) ▲
Turkey	28 (1.6) ▲
Israel	28 (1.8) ▲
Finland	25 (2.0) ▲
Tunisia	25 (1.8) ▲
Bahrain	23 (1.5)
Chinese Taipei	22 (1.7)
International Avg.	21 (0.3)
Indonesia	21 (1.7)
Australia	21 (1.9)
Lithuania	20 (1.7)
Norway	20 (2.1)
United States	18 (1.0) ▼
Syrian Arab Republic	18 (2.0)
Hungary	18 (1.4)
Oman	18 (1.2) ▼
England	17 (1.9)
New Zealand	17 (1.9)
United Arab Emirates	17 (0.9) ▼
Armenia	16 (1.6) ▼
Macedonia, Rep. of	15 (2.0) ▼
Georgia	15 (1.6) ▼
Sweden	15 (1.5) ▼
Thailand	15 (1.4) ▼
Iran, Islamic Rep. of	14 (1.4) ▼
Slovenia	14 (1.7) ▼
Jordan	13 (1.2) ▼
Malaysia	13 (1.4) ▼
Italy	11 (1.4) ▼
Qatar	11 (1.2) ▼
Palestinian Nat'l Auth.	10 (1.4) ▼
Chile	9 (1.0) ▼
Lebanon	9 (1.4) ▼
Morocco	8 (0.9) ▼
Saudi Arabia	5 (0.9) ▼
Ghana	4 (0.8) ▼
Ninth Grade Participants	
Botswana	12 (1.4) ▼
South Africa	9 (0.7) ▼
Honduras	8 (1.3) ▼
Benchmarking Participants	
Massachusetts, US	30 (3.3) ▲
Connecticut, US	26 (3.2)
Minnesota, US	26 (3.0)
Ontario, Canada	25 (2.0)
Dubai, UAE	23 (1.7)
Florida, US	21 (3.2)
Indiana, US	20 (2.4)
Colorado, US	19 (2.8)
Quebec, Canada	19 (2.0)
Abu Dhabi, UAE	18 (1.7)
Alberta, Canada	16 (1.9) ▼
California, US	16 (1.9) ▼
North Carolina, US	15 (2.0) ▼
Alabama, US	15 (1.8) ▼

- ▲ Percent significantly higher than international average
- ▼ Percent significantly lower than international average

() Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

SOURCE: IEA's Progress in International Reading Literacy Study – PIRLS 2011

M02_14B (M052503B): Problem of taking care of elderly
Constructed Response (1 Point)

Country	Percent Correct
Singapore	39 (2.3) ▲
Japan	37 (1.8) ▲
Korea, Rep. of	36 (1.8) ▲
Chinese Taipei	32 (1.9) ▲
Bahrain	30 (2.5) ▲
Kazakhstan	29 (2.6) ▲
Finland	27 (2.3) ▲
Romania	26 (1.7) ▲
Tunisia	25 (2.2) ▲
Russian Federation	24 (2.1) ▲
Hungary	24 (1.8) ▲
Ukraine	23 (2.1) ▲
Australia	20 (1.8)
Israel	20 (1.8)
Turkey	19 (1.4)
United States	18 (1.3)
England	18 (2.1)
Indonesia	18 (2.0)
Hong Kong SAR	18 (1.7)
International Avg.	17 (0.3)
New Zealand	17 (1.5)
Italy	17 (1.8)
Oman	17 (1.2)
Slovenia	17 (1.7)
Jordan	16 (1.5)
Lithuania	14 (1.5)
Sweden	13 (1.2) ▼
Macedonia, Rep. of	13 (1.8) ▼
Syrian Arab Republic	13 (1.7) ▼
Norway	12 (1.6) ▼
Malaysia	11 (1.2) ▼
United Arab Emirates	10 (0.9) ▼
Palestinian Nat'l Auth.	10 (1.2) ▼
Armenia	9 (1.3) ▼
Thailand	8 (1.1) ▼
Georgia	8 (1.2) ▼
Morocco	7 (0.7) ▼
Lebanon	7 (1.3) ▼
Qatar	7 (0.9) ▼
Iran, Islamic Rep. of	6 (0.9) ▼
Chile	5 (0.7) ▼
Saudi Arabia	3 (0.8) ▼
Ghana	2 (0.5) ▼
Ninth Grade Participants	
Honduras	6 (1.1) ▼
South Africa	6 (0.6) ▼
Botswana	5 (0.9) ▼
Benchmarking Participants	
Ontario, Canada	24 (1.7) ▲
Massachusetts, US	23 (2.5) ▲
Minnesota, US	21 (2.4)
Connecticut, US	20 (2.3)
Alberta, Canada	20 (1.9)
Quebec, Canada	20 (1.5)
Colorado, US	19 (2.5)
North Carolina, US	19 (2.3)
Florida, US	17 (2.2)
Indiana, US	16 (2.1)
Alabama, US	15 (2.0)
Abu Dhabi, UAE	12 (1.3) ▼
California, US	11 (2.1) ▼
Dubai, UAE	11 (1.6) ▼

- ▲ Percent significantly higher than international average
- ▼ Percent significantly lower than international average

() Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

SOURCE: IEA's Progress in International Reading Literacy Study – PIRLS 2011

M03_01 (M042032): Equivalent fraction for 0.125
Multiple Choice (Key is B)

Country	Percent Correct
Korea, Rep. of	97 (0.6) ▲
Singapore	93 (0.9) ▲
Chinese Taipei	91 (1.0) ▲
Lebanon	89 (1.6) ▲
Hong Kong SAR	87 (1.7) ▲
Russian Federation	86 (1.5) ▲
Slovenia	80 (1.9) ▲
Japan	80 (1.8) ▲
Kazakhstan	79 (2.0) ▲
Finland	78 (1.9) ▲
United States	76 (1.2) ▲
Tunisia	75 (1.8) ▲
Lithuania	75 (2.0) ▲
Hungary	74 (1.7) ▲
Malaysia	73 (2.0)
Italy	73 (1.8)
Sweden	73 (1.6) ▲
Armenia	72 (2.0)
Israel	72 (1.9)
Ukraine	70 (2.5)
International Avg.	70 (0.3)
Palestinian Nat'l Auth.	67 (1.9)
United Arab Emirates	67 (1.2)
Morocco	67 (1.8)
Australia	67 (1.8)
Romania	66 (2.4)
Jordan	66 (2.0)
Saudi Arabia	65 (2.5) ▼
Georgia	64 (2.6) ▼
Thailand	64 (2.2) ▼
England	62 (2.3) ▼
Macedonia, Rep. of	62 (2.5) ▼
Bahrain	61 (1.9) ▼
Qatar	59 (2.1) ▼
Turkey	59 (1.8) ▼
Iran, Islamic Rep. of	58 (2.1) ▼
New Zealand	58 (2.5) ▼
Norway	58 (2.7) ▼
Syrian Arab Republic	56 (2.7) ▼
Chile	54 (1.9) ▼
Oman	54 (1.8) ▼
Indonesia	53 (2.0) ▼
Ghana	46 (1.6) ▼
Ninth Grade Participants	
South Africa	54 (1.5) ▼
Botswana	44 (1.7) ▼
Honduras	43 (2.4) ▼
Benchmarking Participants	
North Carolina, US	85 (2.4) ▲
Massachusetts, US	84 (2.4) ▲
Indiana, US	83 (1.9) ▲
Quebec, Canada	82 (1.5) ▲
Minnesota, US	81 (2.1) ▲
Connecticut, US	80 (2.6) ▲
Alberta, Canada	78 (2.0) ▲
Florida, US	76 (3.3)
California, US	73 (2.7)
Ontario, Canada	73 (1.9)
Colorado, US	71 (2.7)
Dubai, UAE	69 (2.0)
Abu Dhabi, UAE	67 (1.9)
Alabama, US	66 (3.0)

- ▲ Percent significantly higher than international average
- ▼ Percent significantly lower than international average

() Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

SOURCE: IEA's Progress in International Reading Literacy Study – PIRLS 2011

M03_02 (M042031): Equivalent expression
Multiple Choice (Key is A)

Country	Percent Correct
Korea, Rep. of	88 (1.3) ▲
Singapore	83 (1.6) ▲
Chinese Taipei	82 (1.4) ▲
Hong Kong SAR	78 (1.6) ▲
Japan	66 (2.1) ▲
Israel	63 (2.1) ▲
Russian Federation	62 (2.6) ▲
Slovenia	56 (2.1) ▲
United States	55 (1.6) ▲
Finland	55 (2.2) ▲
United Arab Emirates	54 (1.4) ▲
Lithuania	54 (2.6)
Saudi Arabia	54 (2.4)
Armenia	53 (2.3)
Kazakhstan	53 (2.9)
Sweden	52 (2.1)
Romania	51 (2.1)
Lebanon	51 (2.3)
International Avg.	50 (0.3)
Malaysia	49 (2.1)
Hungary	49 (1.9)
Italy	48 (2.4)
Chile	47 (2.1)
Macedonia, Rep. of	45 (2.6)
Australia	45 (2.2) ▼
Ukraine	44 (2.9) ▼
England	43 (2.5) ▼
Qatar	43 (2.2) ▼
Palestinian Nat'l Auth.	43 (2.2) ▼
Syrian Arab Republic	42 (2.5) ▼
Tunisia	42 (2.2) ▼
Bahrain	42 (2.2) ▼
New Zealand	41 (2.6) ▼
Norway	40 (2.6) ▼
Turkey	40 (1.7) ▼
Georgia	39 (2.6) ▼
Oman	39 (1.6) ▼
Thailand	38 (2.0) ▼
Iran, Islamic Rep. of	35 (2.2) ▼
Jordan	34 (1.8) ▼
Morocco	34 (1.6) ▼
Ghana	32 (1.8) ▼
Indonesia	31 (1.9) ▼
Ninth Grade Participants	
South Africa	33 (1.5) ▼
Botswana	30 (2.0) ▼
Honduras	29 (2.1) ▼
Benchmarking Participants	
North Carolina, US	79 (3.1) ▲
Quebec, Canada	74 (1.8) ▲
Minnesota, US	71 (3.6) ▲
Massachusetts, US	68 (3.6) ▲
Florida, US	59 (2.8) ▲
Connecticut, US	57 (3.0) ▲
Colorado, US	56 (3.2)
Indiana, US	54 (3.6)
Dubai, UAE	54 (1.9) ▲
Ontario, Canada	54 (1.8) ▲
Alberta, Canada	53 (2.6)
California, US	49 (2.6)
Abu Dhabi, UAE	46 (2.6)
Alabama, US	43 (4.0)

- ▲ Percent significantly higher than international average
- ▼ Percent significantly lower than international average

() Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

SOURCE: IEA's Progress in International Reading Literacy Study – PIRLS 2011

M03_03 (M042186): Next line in the pattern
Constructed Response (1 Point)

Country	Percent Correct
Singapore	80 (1.8) ▲
Hong Kong SAR	80 (1.9) ▲
Chinese Taipei	79 (1.5) ▲
Korea, Rep. of	74 (1.6) ▲
Japan	70 (2.2) ▲
Israel	67 (2.3) ▲
Russian Federation	61 (2.5) ▲
United States	58 (1.8) ▲
Armenia	58 (2.1) ▲
Australia	57 (2.0) ▲
England	57 (2.6) ▲
Hungary	52 (2.3) ▲
Slovenia	51 (2.7) ▲
New Zealand	50 (2.8) ▲
United Arab Emirates	49 (1.5) ▲
Finland	49 (2.3) ▲
Lithuania	48 (2.2) ▲
Romania	45 (2.2)
International Avg.	42 (0.3)
Italy	42 (1.9)
Kazakhstan	42 (2.9)
Bahrain	41 (2.1)
Ukraine	40 (3.1)
Macedonia, Rep. of	40 (3.1)
Jordan	39 (2.1)
Norway	39 (2.4)
Sweden	34 (1.7) ▼
Malaysia	33 (2.4) ▼
Turkey	33 (1.7) ▼
Qatar	30 (2.7) ▼
Georgia	27 (2.3) ▼
Oman	27 (1.6) ▼
Lebanon	27 (2.4) ▼
Iran, Islamic Rep. of	24 (1.8) ▼
Thailand	24 (1.9) ▼
Chile	21 (1.9) ▼
Palestinian Nat'l Auth.	21 (1.9) ▼
Saudi Arabia	21 (2.2) ▼
Tunisia	17 (1.8) ▼
Syrian Arab Republic	16 (1.7) ▼
Ghana	14 (1.5) ▼
Morocco	12 (1.1) ▼
Indonesia	4 (1.2) ▼
Ninth Grade Participants	
Botswana	21 (1.7) ▼
South Africa	17 (1.3) ▼
Honduras	9 (1.6) ▼
Benchmarking Participants	
Minnesota, US	74 (2.5) ▲
Massachusetts, US	72 (2.4) ▲
North Carolina, US	69 (3.0) ▲
Quebec, Canada	65 (2.1) ▲
Indiana, US	64 (2.9) ▲
Florida, US	62 (4.1) ▲
California, US	59 (3.0) ▲
Ontario, Canada	58 (2.0) ▲
Alberta, Canada	57 (2.6) ▲
Connecticut, US	55 (2.7) ▲
Colorado, US	55 (3.2) ▲
Dubai, UAE	54 (2.4) ▲
Abu Dhabi, UAE	47 (2.5) ▲
Alabama, US	42 (3.5)

- ▲ Percent significantly higher than international average
- ▼ Percent significantly lower than international average

() Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

SOURCE: IEA's Progress in International Reading Literacy Study - PIRLS 2011

M03_04 (M042059): Complete the missing boxes
Constructed Response (2 Points)

Country	Percent Full Credit	Percent at Least 1 Point
Singapore	89 (1.2) ▲	94 (1.0) ▲
Korea, Rep. of	76 (1.9) ▲	84 (1.7) ▲
Hong Kong SAR	76 (2.4) ▲	88 (1.8) ▲
Chinese Taipei	69 (1.7) ▲	81 (1.5) ▲
Japan	57 (2.2) ▲	75 (1.8) ▲
Israel	57 (2.1) ▲	76 (1.8) ▲
Russian Federation	55 (2.1) ▲	67 (2.0) ▲
United States	54 (1.5) ▲	76 (1.5) ▲
Australia	53 (2.6) ▲	79 (2.3) ▲
Lithuania	53 (1.9) ▲	72 (1.9) ▲
Sweden	51 (1.8) ▲	82 (1.5) ▲
Finland	50 (2.4) ▲	80 (1.7) ▲
Slovenia	49 (2.2) ▲	71 (1.8) ▲
England	48 (3.0) ▲	79 (2.2) ▲
New Zealand	46 (2.8) ▲	74 (2.6) ▲
Hungary	46 (2.5) ▲	65 (2.3) ▲
Italy	46 (2.3) ▲	64 (2.4) ▲
Norway	42 (2.4)	79 (2.1) ▲
Malaysia	42 (2.3)	54 (2.4)
International Avg.	37 (0.3)	55 (0.3)
United Arab Emirates	37 (1.4)	56 (1.3)
Kazakhstan	36 (2.5)	49 (2.6) ▼
Lebanon	35 (2.5)	51 (2.4)
Armenia	34 (2.2)	43 (2.2) ▼
Turkey	33 (1.6) ▼	51 (1.8) ▼
Ukraine	33 (2.7)	51 (2.9)
Romania	26 (1.8) ▼	47 (1.9) ▼
Chile	26 (1.5) ▼	47 (1.8) ▼
Qatar	24 (1.4) ▼	43 (2.3) ▼
Macedonia, Rep. of	22 (2.0) ▼	41 (2.2) ▼
Bahrain	22 (1.7) ▼	40 (1.9) ▼
Iran, Islamic Rep. of	22 (2.0) ▼	37 (2.2) ▼
Indonesia	20 (1.9) ▼	33 (2.1) ▼
Georgia	20 (2.0) ▼	36 (2.3) ▼
Tunisia	19 (1.7) ▼	42 (2.0) ▼
Thailand	18 (2.1) ▼	32 (2.3) ▼
Palestinian Nat'l Auth.	18 (1.8) ▼	33 (2.3) ▼
Syrian Arab Republic	17 (1.9) ▼	35 (2.5) ▼
Saudi Arabia	12 (1.6) ▼	29 (2.6) ▼
Morocco	11 (0.8) ▼	21 (1.3) ▼
Jordan	11 (1.2) ▼	26 (1.7) ▼
Oman	10 (1.0) ▼	19 (1.1) ▼
Ghana	8 (1.2) ▼	17 (1.7) ▼
Ninth Grade Participants		
Botswana	47 (2.0) ▲	65 (1.9) ▲
South Africa	18 (1.0) ▼	31 (1.4) ▼
Honduras	11 (1.3) ▼	31 (2.1) ▼
Benchmarking Participants		
Quebec, Canada	81 (1.8) ▲	92 (1.1) ▲
Massachusetts, US	79 (2.5) ▲	90 (2.4) ▲
Minnesota, US	77 (2.7) ▲	88 (1.9) ▲
Alberta, Canada	75 (2.3) ▲	88 (1.8) ▲
Ontario, Canada	68 (2.1) ▲	87 (1.3) ▲
North Carolina, US	62 (3.2) ▲	82 (2.6) ▲
Connecticut, US	59 (2.8) ▲	81 (2.1) ▲
Indiana, US	59 (3.6) ▲	83 (2.5) ▲
Florida, US	58 (4.0) ▲	81 (2.2) ▲
Colorado, US	51 (3.5) ▲	77 (2.6) ▲
Dubai, UAE	46 (1.8) ▲	63 (2.5) ▲
California, US	41 (3.1)	69 (2.9) ▲
Abu Dhabi, UAE	34 (2.6)	52 (2.3)
Alabama, US	31 (4.4)	60 (4.3)

- ▲ Percent significantly higher than international average
- ▼ Percent significantly lower than international average

() Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

SOURCE: IEA's Progress in International Reading Literacy Study – PIRLS 2011

M03_05 (M042236): Simplify the expression
Multiple Choice (Key is C)

Country	Percent Correct
Singapore	93 (1.1) ▲
Hong Kong SAR	88 (1.7) ▲
Japan	87 (1.5) ▲
Korea, Rep. of	85 (1.4) ▲
Chinese Taipei	84 (1.4) ▲
Russian Federation	81 (1.7) ▲
Lebanon	70 (2.5) ▲
Finland	67 (2.4) ▲
Armenia	64 (2.3) ▲
Kazakhstan	64 (2.4) ▲
Hungary	63 (2.2) ▲
Italy	62 (2.6) ▲
Lithuania	62 (2.1) ▲
Israel	62 (2.4) ▲
Slovenia	62 (2.5) ▲
Romania	60 (2.7)
United States	58 (1.9)
England	57 (3.0)
Australia	56 (2.2)
Ukraine	56 (3.3)
International Avg.	56 (0.3)
New Zealand	56 (2.6)
Malaysia	51 (2.3) ▼
Sweden	51 (1.8) ▼
Indonesia	50 (2.3) ▼
Qatar	49 (2.8) ▼
Turkey	48 (1.6) ▼
United Arab Emirates	46 (1.3) ▼
Macedonia, Rep. of	46 (2.4) ▼
Georgia	45 (2.6) ▼
Syrian Arab Republic	45 (2.3) ▼
Norway	45 (2.7) ▼
Jordan	44 (2.0) ▼
Morocco	43 (1.5) ▼
Ghana	42 (1.9) ▼
Palestinian Nat'l Auth.	42 (2.1) ▼
Iran, Islamic Rep. of	41 (1.9) ▼
Tunisia	41 (2.2) ▼
Thailand	40 (2.1) ▼
Bahrain	38 (1.9) ▼
Oman	36 (1.7) ▼
Chile	35 (1.9) ▼
Saudi Arabia	26 (1.9) ▼
Ninth Grade Participants	
Botswana	37 (1.7) ▼
South Africa	32 (1.7) ▼
Honduras	27 (2.2) ▼
Benchmarking Participants	
Quebec, Canada	68 (2.0) ▲
California, US	68 (3.3) ▲
North Carolina, US	68 (3.3) ▲
Massachusetts, US	65 (3.8) ▲
Minnesota, US	64 (3.1) ▲
Dubai, UAE	61 (1.9) ▲
Colorado, US	59 (2.8)
Indiana, US	56 (3.9)
Connecticut, US	53 (3.5)
Florida, US	51 (3.8)
Alabama, US	46 (3.6) ▼
Abu Dhabi, UAE	41 (2.6) ▼
Ontario, Canada	41 (2.1) ▼
Alberta, Canada	32 (2.1) ▼

- ▲ Percent significantly higher than international average
- ▼ Percent significantly lower than international average

() Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

SOURCE: IEA's Progress in International Reading Literacy Study – PIRLS 2011

M03_06 (M042226): What is the value P
Constructed Response (1 Point)

Country	Percent Correct
Singapore	88 (1.4) ▲
Hong Kong SAR	87 (1.6) ▲
Russian Federation	83 (1.6) ▲
Korea, Rep. of	81 (1.5) ▲
Chinese Taipei	77 (1.6) ▲
Japan	72 (2.1) ▲
United States	70 (1.7) ▲
Kazakhstan	69 (2.2) ▲
Armenia	62 (2.3) ▲
Lebanon	57 (3.1) ▲
Ukraine	56 (2.9) ▲
Israel	54 (2.5) ▲
United Arab Emirates	53 (1.4) ▲
Romania	52 (2.2) ▲
Lithuania	50 (2.4) ▲
Slovenia	49 (2.3) ▲
Macedonia, Rep. of	47 (3.3)
Australia	46 (2.4)
Hungary	46 (2.1)
Italy	46 (2.8)
International Avg.	44 (0.3)
England	40 (3.0)
Qatar	39 (3.2)
Georgia	39 (2.4) ▼
Bahrain	38 (2.4) ▼
Saudi Arabia	37 (2.4) ▼
Finland	36 (2.7) ▼
Palestinian Nat'l Auth.	36 (2.4) ▼
Jordan	35 (2.2) ▼
New Zealand	30 (3.0) ▼
Turkey	29 (1.8) ▼
Oman	28 (1.6) ▼
Malaysia	28 (2.1) ▼
Syrian Arab Republic	28 (2.5) ▼
Iran, Islamic Rep. of	27 (2.0) ▼
Indonesia	23 (2.0) ▼
Tunisia	22 (2.1) ▼
Thailand	21 (1.9) ▼
Morocco	17 (1.1) ▼
Sweden	16 (1.5) ▼
Chile	11 (1.2) ▼
Ghana	10 (1.4) ▼
Norway	7 (1.1) ▼
Ninth Grade Participants	
Botswana	12 (1.3) ▼
South Africa	7 (0.9) ▼
Honduras	7 (1.7) ▼
Benchmarking Participants	
North Carolina, US	83 (2.8) ▲
Minnesota, US	83 (2.4) ▲
Massachusetts, US	81 (2.2) ▲
Indiana, US	77 (2.2) ▲
Florida, US	76 (3.1) ▲
California, US	70 (2.5) ▲
Alabama, US	65 (3.1) ▲
Connecticut, US	62 (3.4) ▲
Colorado, US	60 (3.4) ▲
Dubai, UAE	57 (2.3) ▲
Quebec, Canada	50 (2.4) ▲
Abu Dhabi, UAE	49 (2.5) ▲
Ontario, Canada	48 (2.5)
Alberta, Canada	41 (2.8)

- ▲ Percent significantly higher than international average
- ▼ Percent significantly lower than international average

() Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

SOURCE: IEA's Progress in International Reading Literacy Study – PIRLS 2011

M03_07 (M042103): Solve the inequality
Constructed Response (1 Point)

Country	Percent Correct
Korea, Rep. of	60 (2.3) ▲
Chinese Taipei	52 (2.0) ▲
Armenia	47 (2.5) ▲
Russian Federation	46 (3.0) ▲
Singapore	44 (1.9) ▲
Israel	41 (2.5) ▲
Lebanon	40 (3.0) ▲
Hungary	38 (2.3) ▲
Kazakhstan	38 (2.6) ▲
Romania	34 (2.4) ▲
Macedonia, Rep. of	26 (2.9) ▲
Georgia	23 (2.1) ▲
Lithuania	23 (1.9) ▲
United States	21 (1.6) ▲
International Avg.	17 (0.3)
Hong Kong SAR	16 (2.0)
Oman	15 (1.4)
Bahrain	13 (1.1) ▼
Ghana	13 (1.6) ▼
Morocco	13 (1.2) ▼
Turkey	10 (1.3) ▼
Japan	9 (1.2) ▼
Jordan	9 (1.0) ▼
Finland	8 (1.4) ▼
Australia	8 (1.7) ▼
United Arab Emirates	7 (0.8) ▼
Syrian Arab Republic	7 (1.2) ▼
Qatar	6 (1.3) ▼
Ukraine	6 (1.7) ▼
England	5 (1.3) ▼
Italy	5 (0.9) ▼
Palestinian Nat'l Auth.	4 (0.9) ▼
Saudi Arabia	4 (1.0) ▼
Indonesia	3 (1.1) ▼
Malaysia	3 (0.8) ▼
New Zealand	2 (0.9) ▼
Thailand	2 (0.5) ▼
Slovenia	2 (0.8) ▼
Norway	1 (0.5) ▼
Tunisia	1 (0.6) ▼
Chile	1 (0.2) ▼
Iran, Islamic Rep. of	0 (0.2) ▼
Sweden	- -
Ninth Grade Participants	
Honduras	3 (1.4) ▼
Botswana	1 (0.4) ▼
South Africa	1 (0.2) ▼
Benchmarking Participants	
North Carolina, US	38 (4.4) ▲
California, US	35 (3.8) ▲
Minnesota, US	33 (3.2) ▲
Massachusetts, US	33 (4.8) ▲
Indiana, US	33 (3.4) ▲
Connecticut, US	22 (2.4) ▲
Florida, US	19 (3.2)
Colorado, US	13 (2.3)
Dubai, UAE	10 (1.1) ▼
Alabama, US	9 (2.0) ▼
Abu Dhabi, UAE	8 (1.5) ▼
Quebec, Canada	1 (0.4) ▼
Ontario, Canada	1 (0.3) ▼
Alberta, Canada	0 (0.2) ▼

- ▲ Percent significantly higher than international average
- ▼ Percent significantly lower than international average

() Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

SOURCE: IEA's Progress in International Reading Literacy Study – PIRLS 2011

M03_08 (M042086): What is the value of $2a + 2b + 4$
Constructed Response (1 Point)

Country	Percent Correct
Singapore	76 (2.1) ▲
Chinese Taipei	75 (1.7) ▲
Korea, Rep. of	68 (2.2) ▲
Hong Kong SAR	65 (2.2) ▲
Russian Federation	54 (2.3) ▲
Hungary	47 (2.2) ▲
Sweden	44 (2.0) ▲
Japan	43 (2.0) ▲
England	42 (3.3) ▲
Israel	42 (2.3) ▲
Kazakhstan	40 (2.9) ▲
Armenia	36 (2.2) ▲
Italy	34 (2.3)
Romania	34 (2.2)
Australia	34 (2.2)
New Zealand	33 (2.4)
Slovenia	33 (2.1)
United States	33 (1.7)
Georgia	33 (2.6)
International Avg.	32 (0.3)
Lebanon	32 (2.5)
Finland	32 (2.3)
Lithuania	31 (1.9)
Turkey	30 (1.6)
Norway	29 (2.6)
United Arab Emirates	27 (1.4) ▼
Macedonia, Rep. of	27 (2.5) ▼
Ukraine	26 (2.5) ▼
Chile	22 (1.7) ▼
Malaysia	22 (2.1) ▼
Palestinian Nat'l Auth.	20 (1.7) ▼
Syrian Arab Republic	19 (2.3) ▼
Thailand	18 (1.7) ▼
Tunisia	17 (1.7) ▼
Qatar	17 (1.7) ▼
Jordan	16 (1.2) ▼
Bahrain	16 (1.9) ▼
Morocco	14 (1.2) ▼
Oman	13 (1.2) ▼
Iran, Islamic Rep. of	13 (1.6) ▼
Saudi Arabia	12 (1.5) ▼
Indonesia	12 (1.8) ▼
Ghana	6 (1.0) ▼
Ninth Grade Participants	
Botswana	12 (1.4) ▼
South Africa	6 (0.8) ▼
Honduras	3 (1.0) ▼
Benchmarking Participants	
Massachusetts, US	56 (4.0) ▲
Minnesota, US	47 (4.0) ▲
North Carolina, US	42 (4.0) ▲
Quebec, Canada	42 (2.0) ▲
Ontario, Canada	40 (2.2) ▲
Connecticut, US	38 (3.5)
Indiana, US	37 (3.3)
Alberta, Canada	36 (2.2)
Colorado, US	36 (3.3)
Dubai, UAE	33 (2.1)
California, US	28 (2.5)
Alabama, US	25 (3.5) ▼
Florida, US	25 (2.9) ▼
Abu Dhabi, UAE	24 (2.3) ▼

- ▲ Percent significantly higher than international average
- ▼ Percent significantly lower than international average

() Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

SOURCE: IEA's Progress in International Reading Literacy Study – PIRLS 2011

M03_09 (M042228): Value of x in the pattern
Constructed Response (1 Point)

Country	Percent Correct
Korea, Rep. of	77 (1.7) ▲
Singapore	66 (2.0) ▲
Chinese Taipei	63 (2.0) ▲
England	58 (2.7) ▲
Finland	58 (2.3) ▲
Japan	57 (1.9) ▲
Hong Kong SAR	55 (2.5) ▲
Turkey	51 (2.0) ▲
Italy	44 (2.3) ▲
Israel	43 (2.0) ▲
Hungary	43 (2.0) ▲
Norway	42 (2.5) ▲
New Zealand	42 (2.4) ▲
Australia	41 (2.5) ▲
Sweden	40 (1.9) ▲
Russian Federation	39 (2.5)
Lithuania	38 (2.4)
Kazakhstan	38 (2.9)
Slovenia	37 (2.2)
United States	37 (1.7)
Macedonia, Rep. of	36 (2.7)
International Avg.	35 (0.3)
Chile	35 (2.0)
Armenia	33 (2.2)
United Arab Emirates	28 (1.4) ▼
Romania	28 (1.8) ▼
Lebanon	27 (2.4) ▼
Ukraine	27 (2.6) ▼
Palestinian Nat'l Auth.	27 (2.3) ▼
Iran, Islamic Rep. of	27 (2.1) ▼
Indonesia	27 (2.6) ▼
Thailand	24 (1.9) ▼
Georgia	22 (1.9) ▼
Tunisia	21 (1.9) ▼
Malaysia	20 (1.6) ▼
Qatar	19 (2.2) ▼
Morocco	18 (1.2) ▼
Bahrain	18 (1.4) ▼
Oman	15 (1.3) ▼
Jordan	15 (1.5) ▼
Saudi Arabia	13 (1.7) ▼
Syrian Arab Republic	12 (1.8) ▼
Ghana	10 (1.3) ▼
Ninth Grade Participants	
Botswana	23 (1.8) ▼
South Africa	11 (0.8) ▼
Honduras	7 (1.3) ▼
Benchmarking Participants	
Massachusetts, US	50 (2.6) ▲
North Carolina, US	50 (4.3) ▲
Quebec, Canada	47 (2.2) ▲
Minnesota, US	45 (3.7) ▲
Colorado, US	43 (3.9) ▲
Connecticut, US	43 (3.6) ▲
Ontario, Canada	43 (2.0) ▲
Indiana, US	40 (3.0)
Florida, US	39 (3.9)
Alberta, Canada	38 (2.2)
California, US	35 (2.8)
Dubai, UAE	33 (2.0)
Abu Dhabi, UAE	28 (2.3) ▼
Alabama, US	26 (3.7) ▼

- ▲ Percent significantly higher than international average
- ▼ Percent significantly lower than international average

() Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

SOURCE: IEA's Progress in International Reading Literacy Study - PIRLS 2011

M03_10 (M042245): Equation that satisfy number pairs
Multiple Choice (Key is D)

Country	Percent Correct
Chinese Taipei	66 (2.0) ▲
Korea, Rep. of	64 (2.0) ▲
Russian Federation	53 (2.4) ▲
Singapore	52 (2.3) ▲
Japan	48 (2.3) ▲
Hong Kong SAR	47 (2.3) ▲
Israel	38 (2.6) ▲
United States	38 (1.6) ▲
Turkey	33 (1.9) ▲
Romania	31 (1.9) ▲
Kazakhstan	31 (2.8)
Macedonia, Rep. of	30 (2.3)
Ukraine	29 (2.7)
Hungary	29 (1.8)
Italy	28 (2.0)
Armenia	27 (2.2)
International Avg.	26 (0.3)
Georgia	26 (1.9)
Jordan	25 (1.9)
England	24 (2.3)
Finland	24 (2.2)
Slovenia	24 (2.0)
Australia	22 (2.1)
United Arab Emirates	22 (1.3) ▼
Lithuania	21 (1.7) ▼
Qatar	20 (1.9) ▼
New Zealand	20 (2.2) ▼
Iran, Islamic Rep. of	20 (1.8) ▼
Palestinian Nat'l Auth.	19 (2.0) ▼
Thailand	19 (1.6) ▼
Saudi Arabia	18 (1.5) ▼
Ghana	17 (1.5) ▼
Oman	17 (1.4) ▼
Bahrain	16 (1.5) ▼
Malaysia	16 (1.5) ▼
Tunisia	15 (1.6) ▼
Syrian Arab Republic	15 (1.8) ▼
Indonesia	14 (1.5) ▼
Chile	11 (1.1) ▼
Lebanon	11 (1.4) ▼
Morocco	10 (0.8) ▼
Norway	10 (1.4) ▼
Sweden	8 (1.0) ▼
Ninth Grade Participants	
Botswana	17 (1.4) ▼
Honduras	11 (1.5) ▼
South Africa	10 (0.9) ▼
Benchmarking Participants	
North Carolina, US	49 (4.1) ▲
Massachusetts, US	45 (4.0) ▲
California, US	43 (3.0) ▲
Minnesota, US	41 (3.3) ▲
Indiana, US	39 (3.2) ▲
Connecticut, US	38 (3.3) ▲
Florida, US	36 (3.7) ▲
Colorado, US	36 (2.8) ▲
Alabama, US	29 (3.6)
Dubai, UAE	24 (2.5)
Alberta, Canada	24 (1.7)
Abu Dhabi, UAE	21 (1.7) ▼
Ontario, Canada	20 (1.8) ▼
Quebec, Canada	20 (1.5) ▼

- ▲ Percent significantly higher than international average
- ▼ Percent significantly lower than international average

() Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

SOURCE: IEA's Progress in International Reading Literacy Study – PIRLS 2011

M03_11 (M042270): Draw an isosceles triangle
Constructed Response (1 Point)

Country	Percent Correct
Japan	85 (1.7) ▲
Korea, Rep. of	84 (1.3) ▲
Hong Kong SAR	82 (1.4) ▲
Chinese Taipei	82 (1.4) ▲
Italy	81 (1.9) ▲
Russian Federation	75 (2.3) ▲
Singapore	72 (2.2) ▲
Hungary	68 (2.3) ▲
Kazakhstan	65 (2.5) ▲
Slovenia	63 (2.5) ▲
Sweden	60 (2.1) ▲
Ukraine	60 (3.0) ▲
Romania	59 (2.1) ▲
Lebanon	58 (2.6) ▲
Lithuania	57 (2.4) ▲
Israel	56 (2.6) ▲
Norway	53 (2.7)
Finland	52 (2.6)
Tunisia	51 (2.2)
Morocco	50 (1.6)
Armenia	49 (2.3)
International Avg.	48 (0.3)
New Zealand	46 (2.1)
Macedonia, Rep. of	43 (2.4) ▼
Australia	41 (2.3) ▼
Palestinian Nat'l Auth.	40 (2.1) ▼
England	40 (2.6) ▼
Malaysia	39 (2.3) ▼
Turkey	39 (1.9) ▼
Indonesia	39 (2.3) ▼
Chile	39 (2.4) ▼
Georgia	38 (2.8) ▼
Syrian Arab Republic	33 (2.9) ▼
Jordan	32 (1.7) ▼
Iran, Islamic Rep. of	30 (2.0) ▼
Thailand	30 (2.2) ▼
Oman	27 (1.4) ▼
United States	27 (1.4) ▼
Bahrain	27 (1.7) ▼
United Arab Emirates	26 (1.3) ▼
Qatar	17 (1.9) ▼
Saudi Arabia	10 (1.3) ▼
Ghana	9 (1.2) ▼
Ninth Grade Participants	
Honduras	14 (1.6) ▼
Botswana	12 (1.3) ▼
South Africa	10 (1.0) ▼
Benchmarking Participants	
Quebec, Canada	62 (2.1) ▲
Ontario, Canada	48 (2.4)
Massachusetts, US	43 (3.0) ▼
Connecticut, US	36 (3.3) ▼
North Carolina, US	35 (3.9) ▼
Minnesota, US	35 (3.2) ▼
Alberta, Canada	32 (1.9) ▼
Colorado, US	29 (2.7) ▼
Abu Dhabi, UAE	29 (2.4) ▼
Indiana, US	27 (2.7) ▼
Florida, US	26 (3.5) ▼
Dubai, UAE	26 (1.3) ▼
California, US	25 (2.5) ▼
Alabama, US	14 (2.7) ▼

- ▲ Percent significantly higher than international average
- ▼ Percent significantly lower than international average

() Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

SOURCE: IEA's Progress in International Reading Literacy Study – PIRLS 2011

M03_12 (M042201): Length of the rectangular box
Constructed Response (1 Point)

Country	Percent Correct
Singapore	92 (1.2) ▲
Chinese Taipei	89 (1.1) ▲
Hong Kong SAR	87 (1.5) ▲
Japan	79 (1.7) ▲
Korea, Rep. of	78 (1.6) ▲
Russian Federation	65 (2.4) ▲
United States	58 (1.6) ▲
Kazakhstan	56 (2.5) ▲
Slovenia	56 (1.8) ▲
Lithuania	55 (2.3) ▲
Israel	54 (2.4) ▲
Australia	53 (2.7) ▲
Finland	51 (2.3) ▲
England	49 (3.5)
Norway	48 (2.7)
New Zealand	48 (2.9)
Italy	44 (2.2)
Romania	44 (2.4)
United Arab Emirates	44 (1.4)
Hungary	44 (2.4)
International Avg.	43 (0.3)
Ukraine	43 (3.2)
Armenia	42 (2.5)
Malaysia	42 (2.4)
Macedonia, Rep. of	38 (2.5) ▼
Turkey	35 (2.0) ▼
Indonesia	35 (2.5) ▼
Sweden	33 (2.0) ▼
Palestinian Nat'l Auth.	33 (2.2) ▼
Georgia	32 (2.4) ▼
Thailand	30 (2.1) ▼
Iran, Islamic Rep. of	28 (2.2) ▼
Lebanon	28 (2.4) ▼
Bahrain	27 (2.1) ▼
Qatar	26 (2.0) ▼
Chile	25 (1.5) ▼
Tunisia	22 (1.8) ▼
Jordan	22 (1.8) ▼
Oman	21 (1.4) ▼
Saudi Arabia	20 (1.8) ▼
Morocco	19 (1.3) ▼
Syrian Arab Republic	18 (2.3) ▼
Ghana	17 (1.7) ▼
Ninth Grade Participants	
Botswana	32 (1.7) ▼
South Africa	17 (1.0) ▼
Honduras	14 (1.7) ▼
Benchmarking Participants	
Massachusetts, US	80 (2.7) ▲
North Carolina, US	75 (3.0) ▲
Minnesota, US	72 (3.2) ▲
Indiana, US	68 (3.2) ▲
Connecticut, US	67 (2.8) ▲
Ontario, Canada	66 (2.2) ▲
Colorado, US	64 (3.2) ▲
Alberta, Canada	58 (2.9) ▲
Florida, US	58 (4.9) ▲
California, US	56 (2.7) ▲
Quebec, Canada	51 (2.1) ▲
Dubai, UAE	50 (1.7) ▲
Abu Dhabi, UAE	42 (2.4)
Alabama, US	41 (3.3)

- ▲ Percent significantly higher than international average
- ▼ Percent significantly lower than international average

() Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

SOURCE: IEA's Progress in International Reading Literacy Study – PIRLS 2011

M03_13 (M042152): Half-turn around point O
Multiple Choice (Key is D)

Country	Percent Correct
Korea, Rep. of	79 (1.7) ▲
Japan	73 (1.8) ▲
Hong Kong SAR	71 (2.0) ▲
Finland	66 (2.2) ▲
Chinese Taipei	64 (1.6) ▲
New Zealand	63 (2.2) ▲
Hungary	62 (2.1) ▲
Singapore	62 (1.6) ▲
Slovenia	58 (2.0) ▲
England	56 (2.2) ▲
Australia	55 (2.6) ▲
Italy	52 (2.4) ▲
Ukraine	52 (3.4)
Israel	51 (2.1) ▲
Sweden	50 (2.1) ▲
Norway	48 (2.5)
Russian Federation	48 (1.8)
International Avg.	45 (0.3)
Lithuania	45 (2.5)
Thailand	44 (2.0)
Malaysia	44 (1.9)
Saudi Arabia	43 (2.1)
United Arab Emirates	42 (1.2) ▼
Jordan	40 (1.9) ▼
Georgia	40 (2.3) ▼
Indonesia	40 (2.0) ▼
Bahrain	40 (2.2) ▼
Qatar	39 (2.4) ▼
United States	39 (1.3) ▼
Chile	37 (1.7) ▼
Kazakhstan	36 (2.7) ▼
Iran, Islamic Rep. of	36 (1.6) ▼
Palestinian Nat'l Auth.	36 (2.1) ▼
Turkey	35 (1.8) ▼
Oman	34 (1.6) ▼
Tunisia	34 (1.9) ▼
Romania	32 (2.2) ▼
Syrian Arab Republic	30 (2.2) ▼
Armenia	28 (2.8) ▼
Lebanon	28 (2.2) ▼
Macedonia, Rep. of	27 (2.3) ▼
Morocco	26 (1.6) ▼
Ghana	26 (1.6) ▼
Ninth Grade Participants	
Botswana	34 (1.6) ▼
South Africa	27 (1.5) ▼
Honduras	10 (1.5) ▼
Benchmarking Participants	
Quebec, Canada	61 (1.9) ▲
Ontario, Canada	55 (2.2) ▲
Alberta, Canada	54 (2.4) ▲
Minnesota, US	50 (2.8)
Connecticut, US	48 (3.5)
Massachusetts, US	44 (2.9)
Dubai, UAE	42 (1.7)
Indiana, US	42 (2.5)
North Carolina, US	41 (3.1)
Abu Dhabi, UAE	41 (2.3)
Colorado, US	41 (3.4)
California, US	39 (3.1) ▼
Florida, US	38 (3.4) ▼
Alabama, US	29 (2.6) ▼

- ▲ Percent significantly higher than international average
- ▼ Percent significantly lower than international average

() Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

SOURCE: IEA's Progress in International Reading Literacy Study – PIRLS 2011

M03_14 (M042269): Long jump competition
Multiple Choice (Key is C)

Country	Percent Correct
Hong Kong SAR	87 (1.5) ▲
Korea, Rep. of	83 (1.4) ▲
Chinese Taipei	82 (1.5) ▲
Japan	77 (1.6) ▲
Finland	75 (1.7) ▲
Australia	73 (2.0) ▲
Singapore	73 (1.8) ▲
Slovenia	73 (1.9) ▲
Italy	72 (2.2) ▲
England	71 (2.6) ▲
New Zealand	69 (2.5) ▲
Norway	68 (2.7) ▲
Sweden	67 (1.8) ▲
United States	67 (1.8) ▲
Israel	66 (2.1) ▲
Iran, Islamic Rep. of	65 (1.9) ▲
Romania	65 (2.0) ▲
Hungary	65 (1.8) ▲
Turkey	63 (1.6) ▲
Malaysia	61 (1.8)
Russian Federation	60 (2.4)
Chile	59 (2.1)
International Avg.	58 (0.3)
Ukraine	55 (3.1)
Georgia	53 (2.7)
Macedonia, Rep. of	52 (2.8) ▼
Jordan	51 (2.1) ▼
Lebanon	50 (2.8) ▼
United Arab Emirates	50 (1.3) ▼
Kazakhstan	47 (2.3) ▼
Morocco	46 (2.1) ▼
Qatar	45 (2.1) ▼
Bahrain	45 (2.0) ▼
Palestinian Nat'l Auth.	45 (1.8) ▼
Tunisia	44 (1.9) ▼
Syrian Arab Republic	44 (2.6) ▼
Saudi Arabia	44 (2.4) ▼
Armenia	44 (2.4) ▼
Ghana	40 (1.9) ▼
Thailand	40 (1.9) ▼
Lithuania	38 (1.9) ▼
Oman	38 (1.7) ▼
Indonesia	29 (1.9) ▼
Ninth Grade Participants	
Botswana	47 (1.9) ▼
Honduras	46 (2.3) ▼
South Africa	44 (1.8) ▼
Benchmarking Participants	
Minnesota, US	80 (2.3) ▲
North Carolina, US	79 (2.7) ▲
Massachusetts, US	76 (3.6) ▲
Indiana, US	76 (2.6) ▲
Connecticut, US	74 (3.2) ▲
Alberta, Canada	73 (1.8) ▲
Quebec, Canada	69 (2.0) ▲
Ontario, Canada	66 (2.3) ▲
Colorado, US	65 (3.8)
California, US	63 (3.2)
Alabama, US	62 (3.1)
Florida, US	62 (4.1)
Dubai, UAE	54 (2.1)
Abu Dhabi, UAE	49 (2.4) ▼

- ▲ Percent significantly higher than international average
- ▼ Percent significantly lower than international average

() Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

SOURCE: IEA's Progress in International Reading Literacy Study – PIRLS 2011

M03_15 (M042179): Chance of getting a button
Multiple Choice (Key is D)

Country	Percent Correct
Korea, Rep. of	92 (1.1) ▲
Singapore	85 (1.6) ▲
Japan	83 (1.6) ▲
United States	80 (1.1) ▲
Australia	77 (1.8) ▲
England	77 (2.6) ▲
Israel	75 (1.7) ▲
Italy	69 (2.4) ▲
Chinese Taipei	68 (1.8) ▲
Finland	68 (2.1) ▲
Sweden	67 (1.8) ▲
New Zealand	66 (2.5) ▲
Hong Kong SAR	65 (2.0) ▲
Turkey	63 (2.0) ▲
Norway	62 (2.6) ▲
Slovenia	57 (2.3)
United Arab Emirates	55 (1.2)
Hungary	55 (2.0)
International Avg.	54 (0.3)
Lithuania	53 (2.6)
Russian Federation	53 (2.3)
Palestinian Nat'l Auth.	52 (2.2)
Oman	48 (1.5) ▼
Bahrain	47 (2.4) ▼
Qatar	45 (1.9) ▼
Ukraine	45 (2.7) ▼
Saudi Arabia	45 (2.4) ▼
Thailand	44 (2.0) ▼
Chile	43 (1.9) ▼
Romania	43 (2.5) ▼
Georgia	43 (2.4) ▼
Jordan	42 (2.0) ▼
Kazakhstan	41 (2.5) ▼
Iran, Islamic Rep. of	40 (2.1) ▼
Macedonia, Rep. of	37 (2.4) ▼
Armenia	37 (2.2) ▼
Syrian Arab Republic	37 (2.4) ▼
Lebanon	35 (2.2) ▼
Tunisia	35 (1.8) ▼
Ghana	35 (1.8) ▼
Indonesia	34 (2.1) ▼
Malaysia	33 (1.7) ▼
Morocco	29 (1.5) ▼
Ninth Grade Participants	
Botswana	41 (2.0) ▼
South Africa	30 (1.5) ▼
Honduras	22 (2.1) ▼
Benchmarking Participants	
Minnesota, US	90 (1.9) ▲
Massachusetts, US	86 (1.9) ▲
Colorado, US	85 (2.1) ▲
Indiana, US	84 (2.0) ▲
Alberta, Canada	82 (1.9) ▲
North Carolina, US	82 (2.6) ▲
Ontario, Canada	79 (1.9) ▲
Connecticut, US	78 (2.5) ▲
Florida, US	78 (2.9) ▲
Quebec, Canada	78 (2.0) ▲
Alabama, US	75 (2.6) ▲
California, US	69 (2.9) ▲
Dubai, UAE	58 (1.6) ▲
Abu Dhabi, UAE	55 (2.1)

- ▲ Percent significantly higher than international average
- ▼ Percent significantly lower than international average

() Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

SOURCE: IEA's Progress in International Reading Literacy Study – PIRLS 2011

M03_16 (M042177): Number of regular size bottles
Multiple Choice (Key is C)

Country	Percent Correct
Korea, Rep. of	83 (1.7) ▲
Singapore	82 (1.6) ▲
Hong Kong SAR	80 (1.6) ▲
Japan	80 (1.9) ▲
Finland	79 (2.0) ▲
Norway	77 (2.0) ▲
Chinese Taipei	77 (1.7) ▲
Hungary	75 (1.9) ▲
Slovenia	71 (2.1) ▲
Italy	71 (2.3) ▲
England	68 (3.0) ▲
Lithuania	68 (2.2) ▲
Australia	66 (2.5) ▲
Russian Federation	64 (2.2) ▲
Israel	64 (2.1) ▲
New Zealand	63 (2.6) ▲
United States	63 (1.5) ▲
Sweden	61 (2.0) ▲
Turkey	57 (1.7)
Ukraine	56 (3.0)
Chile	55 (1.9)
International Avg.	54 (0.3)
Thailand	52 (2.2)
Romania	49 (2.4) ▼
Malaysia	49 (1.9) ▼
United Arab Emirates	49 (1.6) ▼
Georgia	45 (2.1) ▼
Armenia	44 (2.4) ▼
Bahrain	43 (1.8) ▼
Kazakhstan	41 (3.0) ▼
Iran, Islamic Rep. of	41 (1.7) ▼
Macedonia, Rep. of	41 (2.2) ▼
Qatar	41 (2.2) ▼
Lebanon	40 (2.5) ▼
Tunisia	37 (2.0) ▼
Palestinian Nat'l Auth.	37 (1.8) ▼
Saudi Arabia	35 (2.0) ▼
Jordan	34 (1.7) ▼
Syrian Arab Republic	34 (2.4) ▼
Morocco	32 (1.5) ▼
Indonesia	30 (2.0) ▼
Oman	30 (1.6) ▼
Ghana	20 (1.6) ▼
Ninth Grade Participants	
Honduras	31 (1.7) ▼
Botswana	31 (1.9) ▼
South Africa	28 (1.4) ▼
Benchmarking Participants	
Quebec, Canada	74 (1.8) ▲
Minnesota, US	72 (2.8) ▲
Massachusetts, US	72 (2.4) ▲
Colorado, US	70 (3.9) ▲
Alberta, Canada	69 (2.2) ▲
North Carolina, US	69 (3.6) ▲
Ontario, Canada	68 (2.3) ▲
Connecticut, US	66 (3.5) ▲
Indiana, US	64 (3.7) ▲
Florida, US	59 (3.4)
California, US	58 (3.0)
Alabama, US	55 (3.5)
Dubai, UAE	52 (1.9)
Abu Dhabi, UAE	47 (2.4) ▼

- ▲ Percent significantly higher than international average
- ▼ Percent significantly lower than international average

() Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

SOURCE: IEA's Progress in International Reading Literacy Study – PIRLS 2011

M03_17 (M042207): Complete and label this pie chart
Constructed Response (2 Points)

Country	Percent Full Credit	Percent at Least 1 Point
Singapore	85 (1.5) ▲	89 (1.2) ▲
Korea, Rep. of	85 (1.4) ▲	86 (1.4) ▲
Chinese Taipei	80 (1.7) ▲	81 (1.6) ▲
Hong Kong SAR	76 (1.8) ▲	79 (1.7) ▲
Japan	75 (1.7) ▲	75 (1.7) ▲
Finland	70 (2.3) ▲	72 (2.3) ▲
Slovenia	67 (2.5) ▲	70 (2.4) ▲
Australia	67 (2.3) ▲	70 (2.1) ▲
England	65 (3.0) ▲	71 (3.0) ▲
Israel	63 (1.9) ▲	69 (1.9) ▲
Russian Federation	63 (2.6) ▲	67 (2.6) ▲
United States	62 (1.7) ▲	66 (1.7) ▲
Lithuania	62 (2.5) ▲	68 (2.5) ▲
Hungary	62 (2.1) ▲	65 (2.0) ▲
Norway	61 (2.7) ▲	64 (2.7) ▲
New Zealand	59 (2.5) ▲	61 (2.3) ▲
Sweden	58 (1.9) ▲	62 (1.8) ▲
Italy	54 (2.5) ▲	65 (2.2) ▲
Malaysia	50 (2.2)	56 (2.0)
Ukraine	48 (3.0)	56 (3.1)
Turkey	48 (2.0)	52 (2.0)
International Avg.	47 (0.3)	53 (0.3)
Thailand	45 (2.3)	57 (2.2) ▲
Chile	44 (1.7)	52 (1.8)
United Arab Emirates	41 (1.4) ▼	58 (1.4) ▲
Kazakhstan	40 (2.8) ▼	52 (2.9)
Jordan	34 (2.1) ▼	37 (2.0) ▼
Qatar	33 (2.2) ▼	41 (2.5) ▼
Bahrain	33 (1.8) ▼	37 (1.7) ▼
Oman	30 (1.5) ▼	33 (1.7) ▼
Palestinian Nat'l Auth.	30 (1.8) ▼	34 (1.9) ▼
Georgia	30 (2.1) ▼	37 (2.4) ▼
Romania	29 (2.2) ▼	40 (2.4) ▼
Indonesia	28 (2.2) ▼	38 (2.4) ▼
Tunisia	27 (1.9) ▼	32 (1.9) ▼
Armenia	25 (2.2) ▼	30 (2.3) ▼
Macedonia, Rep. of	24 (2.1) ▼	33 (2.5) ▼
Iran, Islamic Rep. of	23 (1.8) ▼	26 (1.7) ▼
Syrian Arab Republic	23 (2.4) ▼	33 (2.5) ▼
Saudi Arabia	19 (1.9) ▼	24 (2.1) ▼
Morocco	18 (1.1) ▼	26 (1.6) ▼
Lebanon	17 (1.7) ▼	28 (2.3) ▼
Ghana	11 (1.3) ▼	14 (1.5) ▼
Ninth Grade Participants		
Botswana	40 (1.8) ▼	43 (1.8) ▼
South Africa	28 (1.5) ▼	33 (1.7) ▼
Honduras	23 (2.1) ▼	30 (2.2) ▼
Benchmarking Participants		
Massachusetts, US	74 (2.7) ▲	78 (2.6) ▲
Quebec, Canada	72 (1.8) ▲	76 (1.7) ▲
Minnesota, US	71 (2.6) ▲	73 (2.7) ▲
Connecticut, US	70 (3.6) ▲	71 (3.5) ▲
Indiana, US	69 (2.7) ▲	72 (2.8) ▲
Colorado, US	69 (3.6) ▲	73 (3.6) ▲
North Carolina, US	67 (2.9) ▲	73 (2.8) ▲
Ontario, Canada	67 (2.0) ▲	69 (1.9) ▲
Alberta, Canada	66 (2.2) ▲	69 (2.2) ▲
Florida, US	65 (3.8) ▲	69 (3.5) ▲
California, US	58 (2.8) ▲	62 (2.9) ▲
Alabama, US	55 (3.8) ▲	60 (3.9)
Dubai, UAE	48 (1.7)	57 (1.8) ▲
Abu Dhabi, UAE	40 (2.5) ▼	59 (2.4) ▲

- ▲ Percent significantly higher than international average
- ▼ Percent significantly lower than international average

() Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

SOURCE: IEA's Progress in International Reading Literacy Study – PIRLS 2011

M05_01 (M032094): 4/100 plus 3/1000
Multiple Choice (Key is A)

Country	Percent Correct
Singapore	92 (1.1) ▲
Korea, Rep. of	89 (1.4) ▲
Hong Kong SAR	86 (1.6) ▲
Chinese Taipei	85 (1.5) ▲
Russian Federation	83 (1.6) ▲
Lebanon	81 (2.0) ▲
Japan	77 (1.9) ▲
Israel	77 (2.0) ▲
Italy	74 (2.3) ▲
Malaysia	73 (2.2) ▲
Slovenia	70 (2.1) ▲
Kazakhstan	69 (2.5) ▲
Lithuania	68 (2.1) ▲
Finland	68 (2.2) ▲
United Arab Emirates	68 (1.3) ▲
Tunisia	68 (2.0) ▲
Australia	68 (1.8) ▲
Sweden	67 (1.9) ▲
Armenia	66 (2.0) ▲
Ukraine	65 (2.7)
Hungary	63 (2.4)
United States	63 (1.9)
International Avg.	62 (0.3)
Palestinian Nat'l Auth.	59 (2.2)
England	57 (2.8) ▼
Georgia	55 (2.5) ▼
Romania	54 (2.3) ▼
Thailand	54 (2.3) ▼
Macedonia, Rep. of	52 (2.5) ▼
Qatar	52 (2.4) ▼
New Zealand	51 (2.9) ▼
Iran, Islamic Rep. of	50 (1.9) ▼
Turkey	50 (2.2) ▼
Jordan	49 (1.8) ▼
Norway	49 (2.0) ▼
Morocco	49 (1.6) ▼
Saudi Arabia	49 (2.2) ▼
Bahrain	48 (2.5) ▼
Syrian Arab Republic	48 (2.2) ▼
Oman	47 (1.5) ▼
Indonesia	46 (2.2) ▼
Chile	41 (1.9) ▼
Ghana	34 (2.1) ▼
Ninth Grade Participants	
South Africa	50 (2.1) ▼
Botswana	49 (2.3) ▼
Honduras	28 (2.2) ▼
Benchmarking Participants	
North Carolina, US	77 (3.3) ▲
Massachusetts, US	76 (3.0) ▲
Minnesota, US	72 (3.2) ▲
Dubai, UAE	71 (1.8) ▲
Quebec, Canada	71 (2.3) ▲
Connecticut, US	70 (3.2) ▲
Indiana, US	70 (3.8) ▲
Alberta, Canada	69 (2.3) ▲
Abu Dhabi, UAE	67 (2.5)
Ontario, Canada	65 (2.4)
Florida, US	64 (4.0)
Colorado, US	60 (4.1)
California, US	58 (2.9)
Alabama, US	45 (3.2) ▼

- ▲ Percent significantly higher than international average
- ▼ Percent significantly lower than international average

() Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

SOURCE: IEA's Progress in International Reading Literacy Study – PIRLS 2011

M05_02 (M032662): Location of N on number line
Multiple Choice (Key is D)

Country	Percent Correct
Chinese Taipei	53 (2.0) ▲
Hong Kong SAR	47 (2.5) ▲
Singapore	45 (2.0) ▲
Korea, Rep. of	44 (2.0) ▲
Japan	43 (2.1) ▲
Russian Federation	31 (2.1) ▲
Sweden	30 (1.8) ▲
England	29 (3.0) ▲
Finland	29 (2.0) ▲
Palestinian Nat'l Auth.	28 (1.8) ▲
Israel	27 (2.0) ▲
Oman	26 (1.5) ▲
Syrian Arab Republic	25 (2.2)
Saudi Arabia	25 (1.9)
Jordan	24 (1.6)
Australia	23 (2.1)
Hungary	23 (1.6)
International Avg.	23 (0.3)
United States	22 (1.5)
Qatar	22 (2.2)
Slovenia	21 (1.9)
Bahrain	21 (1.9)
New Zealand	19 (2.3)
Ukraine	19 (2.0) ▼
Lebanon	18 (2.0) ▼
Malaysia	18 (1.4) ▼
Lithuania	18 (1.8) ▼
Macedonia, Rep. of	17 (2.4) ▼
Iran, Islamic Rep. of	16 (1.2) ▼
Morocco	16 (1.2) ▼
Italy	16 (1.6) ▼
Norway	15 (1.8) ▼
Armenia	15 (1.7) ▼
United Arab Emirates	15 (0.9) ▼
Turkey	15 (1.4) ▼
Tunisia	14 (1.4) ▼
Kazakhstan	14 (1.8) ▼
Chile	14 (1.3) ▼
Georgia	13 (1.7) ▼
Ghana	13 (1.1) ▼
Romania	12 (1.6) ▼
Thailand	12 (1.5) ▼
Indonesia	10 (1.7) ▼
Ninth Grade Participants	
Botswana	13 (1.2) ▼
South Africa	10 (0.9) ▼
Honduras	8 (1.2) ▼
Benchmarking Participants	
Massachusetts, US	44 (4.0) ▲
Minnesota, US	38 (3.1) ▲
North Carolina, US	36 (4.1) ▲
Connecticut, US	30 (3.1) ▲
Quebec, Canada	29 (1.8) ▲
Ontario, Canada	27 (2.0) ▲
Alberta, Canada	24 (1.9)
Colorado, US	21 (2.4)
Florida, US	20 (2.5)
California, US	19 (2.0)
Indiana, US	19 (2.7)
Abu Dhabi, UAE	16 (1.9) ▼
Dubai, UAE	14 (1.4) ▼
Alabama, US	13 (2.1) ▼

- ▲ Percent significantly higher than international average
- ▼ Percent significantly lower than international average

() Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

SOURCE: IEA's Progress in International Reading Literacy Study - PIRLS 2011

M05_03 (M032064): Ann and Jenny divide 560 zeds
Constructed Response (1 Point)

Country	Percent Correct
Singapore	76 (1.6) ▲
Korea, Rep. of	67 (2.2) ▲
Hong Kong SAR	61 (2.1) ▲
Chinese Taipei	60 (2.0) ▲
Finland	48 (2.1) ▲
Russian Federation	48 (2.3) ▲
Japan	45 (2.2) ▲
Israel	43 (2.5) ▲
Hungary	40 (2.3) ▲
Sweden	37 (2.1) ▲
England	34 (2.5) ▲
Australia	34 (2.2) ▲
Italy	34 (2.4) ▲
Lithuania	33 (2.3) ▲
Malaysia	32 (2.4) ▲
Norway	30 (2.6)
Kazakhstan	28 (2.9)
Turkey	28 (1.9)
New Zealand	28 (2.3)
International Avg.	27 (0.3)
United States	25 (1.6)
Slovenia	25 (2.0)
Ukraine	24 (2.5)
Armenia	23 (1.9) ▼
Georgia	23 (2.1) ▼
Tunisia	21 (2.0) ▼
Romania	20 (1.6) ▼
United Arab Emirates	17 (1.1) ▼
Iran, Islamic Rep. of	17 (1.8) ▼
Macedonia, Rep. of	16 (2.2) ▼
Qatar	16 (1.3) ▼
Chile	14 (1.2) ▼
Thailand	13 (1.6) ▼
Palestinian Nat'l Auth.	12 (1.4) ▼
Lebanon	10 (1.6) ▼
Bahrain	10 (1.5) ▼
Indonesia	9 (1.2) ▼
Saudi Arabia	8 (1.1) ▼
Oman	7 (0.7) ▼
Jordan	7 (1.0) ▼
Morocco	6 (0.7) ▼
Syrian Arab Republic	6 (1.6) ▼
Ghana	3 (0.7) ▼
Ninth Grade Participants	
Botswana	11 (1.3) ▼
South Africa	4 (0.7) ▼
Honduras	2 (0.7) ▼
Benchmarking Participants	
Quebec, Canada	45 (2.0) ▲
North Carolina, US	40 (3.7) ▲
Minnesota, US	38 (2.7) ▲
Massachusetts, US	36 (2.8) ▲
Ontario, Canada	31 (2.4)
Connecticut, US	30 (3.2)
Colorado, US	29 (2.5)
Alberta, Canada	29 (2.0)
Indiana, US	28 (3.3)
Dubai, UAE	25 (1.6)
Florida, US	23 (2.8)
California, US	17 (2.2) ▼
Abu Dhabi, UAE	15 (2.1) ▼
Alabama, US	14 (2.5) ▼

- ▲ Percent significantly higher than international average
- ▼ Percent significantly lower than international average

() Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

SOURCE: IEA's Progress in International Reading Literacy Study – PIRLS 2011

M05_04 (M032419): Which represents 2x plus 3x
Multiple Choice (Key is C)

Country	Percent Correct
Chinese Taipei	81 (1.6) ▲
Singapore	73 (2.0) ▲
Japan	73 (1.8) ▲
Hong Kong SAR	72 (2.1) ▲
Korea, Rep. of	71 (2.1) ▲
Russian Federation	63 (2.4) ▲
Israel	58 (2.2) ▲
Lithuania	57 (2.8) ▲
Finland	55 (2.5) ▲
United States	53 (1.7) ▲
Hungary	51 (2.1) ▲
England	49 (2.7)
Turkey	49 (1.9) ▲
Slovenia	49 (2.6)
Australia	47 (2.1)
International Avg.	44 (0.3)
Malaysia	43 (1.8)
Ukraine	42 (2.9)
New Zealand	42 (2.1)
Kazakhstan	41 (2.9)
Sweden	40 (2.0) ▼
Armenia	40 (2.3)
United Arab Emirates	40 (1.2) ▼
Qatar	39 (1.7) ▼
Palestinian Nat'l Auth.	39 (2.4) ▼
Macedonia, Rep. of	39 (2.9) ▼
Lebanon	38 (2.4) ▼
Georgia	38 (2.4) ▼
Chile	38 (2.2) ▼
Norway	37 (2.2) ▼
Romania	35 (2.0) ▼
Bahrain	35 (2.1) ▼
Oman	33 (1.6) ▼
Iran, Islamic Rep. of	33 (1.9) ▼
Indonesia	33 (1.6) ▼
Tunisia	32 (2.0) ▼
Thailand	32 (1.7) ▼
Italy	31 (2.3) ▼
Jordan	31 (1.8) ▼
Morocco	30 (1.4) ▼
Saudi Arabia	29 (1.9) ▼
Syrian Arab Republic	28 (1.8) ▼
Ghana	25 (1.8) ▼
Ninth Grade Participants	
South Africa	28 (1.7) ▼
Botswana	28 (1.7) ▼
Honduras	25 (1.8) ▼
Benchmarking Participants	
Colorado, US	66 (3.3) ▲
Minnesota, US	64 (4.1) ▲
Massachusetts, US	63 (3.9) ▲
Connecticut, US	61 (3.0) ▲
North Carolina, US	59 (3.3) ▲
California, US	58 (2.1) ▲
Alberta, Canada	55 (2.2) ▲
Quebec, Canada	53 (2.5) ▲
Indiana, US	51 (3.4)
Florida, US	50 (3.3)
Ontario, Canada	47 (2.1)
Alabama, US	45 (4.2)
Dubai, UAE	44 (1.9)
Abu Dhabi, UAE	36 (2.4) ▼

- ▲ Percent significantly higher than international average
- ▼ Percent significantly lower than international average

() Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

SOURCE: IEA's Progress in International Reading Literacy Study - PIRLS 2011

M05_05 (M032477): Cost in zeds for taxi trip of n km
Multiple Choice (Key is A)

Country	Percent Correct
Chinese Taipei	77 (1.7) ▲
Singapore	76 (2.1) ▲
Hong Kong SAR	70 (2.2) ▲
Russian Federation	70 (2.0) ▲
Israel	66 (2.2) ▲
Korea, Rep. of	65 (1.7) ▲
Lithuania	62 (2.4) ▲
United States	61 (1.9) ▲
Slovenia	56 (2.5) ▲
Japan	55 (2.0) ▲
Norway	53 (2.4) ▲
Ukraine	52 (2.7) ▲
Tunisia	52 (2.1) ▲
Italy	50 (2.0)
Hungary	50 (2.1)
Finland	49 (2.3)
Georgia	49 (2.7)
Macedonia, Rep. of	49 (2.9)
Sweden	48 (1.7)
Australia	47 (2.1)
United Arab Emirates	47 (1.4)
New Zealand	46 (2.3)
International Avg.	46 (0.3)
England	45 (2.8)
Kazakhstan	44 (2.9)
Jordan	44 (2.0)
Armenia	43 (2.2)
Romania	43 (1.8) ▼
Oman	40 (1.4) ▼
Turkey	39 (1.8) ▼
Saudi Arabia	36 (2.2) ▼
Bahrain	36 (2.1) ▼
Palestinian Nat'l Auth.	35 (2.2) ▼
Syrian Arab Republic	33 (2.2) ▼
Qatar	32 (2.7) ▼
Lebanon	32 (2.4) ▼
Iran, Islamic Rep. of	31 (1.9) ▼
Morocco	30 (1.5) ▼
Chile	29 (1.9) ▼
Malaysia	28 (2.0) ▼
Ghana	28 (1.6) ▼
Indonesia	24 (2.1) ▼
Thailand	24 (1.8) ▼
Ninth Grade Participants	
South Africa	30 (1.4) ▼
Botswana	26 (1.4) ▼
Honduras	24 (2.1) ▼
Benchmarking Participants	
Massachusetts, US	82 (2.4) ▲
North Carolina, US	73 (3.5) ▲
Minnesota, US	72 (3.3) ▲
Florida, US	66 (3.7) ▲
Colorado, US	65 (2.7) ▲
Indiana, US	65 (3.3) ▲
Quebec, Canada	64 (2.1) ▲
Connecticut, US	64 (3.9) ▲
California, US	60 (2.7) ▲
Ontario, Canada	57 (2.2) ▲
Alberta, Canada	56 (2.7) ▲
Dubai, UAE	50 (2.2)
Abu Dhabi, UAE	45 (2.5)
Alabama, US	42 (3.7)

- ▲ Percent significantly higher than international average
- ▼ Percent significantly lower than international average

() Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

SOURCE: IEA's Progress in International Reading Literacy Study – PIRLS 2011

M05_06 (M032538): Find the value of y when t is 9
Constructed Response (1 Point)

Country	Percent Correct
Singapore	84 (1.5) ▲
Chinese Taipei	82 (1.4) ▲
Russian Federation	80 (2.0) ▲
Korea, Rep. of	74 (1.9) ▲
Hong Kong SAR	73 (2.3) ▲
Japan	69 (2.1) ▲
Kazakhstan	66 (2.5) ▲
Ukraine	58 (3.0) ▲
Israel	57 (2.3) ▲
Lithuania	56 (1.8) ▲
United States	55 (1.6) ▲
Italy	54 (2.6) ▲
Armenia	54 (2.1) ▲
Finland	54 (2.5) ▲
Slovenia	53 (2.5) ▲
Hungary	51 (2.4) ▲
Macedonia, Rep. of	50 (2.8) ▲
Romania	47 (2.2) ▲
Australia	47 (2.5)
England	45 (2.8)
International Avg.	43 (0.3)
Lebanon	42 (2.4)
United Arab Emirates	39 (1.4) ▼
Georgia	39 (2.7)
New Zealand	32 (2.6) ▼
Tunisia	31 (2.0) ▼
Malaysia	31 (2.1) ▼
Qatar	30 (2.4) ▼
Turkey	29 (2.0) ▼
Palestinian Nat'l Auth.	29 (2.0) ▼
Bahrain	28 (2.3) ▼
Jordan	26 (1.7) ▼
Indonesia	24 (2.3) ▼
Norway	24 (1.9) ▼
Thailand	24 (2.0) ▼
Syrian Arab Republic	23 (2.1) ▼
Iran, Islamic Rep. of	22 (1.9) ▼
Oman	21 (1.4) ▼
Saudi Arabia	20 (2.1) ▼
Chile	16 (1.5) ▼
Ghana	16 (1.9) ▼
Morocco	11 (0.9) ▼
Sweden	- -
Ninth Grade Participants	
Botswana	21 (1.6) ▼
South Africa	13 (1.0) ▼
Honduras	8 (1.7) ▼
Benchmarking Participants	
Massachusetts, US	74 (2.9) ▲
Minnesota, US	70 (2.8) ▲
North Carolina, US	65 (3.4) ▲
Indiana, US	63 (3.4) ▲
California, US	59 (3.1) ▲
Florida, US	58 (4.1) ▲
Connecticut, US	55 (3.6) ▲
Colorado, US	54 (2.8) ▲
Quebec, Canada	51 (1.9) ▲
Dubai, UAE	49 (1.9) ▲
Ontario, Canada	47 (2.0)
Alabama, US	44 (3.2)
Alberta, Canada	40 (2.6)
Abu Dhabi, UAE	37 (2.5) ▼

- ▲ Percent significantly higher than international average
- ▼ Percent significantly lower than international average

() Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

SOURCE: IEA's Progress in International Reading Literacy Study - PIRLS 2011

M05_07 (M032324): Distance between the midpoints
Multiple Choice (Key is D)

Country	Percent Correct
Chinese Taipei	69 (2.0) ▲
Korea, Rep. of	68 (1.8) ▲
Singapore	65 (1.7) ▲
Japan	63 (2.0) ▲
Russian Federation	60 (2.0) ▲
Ukraine	50 (2.5) ▲
Hong Kong SAR	48 (2.0) ▲
Armenia	48 (2.2) ▲
Lithuania	45 (2.1) ▲
Georgia	44 (2.8) ▲
Finland	44 (2.4) ▲
Lebanon	44 (2.6) ▲
Kazakhstan	42 (3.2)
Hungary	41 (2.4)
Sweden	41 (2.0)
Slovenia	40 (2.2)
Australia	40 (2.4)
Italy	39 (2.5)
International Avg.	39 (0.3)
Romania	38 (1.9)
Norway	38 (2.2)
England	38 (2.5)
Israel	37 (2.3)
Turkey	36 (1.8)
Palestinian Nat'l Auth.	35 (1.9)
Malaysia	35 (2.2)
Macedonia, Rep. of	34 (2.3) ▼
Tunisia	33 (2.4) ▼
Morocco	32 (1.3) ▼
New Zealand	31 (2.1) ▼
United Arab Emirates	31 (1.5) ▼
Iran, Islamic Rep. of	30 (2.0) ▼
Jordan	30 (1.7) ▼
United States	29 (1.4) ▼
Bahrain	28 (2.3) ▼
Syrian Arab Republic	28 (2.2) ▼
Saudi Arabia	27 (1.9) ▼
Thailand	26 (1.7) ▼
Oman	26 (1.3) ▼
Qatar	25 (2.2) ▼
Chile	25 (1.7) ▼
Ghana	19 (1.2) ▼
Indonesia	18 (1.6) ▼
Ninth Grade Participants	
South Africa	28 (1.4) ▼
Botswana	18 (1.3) ▼
Honduras	17 (1.6) ▼
Benchmarking Participants	
Quebec, Canada	54 (2.4) ▲
Massachusetts, US	40 (3.1)
Ontario, Canada	39 (1.8)
Alberta, Canada	38 (2.2)
Indiana, US	35 (3.1)
Minnesota, US	35 (2.7)
North Carolina, US	34 (3.5)
Colorado, US	33 (3.5)
Dubai, UAE	32 (1.8) ▼
Connecticut, US	31 (2.5) ▼
Abu Dhabi, UAE	30 (2.1) ▼
California, US	29 (2.6) ▼
Florida, US	29 (4.0) ▼
Alabama, US	21 (2.8) ▼

- ▲ Percent significantly higher than international average
- ▼ Percent significantly lower than international average

() Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

SOURCE: IEA's Progress in International Reading Literacy Study – PIRLS 2011

M05_08 (M032116): Area of a square is 144 square cm
Multiple Choice (Key is B)

Country	Percent Correct
Singapore	79 (1.6) ▲
Chinese Taipei	75 (1.8) ▲
Korea, Rep. of	69 (2.1) ▲
Italy	67 (2.2) ▲
Hong Kong SAR	66 (2.0) ▲
Russian Federation	62 (2.1) ▲
Israel	55 (2.6) ▲
Lithuania	53 (2.4) ▲
Romania	52 (2.1) ▲
Slovenia	51 (2.2) ▲
Hungary	49 (1.8) ▲
Armenia	48 (2.0)
Australia	48 (2.1)
Turkey	48 (2.2)
Ukraine	47 (2.9)
Japan	47 (2.3)
Georgia	47 (2.6)
England	47 (2.6)
United States	46 (2.1)
Norway	46 (2.5)
International Avg.	45 (0.3)
New Zealand	45 (1.9)
Macedonia, Rep. of	45 (2.8)
Kazakhstan	45 (2.9)
Sweden	44 (2.0)
Malaysia	43 (2.1)
Finland	42 (2.2)
Tunisia	41 (2.4)
United Arab Emirates	39 (1.6) ▼
Chile	39 (2.2) ▼
Iran, Islamic Rep. of	38 (1.6) ▼
Palestinian Nat'l Auth.	37 (2.3) ▼
Syrian Arab Republic	36 (2.4) ▼
Bahrain	36 (2.7) ▼
Thailand	35 (2.0) ▼
Jordan	34 (2.0) ▼
Qatar	33 (1.8) ▼
Lebanon	33 (2.5) ▼
Oman	32 (1.6) ▼
Saudi Arabia	31 (2.0) ▼
Morocco	27 (1.5) ▼
Ghana	27 (1.7) ▼
Indonesia	25 (2.2) ▼
Ninth Grade Participants	
Botswana	33 (1.8) ▼
Honduras	26 (2.0) ▼
South Africa	23 (1.2) ▼
Benchmarking Participants	
Massachusetts, US	61 (2.3) ▲
Colorado, US	58 (3.7) ▲
Indiana, US	57 (2.8) ▲
North Carolina, US	55 (4.1) ▲
Ontario, Canada	54 (2.5) ▲
Quebec, Canada	51 (2.1) ▲
Connecticut, US	50 (3.0)
Minnesota, US	48 (2.7)
Alberta, Canada	45 (2.2)
Dubai, UAE	44 (2.4)
Florida, US	44 (3.5)
California, US	42 (2.9)
Alabama, US	41 (3.1)
Abu Dhabi, UAE	36 (2.1) ▼

- ▲ Percent significantly higher than international average
- ▼ Percent significantly lower than international average

() Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

SOURCE: IEA's Progress in International Reading Literacy Study – PIRLS 2011

M05_09 (M032100): Shape made up of same size cubes
Multiple Choice (Key is D)

Country	Percent Correct
Korea, Rep. of	87 (1.3) ▲
Chinese Taipei	84 (1.4) ▲
Japan	80 (1.5) ▲
Singapore	77 (1.6) ▲
Finland	77 (1.9) ▲
Hong Kong SAR	74 (1.9) ▲
Australia	72 (1.8) ▲
Lithuania	70 (1.9) ▲
New Zealand	68 (1.9) ▲
England	66 (2.2) ▲
Hungary	65 (2.1) ▲
Slovenia	64 (2.2) ▲
Russian Federation	63 (2.2) ▲
United States	60 (1.4) ▲
Norway	58 (2.5) ▲
Sweden	57 (1.9) ▲
Italy	57 (2.4) ▲
Chile	52 (2.0) ▲
Ukraine	50 (3.0)
Israel	48 (2.3)
Turkey	47 (1.8)
International Avg.	47 (0.3)
Malaysia	40 (2.1) ▼
Kazakhstan	39 (2.7) ▼
Macedonia, Rep. of	38 (2.6) ▼
Thailand	38 (2.0) ▼
Romania	38 (2.1) ▼
Georgia	35 (2.7) ▼
United Arab Emirates	35 (1.4) ▼
Armenia	35 (2.2) ▼
Iran, Islamic Rep. of	30 (1.8) ▼
Qatar	30 (2.4) ▼
Oman	28 (1.7) ▼
Bahrain	27 (2.0) ▼
Saudi Arabia	26 (2.1) ▼
Indonesia	24 (2.0) ▼
Lebanon	23 (2.4) ▼
Palestinian Nat'l Auth.	20 (1.7) ▼
Tunisia	20 (1.8) ▼
Morocco	19 (1.4) ▼
Jordan	19 (1.6) ▼
Syrian Arab Republic	14 (1.6) ▼
Ghana	11 (1.1) ▼
Ninth Grade Participants	
South Africa	20 (1.4) ▼
Botswana	19 (1.5) ▼
Honduras	18 (2.1) ▼
Benchmarking Participants	
Massachusetts, US	74 (2.8) ▲
Minnesota, US	72 (2.7) ▲
Quebec, Canada	71 (1.8) ▲
Indiana, US	68 (3.1) ▲
North Carolina, US	67 (2.8) ▲
Colorado, US	67 (3.2) ▲
Alberta, Canada	67 (2.3) ▲
Ontario, Canada	65 (2.2) ▲
Connecticut, US	57 (2.8) ▲
Florida, US	55 (3.5) ▲
California, US	53 (3.1)
Alabama, US	48 (4.8)
Dubai, UAE	38 (1.6) ▼
Abu Dhabi, UAE	35 (2.4) ▼

- ▲ Percent significantly higher than international average
- ▼ Percent significantly lower than international average

() Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

SOURCE: IEA's Progress in International Reading Literacy Study – PIRLS 2011

M05_10 (M032402): Why PQR is a right angle triangle
Multiple Choice (Key is A)

Country	Percent Correct
Hong Kong SAR	87 (1.7) ▲
Singapore	79 (1.9) ▲
Chinese Taipei	76 (1.7) ▲
Russian Federation	71 (1.9) ▲
Lebanon	70 (2.3) ▲
Israel	66 (2.0) ▲
Lithuania	65 (2.3) ▲
Romania	63 (2.3) ▲
Ukraine	60 (2.9) ▲
United States	59 (1.4) ▲
Italy	59 (2.5) ▲
Kazakhstan	58 (3.1) ▲
Turkey	58 (1.8) ▲
Hungary	57 (1.9) ▲
Thailand	56 (2.3) ▲
Indonesia	55 (2.0) ▲
Macedonia, Rep. of	55 (2.7)
Palestinian Nat'l Auth.	54 (2.0)
United Arab Emirates	53 (1.3)
Iran, Islamic Rep. of	52 (1.9)
Georgia	52 (2.6)
Malaysia	52 (2.1)
International Avg.	51 (0.3)
Australia	50 (2.0)
Armenia	50 (2.3)
England	50 (2.8)
Morocco	49 (1.7)
Finland	45 (3.0) ▼
Jordan	45 (2.2) ▼
Saudi Arabia	44 (2.2) ▼
Qatar	44 (3.0) ▼
Bahrain	42 (2.2) ▼
Chile	41 (2.2) ▼
Korea, Rep. of	41 (1.8) ▼
Syrian Arab Republic	40 (2.4) ▼
Oman	34 (1.5) ▼
Slovenia	34 (2.5) ▼
Ghana	34 (2.0) ▼
Norway	33 (2.1) ▼
New Zealand	32 (1.9) ▼
Japan	27 (2.2) ▼
Sweden	23 (1.3) ▼
Tunisia	19 (1.5) ▼
Ninth Grade Participants	
South Africa	41 (1.7) ▼
Botswana	30 (1.8) ▼
Honduras	29 (2.1) ▼
Benchmarking Participants	
Massachusetts, US	74 (4.1) ▲
North Carolina, US	68 (4.1) ▲
Minnesota, US	66 (2.8) ▲
Indiana, US	64 (3.3) ▲
Florida, US	63 (3.3) ▲
Colorado, US	63 (2.5) ▲
Alberta, Canada	62 (2.1) ▲
Dubai, UAE	56 (2.0) ▲
California, US	55 (2.7)
Ontario, Canada	54 (2.5)
Alabama, US	52 (3.1)
Connecticut, US	51 (3.6)
Abu Dhabi, UAE	48 (2.5)
Quebec, Canada	29 (1.9) ▼

- ▲ Percent significantly higher than international average
- ▼ Percent significantly lower than international average

() Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

SOURCE: IEA's Progress in International Reading Literacy Study – PIRLS 2011

M05_11 (M032734): View of shape directly from above
Constructed Response (1 Point)

Country	Percent Correct
Japan	89 (1.2) ▲
Finland	89 (1.1) ▲
Australia	87 (1.2) ▲
Korea, Rep. of	85 (1.3) ▲
New Zealand	84 (1.7) ▲
Singapore	83 (1.4) ▲
England	82 (2.1) ▲
United States	81 (1.0) ▲
Slovenia	81 (1.7) ▲
Lithuania	78 (1.7) ▲
Hungary	77 (1.9) ▲
Hong Kong SAR	77 (2.0) ▲
Russian Federation	75 (1.7) ▲
Norway	74 (2.4) ▲
Chinese Taipei	74 (1.7) ▲
Chile	70 (1.8) ▲
Italy	70 (2.3) ▲
Israel	66 (1.9) ▲
Sweden	65 (1.9) ▲
Kazakhstan	60 (2.4)
Ukraine	59 (3.1)
International Avg.	58 (0.3)
Turkey	57 (1.8)
Malaysia	53 (1.8) ▼
Thailand	51 (2.4) ▼
United Arab Emirates	50 (1.4) ▼
Bahrain	49 (2.5) ▼
Romania	47 (2.2) ▼
Macedonia, Rep. of	47 (2.5) ▼
Iran, Islamic Rep. of	45 (2.2) ▼
Tunisia	44 (1.9) ▼
Jordan	42 (1.8) ▼
Armenia	41 (1.9) ▼
Qatar	40 (2.7) ▼
Palestinian Nat'l Auth.	37 (2.1) ▼
Saudi Arabia	37 (2.2) ▼
Georgia	37 (2.5) ▼
Oman	36 (1.5) ▼
Morocco	35 (1.4) ▼
Indonesia	27 (2.2) ▼
Syrian Arab Republic	26 (2.4) ▼
Lebanon	22 (2.2) ▼
Ghana	10 (1.3) ▼
Ninth Grade Participants	
Honduras	33 (2.5) ▼
Botswana	32 (1.8) ▼
South Africa	26 (1.3) ▼
Benchmarking Participants	
Massachusetts, US	90 (1.7) ▲
Minnesota, US	89 (1.7) ▲
Alberta, Canada	86 (1.6) ▲
Ontario, Canada	86 (1.4) ▲
Colorado, US	85 (2.1) ▲
North Carolina, US	82 (2.6) ▲
Quebec, Canada	80 (1.9) ▲
Indiana, US	79 (2.8) ▲
Florida, US	79 (2.6) ▲
Connecticut, US	79 (2.8) ▲
California, US	76 (2.8) ▲
Alabama, US	69 (2.6) ▲
Dubai, UAE	57 (1.9)
Abu Dhabi, UAE	50 (2.5) ▼

- ▲ Percent significantly higher than international average
- ▼ Percent significantly lower than international average

() Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

SOURCE: IEA's Progress in International Reading Literacy Study – PIRLS 2011

M05_12 (M032397): Figure 1 transformed to 2 and 3
Multiple Choice (Key is B)

Country	Percent Correct
Hong Kong SAR	84 (1.7) ▲
Korea, Rep. of	83 (1.7) ▲
Japan	78 (1.8) ▲
Chinese Taipei	69 (1.8) ▲
Singapore	67 (2.0) ▲
New Zealand	65 (2.5) ▲
Hungary	65 (2.2) ▲
Australia	63 (2.1) ▲
England	61 (2.5) ▲
Finland	59 (1.9) ▲
United States	58 (1.5) ▲
Turkey	55 (1.9) ▲
Sweden	54 (1.7) ▲
Russian Federation	52 (2.2) ▲
Italy	50 (2.2) ▲
Slovenia	48 (2.5)
Norway	47 (2.3)
International Avg.	43 (0.3)
Malaysia	42 (2.0)
Lithuania	41 (2.0)
United Arab Emirates	40 (1.4) ▼
Thailand	38 (2.0) ▼
Ukraine	38 (2.3) ▼
Israel	37 (2.0) ▼
Qatar	33 (2.1) ▼
Palestinian Nat'l Auth.	33 (1.9) ▼
Iran, Islamic Rep. of	32 (1.6) ▼
Oman	32 (1.7) ▼
Jordan	32 (1.6) ▼
Georgia	32 (2.1) ▼
Indonesia	31 (2.3) ▼
Kazakhstan	31 (2.6) ▼
Romania	31 (1.8) ▼
Tunisia	30 (1.7) ▼
Bahrain	30 (1.9) ▼
Syrian Arab Republic	27 (2.0) ▼
Saudi Arabia	27 (1.9) ▼
Macedonia, Rep. of	26 (2.5) ▼
Chile	24 (1.7) ▼
Lebanon	21 (2.1) ▼
Armenia	20 (1.8) ▼
Ghana	20 (1.6) ▼
Morocco	18 (1.2) ▼
Ninth Grade Participants	
Botswana	34 (2.0) ▼
South Africa	25 (1.2) ▼
Honduras	17 (1.8) ▼
Benchmarking Participants	
Ontario, Canada	76 (1.6) ▲
Massachusetts, US	75 (2.5) ▲
Alberta, Canada	69 (2.2) ▲
Minnesota, US	69 (3.0) ▲
North Carolina, US	67 (2.7) ▲
Connecticut, US	66 (2.9) ▲
Florida, US	65 (3.1) ▲
Indiana, US	63 (2.9) ▲
Quebec, Canada	63 (2.1) ▲
Colorado, US	62 (3.7) ▲
Alabama, US	54 (2.8) ▲
California, US	46 (2.7)
Dubai, UAE	43 (2.1)
Abu Dhabi, UAE	39 (2.6)

- ▲ Percent significantly higher than international average
- ▼ Percent significantly lower than international average

() Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

SOURCE: IEA's Progress in International Reading Literacy Study - PIRLS 2011

M05_13 (M032695): Make a pie chart with labels
Constructed Response (2 Points)

Country	Percent Full Credit	Percent at Least 1 Point
Singapore	84 (1.5) ▲	90 (1.2) ▲
Chinese Taipei	80 (1.4) ▲	88 (1.2) ▲
Japan	77 (1.7) ▲	88 (1.3) ▲
Korea, Rep. of	77 (1.7) ▲	86 (1.3) ▲
Hong Kong SAR	74 (2.1) ▲	85 (1.8) ▲
Finland	70 (2.2) ▲	81 (1.8) ▲
Russian Federation	67 (2.4) ▲	81 (1.7) ▲
Australia	65 (2.2) ▲	73 (2.2) ▲
Slovenia	64 (2.8) ▲	76 (2.2) ▲
Hungary	63 (2.0) ▲	75 (1.7) ▲
England	61 (2.5) ▲	72 (2.5) ▲
New Zealand	60 (2.3) ▲	71 (2.1) ▲
Lithuania	58 (2.1) ▲	75 (1.7) ▲
Norway	57 (2.5) ▲	69 (2.4) ▲
Israel	55 (2.2) ▲	68 (2.2) ▲
Sweden	54 (1.7) ▲	64 (1.6) ▲
Italy	53 (2.3) ▲	69 (2.1) ▲
United States	53 (1.8) ▲	64 (1.7) ▲
International Avg.	45 (0.3)	57 (0.3)
Malaysia	45 (2.2)	60 (2.2)
Ukraine	44 (2.9)	63 (2.4) ▲
Turkey	43 (1.8)	55 (2.0)
Thailand	43 (2.3)	55 (2.3)
Chile	43 (1.6)	57 (1.6)
United Arab Emirates	35 (1.5) ▼	48 (1.4) ▼
Romania	35 (2.2) ▼	49 (2.4) ▼
Kazakhstan	34 (2.9) ▼	51 (2.9) ▼
Iran, Islamic Rep. of	33 (2.1) ▼	39 (2.0) ▼
Macedonia, Rep. of	30 (2.5) ▼	45 (3.0) ▼
Jordan	29 (1.7) ▼	43 (2.0) ▼
Bahrain	29 (2.0) ▼	42 (2.0) ▼
Tunisia	28 (2.1) ▼	42 (2.2) ▼
Oman	27 (1.4) ▼	37 (1.5) ▼
Indonesia	26 (2.2) ▼	38 (2.2) ▼
Palestinian Nat'l Auth.	25 (1.8) ▼	36 (1.8) ▼
Qatar	25 (2.2) ▼	44 (2.3) ▼
Armenia	25 (1.7) ▼	38 (2.3) ▼
Georgia	23 (2.3) ▼	36 (2.6) ▼
Saudi Arabia	23 (1.8) ▼	37 (1.9) ▼
Lebanon	20 (2.2) ▼	33 (2.5) ▼
Syrian Arab Republic	19 (1.8) ▼	38 (2.7) ▼
Morocco	13 (1.0) ▼	25 (1.5) ▼
Ghana	10 (1.2) ▼	16 (1.6) ▼
Ninth Grade Participants		
Botswana	28 (1.6) ▼	41 (1.6) ▼
South Africa	16 (1.0) ▼	28 (1.4) ▼
Honduras	10 (1.4) ▼	20 (1.8) ▼
Benchmarking Participants		
Massachusetts, US	70 (2.6) ▲	82 (2.5) ▲
Quebec, Canada	69 (2.1) ▲	78 (2.0) ▲
Ontario, Canada	63 (2.2) ▲	72 (2.0) ▲
Minnesota, US	61 (2.6) ▲	75 (2.5) ▲
North Carolina, US	61 (3.6) ▲	75 (3.0) ▲
Connecticut, US	60 (3.3) ▲	71 (3.0) ▲
Colorado, US	60 (3.3) ▲	71 (3.4) ▲
Alberta, Canada	58 (2.7) ▲	71 (2.5) ▲
Indiana, US	58 (2.9) ▲	70 (2.7) ▲
California, US	47 (3.1)	56 (2.8)
Florida, US	43 (4.4)	57 (3.4)
Dubai, UAE	39 (2.0) ▼	53 (1.7) ▼
Alabama, US	39 (2.5) ▼	56 (3.4)
Abu Dhabi, UAE	36 (2.8) ▼	48 (2.8) ▼

- ▲ Percent significantly higher than international average
- ▼ Percent significantly lower than international average

() Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

SOURCE: IEA's Progress in International Reading Literacy Study – PIRLS 2011

M05_14 (M032132): How likely to get pink candy
Multiple Choice (Key is D)

Country	Percent Correct
Korea, Rep. of	84 (1.3) ▲
Hong Kong SAR	71 (2.3) ▲
Singapore	71 (1.7) ▲
Chinese Taipei	68 (1.7) ▲
Slovenia	67 (2.4) ▲
Australia	65 (1.5) ▲
Israel	65 (2.5) ▲
Japan	64 (2.2) ▲
United States	63 (1.5) ▲
Italy	61 (2.2) ▲
Lithuania	60 (2.2) ▲
Norway	60 (2.3) ▲
Finland	59 (2.4) ▲
New Zealand	59 (2.1) ▲
England	58 (2.9) ▲
Hungary	58 (1.8) ▲
Sweden	55 (2.2) ▲
Turkey	54 (1.9) ▲
Romania	54 (2.2) ▲
Russian Federation	52 (2.2)
Thailand	52 (2.2)
Ukraine	50 (2.6)
Chile	48 (2.1)
International Avg.	48 (0.3)
United Arab Emirates	44 (1.4) ▼
Saudi Arabia	42 (2.0) ▼
Georgia	42 (2.3) ▼
Macedonia, Rep. of	40 (2.8) ▼
Iran, Islamic Rep. of	40 (1.8) ▼
Kazakhstan	40 (2.5) ▼
Jordan	37 (2.1) ▼
Tunisia	37 (1.7) ▼
Qatar	37 (1.7) ▼
Armenia	34 (2.4) ▼
Bahrain	31 (1.8) ▼
Syrian Arab Republic	29 (2.1) ▼
Indonesia	26 (2.1) ▼
Oman	26 (1.5) ▼
Malaysia	25 (1.8) ▼
Palestinian Nat'l Auth.	24 (1.7) ▼
Morocco	24 (1.4) ▼
Lebanon	21 (2.2) ▼
Ghana	11 (1.0) ▼
Ninth Grade Participants	
Honduras	36 (2.4) ▼
Botswana	27 (1.9) ▼
South Africa	21 (1.4) ▼
Benchmarking Participants	
Massachusetts, US	74 (3.1) ▲
North Carolina, US	68 (2.5) ▲
Minnesota, US	68 (2.4) ▲
Quebec, Canada	64 (2.1) ▲
California, US	64 (3.3) ▲
Indiana, US	61 (2.8) ▲
Ontario, Canada	60 (2.3) ▲
Alberta, Canada	59 (2.2) ▲
Connecticut, US	58 (2.3) ▲
Colorado, US	58 (3.3) ▲
Florida, US	56 (3.8) ▲
Alabama, US	54 (3.8)
Dubai, UAE	47 (2.4)
Abu Dhabi, UAE	44 (2.5)

- ▲ Percent significantly higher than international average
- ▼ Percent significantly lower than international average

() Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

SOURCE: IEA's Progress in International Reading Literacy Study - PIRLS 2011

M06_01 (M042041): Length of the original pipe
Multiple Choice (Key is C)

Country	Percent Correct
Korea, Rep. of	96 (0.9) ▲
Japan	94 (1.1) ▲
Chinese Taipei	92 (1.0) ▲
Singapore	92 (1.1) ▲
Finland	90 (1.3) ▲
Hong Kong SAR	90 (1.5) ▲
Sweden	89 (1.2) ▲
Italy	88 (1.4) ▲
Russian Federation	85 (1.5) ▲
Norway	84 (2.0) ▲
Slovenia	81 (2.2) ▲
Lithuania	81 (1.7) ▲
Israel	80 (1.7) ▲
Australia	79 (1.7) ▲
England	79 (2.3) ▲
New Zealand	79 (1.9) ▲
United States	73 (1.3) ▲
Iran, Islamic Rep. of	72 (1.9)
Kazakhstan	72 (2.0)
Ukraine	71 (2.7)
Turkey	71 (1.8)
Hungary	71 (2.2)
International Avg.	70 (0.3)
Armenia	69 (2.1)
Thailand	64 (2.3) ▼
Malaysia	63 (1.9) ▼
Macedonia, Rep. of	63 (2.7) ▼
Tunisia	60 (1.9) ▼
United Arab Emirates	60 (1.5) ▼
Romania	59 (2.9) ▼
Palestinian Nat'l Auth.	58 (2.3) ▼
Chile	58 (2.3) ▼
Georgia	58 (2.7) ▼
Indonesia	56 (2.4) ▼
Jordan	53 (2.2) ▼
Bahrain	53 (2.4) ▼
Qatar	52 (2.0) ▼
Lebanon	52 (2.4) ▼
Ghana	51 (1.8) ▼
Syrian Arab Republic	51 (2.2) ▼
Oman	49 (1.5) ▼
Saudi Arabia	44 (2.3) ▼
Morocco	43 (1.8) ▼
Ninth Grade Participants	
Botswana	56 (1.7) ▼
Honduras	38 (2.4) ▼
South Africa	38 (1.7) ▼
Benchmarking Participants	
Massachusetts, US	88 (2.2) ▲
Quebec, Canada	88 (1.3) ▲
Alberta, Canada	85 (1.5) ▲
Minnesota, US	84 (2.0) ▲
North Carolina, US	82 (2.4) ▲
Ontario, Canada	80 (1.9) ▲
Connecticut, US	79 (2.3) ▲
Colorado, US	77 (2.4) ▲
Indiana, US	76 (2.9) ▲
California, US	70 (2.5)
Florida, US	69 (3.9)
Dubai, UAE	68 (2.0)
Alabama, US	60 (3.0) ▼
Abu Dhabi, UAE	55 (2.6) ▼

- ▲ Percent significantly higher than international average
- ▼ Percent significantly lower than international average

() Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

SOURCE: IEA's Progress in International Reading Literacy Study – PIRLS 2011

M06_02 (M042024): What is K on a number line
Multiple Choice (Key is B)

Country	Percent Correct
Singapore	94 (1.0) ▲
Japan	93 (1.0) ▲
Hong Kong SAR	92 (1.3) ▲
Korea, Rep. of	90 (1.2) ▲
Chinese Taipei	86 (1.4) ▲
England	82 (2.1) ▲
Sweden	79 (1.6) ▲
Finland	79 (1.7) ▲
Slovenia	74 (2.0) ▲
Hungary	73 (2.4) ▲
Lithuania	73 (1.9) ▲
Australia	73 (2.3) ▲
New Zealand	72 (2.7) ▲
Russian Federation	68 (2.1) ▲
Norway	67 (2.2) ▲
United States	65 (1.9) ▲
Israel	61 (2.2) ▲
Malaysia	61 (2.6) ▲
Italy	59 (2.2) ▲
Ukraine	58 (3.4)
International Avg.	54 (0.3)
Thailand	48 (2.0) ▼
Chile	45 (2.0) ▼
Kazakhstan	44 (2.6) ▼
United Arab Emirates	43 (1.3) ▼
Lebanon	41 (2.6) ▼
Macedonia, Rep. of	40 (2.3) ▼
Qatar	39 (2.3) ▼
Romania	38 (2.0) ▼
Georgia	38 (2.2) ▼
Turkey	37 (1.6) ▼
Tunisia	37 (2.1) ▼
Bahrain	36 (1.7) ▼
Armenia	36 (2.1) ▼
Saudi Arabia	33 (2.0) ▼
Palestinian Nat'l Auth.	32 (2.0) ▼
Morocco	31 (1.7) ▼
Jordan	31 (2.2) ▼
Syrian Arab Republic	29 (2.0) ▼
Indonesia	29 (2.3) ▼
Oman	25 (1.6) ▼
Iran, Islamic Rep. of	22 (1.7) ▼
Ghana	19 (1.3) ▼
Ninth Grade Participants	
Botswana	40 (2.0) ▼
South Africa	20 (1.1) ▼
Honduras	16 (1.8) ▼
Benchmarking Participants	
Massachusetts, US	82 (2.1) ▲
Quebec, Canada	81 (1.5) ▲
Minnesota, US	81 (2.3) ▲
North Carolina, US	75 (4.3) ▲
Connecticut, US	75 (2.4) ▲
Indiana, US	73 (3.0) ▲
Alberta, Canada	69 (2.2) ▲
Ontario, Canada	68 (2.3) ▲
Colorado, US	66 (2.5) ▲
California, US	66 (3.1) ▲
Florida, US	60 (4.7)
Dubai, UAE	52 (1.9)
Abu Dhabi, UAE	44 (2.6) ▼
Alabama, US	44 (4.8) ▼

- ▲ Percent significantly higher than international average
- ▼ Percent significantly lower than international average

() Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

SOURCE: IEA's Progress in International Reading Literacy Study – PIRLS 2011

M06_03 (M042016): Express 256 X 4096 as power of 4
Multiple Choice (Key is A)

Country	Percent Correct
Hong Kong SAR	74 (2.3) ▲
Lebanon	73 (1.9) ▲
Russian Federation	72 (2.2) ▲
Korea, Rep. of	70 (1.8) ▲
Singapore	70 (1.5) ▲
Chinese Taipei	69 (1.8) ▲
Italy	67 (2.5) ▲
United States	63 (1.8) ▲
Ukraine	63 (2.4) ▲
United Arab Emirates	62 (1.4) ▲
Israel	59 (2.1) ▲
Lithuania	57 (2.0) ▲
Kazakhstan	57 (2.5) ▲
Slovenia	55 (2.3)
Hungary	53 (2.2)
Armenia	53 (2.8)
Qatar	52 (1.8)
Finland	51 (2.4)
International Avg.	51 (0.3)
Romania	49 (2.1)
England	48 (2.7)
Macedonia, Rep. of	48 (2.6)
Australia	47 (2.2)
Saudi Arabia	46 (2.4) ▼
Japan	46 (2.1) ▼
Iran, Islamic Rep. of	45 (2.4) ▼
New Zealand	45 (2.4) ▼
Jordan	45 (2.4) ▼
Thailand	45 (2.1) ▼
Turkey	44 (2.0) ▼
Malaysia	43 (1.8) ▼
Georgia	42 (2.8) ▼
Chile	42 (2.1) ▼
Palestinian Nat'l Auth.	42 (2.5) ▼
Tunisia	41 (2.1) ▼
Oman	41 (1.6) ▼
Sweden	39 (1.9) ▼
Syrian Arab Republic	39 (2.5) ▼
Morocco	39 (1.5) ▼
Indonesia	39 (2.2) ▼
Bahrain	37 (2.2) ▼
Norway	32 (2.7) ▼
Ghana	28 (2.0) ▼
Ninth Grade Participants	
South Africa	37 (1.5) ▼
Botswana	37 (1.6) ▼
Honduras	36 (2.1) ▼
Benchmarking Participants	
North Carolina, US	70 (3.7) ▲
Massachusetts, US	69 (3.2) ▲
California, US	66 (3.3) ▲
Florida, US	66 (3.9) ▲
Minnesota, US	65 (3.1) ▲
Dubai, UAE	64 (1.7) ▲
Abu Dhabi, UAE	63 (2.4) ▲
Indiana, US	61 (2.9) ▲
Ontario, Canada	59 (2.0) ▲
Quebec, Canada	56 (2.0) ▲
Connecticut, US	54 (3.5)
Alabama, US	53 (3.1)
Colorado, US	52 (3.5)
Alberta, Canada	43 (2.5) ▼

- ▲ Percent significantly higher than international average
- ▼ Percent significantly lower than international average

() Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

SOURCE: IEA's Progress in International Reading Literacy Study – PIRLS 2011

M06_04 (M042002): Numbers to get greatest results
Constructed Response (1 Point)

Country	Percent Correct
Hong Kong SAR	63 (2.2) ▲
Singapore	55 (2.2) ▲
Japan	51 (2.2) ▲
Chinese Taipei	50 (1.9) ▲
Norway	47 (2.3) ▲
Israel	46 (2.2) ▲
Korea, Rep. of	42 (1.9) ▲
New Zealand	41 (2.4) ▲
England	41 (2.7) ▲
United States	38 (1.5) ▲
Russian Federation	37 (2.1) ▲
Sweden	36 (1.6) ▲
Slovenia	36 (2.3) ▲
Hungary	35 (2.2) ▲
Australia	34 (2.0) ▲
Finland	32 (2.6)
Italy	31 (1.9)
Kazakhstan	29 (2.9)
International Avg.	28 (0.3)
Malaysia	25 (1.8)
Lithuania	25 (1.7)
Macedonia, Rep. of	24 (2.5)
Ukraine	23 (2.1) ▼
Tunisia	22 (1.8) ▼
Iran, Islamic Rep. of	22 (1.5) ▼
Armenia	21 (2.0) ▼
United Arab Emirates	21 (1.0) ▼
Turkey	20 (1.4) ▼
Thailand	20 (1.8) ▼
Palestinian Nat'l Auth.	19 (2.0) ▼
Syrian Arab Republic	19 (1.8) ▼
Saudi Arabia	19 (1.9) ▼
Qatar	18 (1.6) ▼
Jordan	18 (1.6) ▼
Romania	17 (1.7) ▼
Georgia	17 (2.0) ▼
Lebanon	15 (1.7) ▼
Morocco	13 (1.2) ▼
Chile	13 (1.3) ▼
Oman	13 (1.1) ▼
Bahrain	12 (1.4) ▼
Indonesia	10 (1.2) ▼
Ghana	2 (0.5) ▼
Ninth Grade Participants	
Botswana	7 (0.9) ▼
South Africa	5 (0.6) ▼
Honduras	4 (1.0) ▼
Benchmarking Participants	
Quebec, Canada	51 (2.1) ▲
Massachusetts, US	48 (3.3) ▲
Minnesota, US	47 (3.2) ▲
Ontario, Canada	47 (2.3) ▲
North Carolina, US	45 (3.9) ▲
Alberta, Canada	42 (2.4) ▲
Connecticut, US	39 (3.0) ▲
Indiana, US	38 (3.2) ▲
Florida, US	35 (3.8) ▲
Colorado, US	34 (3.6)
California, US	33 (3.6)
Alabama, US	27 (3.7)
Dubai, UAE	24 (1.8)
Abu Dhabi, UAE	23 (1.9) ▼

- ▲ Percent significantly higher than international average
- ▼ Percent significantly lower than international average

() Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

SOURCE: IEA's Progress in International Reading Literacy Study – PIRLS 2011

M06_05A (M042198A): Next term in the pattern
Constructed Response (1 Point)

Country	Percent Correct
Japan	94 (1.0) ▲
Singapore	94 (0.8) ▲
Korea, Rep. of	92 (1.0) ▲
Hong Kong SAR	92 (1.5) ▲
Chinese Taipei	92 (1.0) ▲
Finland	91 (1.3) ▲
Australia	91 (1.3) ▲
Slovenia	90 (1.3) ▲
Hungary	90 (1.3) ▲
New Zealand	89 (1.4) ▲
England	89 (1.6) ▲
Sweden	88 (1.1) ▲
Norway	88 (1.5) ▲
United States	87 (0.8) ▲
Lithuania	86 (1.5) ▲
Israel	85 (1.4) ▲
Italy	85 (1.6) ▲
Ukraine	85 (2.0) ▲
Russian Federation	82 (1.5) ▲
Romania	81 (1.8) ▲
Kazakhstan	78 (2.1) ▲
Turkey	77 (1.5) ▲
Tunisia	76 (1.6) ▲
United Arab Emirates	70 (1.2)
International Avg.	70 (0.3)
Iran, Islamic Rep. of	68 (2.1)
Thailand	68 (2.5)
Armenia	66 (2.2)
Macedonia, Rep. of	66 (2.5)
Bahrain	62 (1.9) ▼
Qatar	56 (2.1) ▼
Georgia	53 (2.6) ▼
Malaysia	53 (2.3) ▼
Jordan	45 (1.8) ▼
Syrian Arab Republic	44 (2.9) ▼
Lebanon	43 (2.5) ▼
Ghana	38 (2.1) ▼
Oman	37 (1.4) ▼
Palestinian Nat'l Auth.	36 (2.1) ▼
Saudi Arabia	33 (2.1) ▼
Indonesia	32 (2.2) ▼
Chile	32 (2.0) ▼
Morocco	15 (1.0) ▼
Ninth Grade Participants	
Botswana	71 (1.9)
South Africa	53 (1.7) ▼
Honduras	29 (2.1) ▼
Benchmarking Participants	
Massachusetts, US	94 (1.5) ▲
Quebec, Canada	92 (1.4) ▲
Ontario, Canada	92 (1.3) ▲
Indiana, US	91 (2.1) ▲
Alberta, Canada	90 (1.4) ▲
Colorado, US	90 (2.0) ▲
Minnesota, US	90 (1.4) ▲
North Carolina, US	89 (1.7) ▲
Connecticut, US	88 (1.9) ▲
Florida, US	87 (1.7) ▲
Alabama, US	87 (1.9) ▲
California, US	86 (1.7) ▲
Dubai, UAE	79 (1.3) ▲
Abu Dhabi, UAE	68 (2.2)

- ▲ Percent significantly higher than international average
- ▼ Percent significantly lower than international average

() Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

SOURCE: IEA's Progress in International Reading Literacy Study – PIRLS 2011

M06_05B (M042198B): Term number 100 in the pattern
Constructed Response (1 Point)

Country	Percent Correct
Singapore	73 (1.8) ▲
Chinese Taipei	72 (1.7) ▲
Hong Kong SAR	68 (2.0) ▲
Korea, Rep. of	65 (2.1) ▲
Finland	65 (1.9) ▲
Lithuania	61 (2.0) ▲
Israel	60 (2.3) ▲
Hungary	59 (2.1) ▲
England	59 (2.5) ▲
Japan	57 (2.3) ▲
Slovenia	57 (2.0) ▲
Norway	56 (2.7) ▲
New Zealand	56 (2.8) ▲
Australia	56 (2.0) ▲
Ukraine	52 (3.3) ▲
United States	50 (1.4) ▲
Turkey	49 (1.8) ▲
Russian Federation	48 (2.4) ▲
Sweden	47 (2.0) ▲
Thailand	44 (2.8)
Italy	44 (2.3)
Romania	43 (2.0)
Macedonia, Rep. of	41 (2.7)
International Avg.	41 (0.3)
United Arab Emirates	37 (1.5) ▼
Kazakhstan	36 (2.8)
Georgia	36 (2.6)
Iran, Islamic Rep. of	34 (2.1) ▼
Armenia	30 (2.3) ▼
Qatar	30 (1.9) ▼
Jordan	29 (1.7) ▼
Bahrain	23 (1.4) ▼
Tunisia	22 (1.8) ▼
Lebanon	22 (1.9) ▼
Malaysia	19 (1.5) ▼
Syrian Arab Republic	17 (2.1) ▼
Chile	17 (1.3) ▼
Oman	17 (1.0) ▼
Saudi Arabia	16 (1.5) ▼
Ghana	12 (1.4) ▼
Indonesia	12 (1.6) ▼
Palestinian Nat'l Auth.	12 (1.7) ▼
Morocco	5 (0.7) ▼
Ninth Grade Participants	
Botswana	25 (1.6) ▼
South Africa	19 (1.2) ▼
Honduras	7 (1.2) ▼
Benchmarking Participants	
Massachusetts, US	67 (3.0) ▲
Ontario, Canada	65 (2.2) ▲
Minnesota, US	61 (2.7) ▲
Quebec, Canada	60 (2.4) ▲
North Carolina, US	57 (4.1) ▲
Connecticut, US	56 (3.1) ▲
Alberta, Canada	55 (2.1) ▲
Colorado, US	53 (3.9) ▲
Indiana, US	52 (3.2) ▲
California, US	49 (3.2) ▲
Florida, US	48 (3.4) ▲
Dubai, UAE	46 (2.0) ▲
Alabama, US	46 (2.7)
Abu Dhabi, UAE	34 (2.8) ▼

- ▲ Percent significantly higher than international average
- ▼ Percent significantly lower than international average

() Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

SOURCE: IEA's Progress in International Reading Literacy Study - PIRLS 2011

M06_05C (M042198C): Term number n in the pattern
Constructed Response (1 Point)

Country	Percent Correct
Chinese Taipei	61 (1.8) ▲
Singapore	58 (2.3) ▲
Hong Kong SAR	52 (2.5) ▲
Korea, Rep. of	50 (2.2) ▲
Japan	39 (2.1) ▲
Israel	37 (2.7) ▲
Russian Federation	35 (2.5) ▲
Romania	29 (1.8) ▲
Ukraine	25 (2.6) ▲
England	21 (2.7)
Hungary	20 (1.6)
Kazakhstan	20 (2.3)
Turkey	19 (1.5)
Armenia	19 (1.6)
Georgia	19 (1.8)
Slovenia	18 (1.5)
International Avg.	18 (0.3)
Lithuania	17 (1.7)
Macedonia, Rep. of	17 (2.4)
Jordan	15 (1.5)
Italy	15 (2.0)
Syrian Arab Republic	13 (2.0) ▼
United States	13 (1.4) ▼
United Arab Emirates	12 (0.8) ▼
Iran, Islamic Rep. of	11 (1.4) ▼
Australia	11 (1.5) ▼
New Zealand	11 (1.5) ▼
Qatar	11 (1.7) ▼
Thailand	10 (1.5) ▼
Finland	8 (1.2) ▼
Sweden	8 (1.1) ▼
Lebanon	7 (1.2) ▼
Tunisia	7 (1.2) ▼
Oman	6 (0.7) ▼
Chile	5 (0.9) ▼
Bahrain	5 (0.8) ▼
Palestinian Nat'l Auth.	5 (1.1) ▼
Norway	4 (1.1) ▼
Saudi Arabia	3 (0.9) ▼
Morocco	2 (0.3) ▼
Malaysia	1 (0.5) ▼
Indonesia	1 (0.5) ▼
Ghana	1 (0.4) ▼
Ninth Grade Participants	
South Africa	3 (0.4) ▼
Botswana	2 (0.6) ▼
Honduras	0 (0.1) ▼
Benchmarking Participants	
Massachusetts, US	34 (3.8) ▲
Minnesota, US	24 (3.9)
Connecticut, US	19 (2.5)
Dubai, UAE	18 (1.8)
North Carolina, US	18 (3.5)
Quebec, Canada	17 (1.6)
Colorado, US	15 (2.5)
Ontario, Canada	12 (1.4) ▼
California, US	11 (1.5) ▼
Indiana, US	10 (1.9) ▼
Florida, US	10 (2.6) ▼
Abu Dhabi, UAE	10 (1.6) ▼
Alberta, Canada	6 (1.2) ▼
Alabama, US	4 (1.5) ▼

- ▲ Percent significantly higher than international average
- ▼ Percent significantly lower than international average

() Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

SOURCE: IEA's Progress in International Reading Literacy Study – PIRLS 2011

M06_06 (M042077): Expression to equivalent to 4(3+x)
Multiple Choice (Key is C)

Country	Percent Correct
Singapore	89 (1.4) ▲
Hong Kong SAR	86 (1.2) ▲
Korea, Rep. of	86 (1.5) ▲
Chinese Taipei	85 (1.4) ▲
Japan	82 (1.5) ▲
Russian Federation	81 (1.6) ▲
Lebanon	75 (2.1) ▲
Israel	72 (2.0) ▲
Ukraine	68 (2.8) ▲
Kazakhstan	63 (2.5) ▲
Armenia	62 (2.2) ▲
Romania	62 (2.3) ▲
Lithuania	58 (2.1) ▲
Hungary	57 (2.1) ▲
United States	53 (1.9)
Italy	52 (2.6)
Jordan	51 (1.9)
International Avg.	51 (0.3)
Turkey	50 (1.9)
Qatar	49 (2.3)
Georgia	49 (2.4)
Syrian Arab Republic	48 (2.2)
Bahrain	47 (2.4)
Oman	46 (1.5) ▼
Macedonia, Rep. of	45 (2.5) ▼
Finland	44 (2.4) ▼
Ghana	42 (2.2) ▼
England	41 (2.9) ▼
United Arab Emirates	40 (1.3) ▼
Australia	40 (2.8) ▼
Morocco	39 (1.7) ▼
New Zealand	39 (2.9) ▼
Palestinian Nat'l Auth.	38 (2.0) ▼
Tunisia	37 (1.9) ▼
Malaysia	37 (2.1) ▼
Iran, Islamic Rep. of	36 (1.8) ▼
Indonesia	36 (2.0) ▼
Slovenia	34 (2.2) ▼
Thailand	33 (2.3) ▼
Saudi Arabia	28 (2.2) ▼
Sweden	24 (2.1) ▼
Chile	18 (1.5) ▼
Norway	16 (2.1) ▼
Ninth Grade Participants	
Botswana	34 (1.7) ▼
South Africa	30 (1.6) ▼
Honduras	23 (2.1) ▼
Benchmarking Participants	
California, US	72 (3.3) ▲
Minnesota, US	67 (3.1) ▲
Massachusetts, US	63 (3.0) ▲
Dubai, UAE	60 (2.5) ▲
North Carolina, US	59 (4.0)
Quebec, Canada	57 (2.2) ▲
Florida, US	55 (4.7)
Indiana, US	54 (4.3)
Colorado, US	48 (2.9)
Connecticut, US	47 (4.0)
Alabama, US	39 (4.1) ▼
Abu Dhabi, UAE	35 (2.3) ▼
Ontario, Canada	23 (1.8) ▼
Alberta, Canada	23 (2.0) ▼

- ▲ Percent significantly higher than international average
- ▼ Percent significantly lower than international average

() Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

SOURCE: IEA's Progress in International Reading Literacy Study – PIRLS 2011

M06_07 (M042235): What is the value of x and y
Multiple Choice (Key is D)

Country	Percent Correct
Korea, Rep. of	87 (1.4) ▲
Singapore	84 (1.6) ▲
Hong Kong SAR	82 (1.9) ▲
Chinese Taipei	81 (1.6) ▲
Japan	79 (1.7) ▲
Russian Federation	72 (2.1) ▲
United States	70 (1.4) ▲
Israel	65 (2.3) ▲
Australia	60 (2.6) ▲
Finland	58 (2.1) ▲
England	58 (2.8) ▲
New Zealand	57 (2.8) ▲
Hungary	57 (2.4) ▲
Lithuania	56 (2.1) ▲
Ukraine	54 (3.1)
Armenia	54 (2.5)
United Arab Emirates	54 (1.4) ▲
Kazakhstan	53 (2.4)
Slovenia	53 (2.7)
Sweden	52 (2.0)
Romania	51 (2.4)
Jordan	50 (2.2)
International Avg.	50 (0.3)
Macedonia, Rep. of	48 (3.1)
Georgia	47 (2.5)
Turkey	47 (1.9)
Italy	47 (2.3)
Lebanon	43 (2.4) ▼
Qatar	41 (2.3) ▼
Malaysia	39 (2.1) ▼
Palestinian Nat'l Auth.	39 (2.0) ▼
Thailand	37 (2.1) ▼
Bahrain	35 (1.9) ▼
Iran, Islamic Rep. of	35 (1.9) ▼
Saudi Arabia	34 (2.0) ▼
Syrian Arab Republic	31 (2.5) ▼
Norway	30 (2.2) ▼
Oman	30 (1.3) ▼
Tunisia	29 (1.8) ▼
Chile	25 (1.8) ▼
Morocco	20 (1.4) ▼
Indonesia	20 (1.9) ▼
Ghana	18 (1.6) ▼
Ninth Grade Participants	
Botswana	30 (1.7) ▼
South Africa	19 (1.5) ▼
Honduras	10 (1.5) ▼
Benchmarking Participants	
Massachusetts, US	82 (2.3) ▲
Minnesota, US	75 (3.0) ▲
Indiana, US	74 (2.2) ▲
North Carolina, US	73 (3.2) ▲
California, US	70 (2.0) ▲
Ontario, Canada	67 (2.4) ▲
Florida, US	66 (4.0) ▲
Connecticut, US	63 (3.0) ▲
Colorado, US	62 (3.5) ▲
Alberta, Canada	62 (2.5) ▲
Quebec, Canada	61 (2.4) ▲
Dubai, UAE	58 (2.0) ▲
Abu Dhabi, UAE	53 (2.3)
Alabama, US	50 (4.8)

- ▲ Percent significantly higher than international average
- ▼ Percent significantly lower than international average

() Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

SOURCE: IEA's Progress in International Reading Literacy Study – PIRLS 2011

M06_08 (M042067): What is the area of the rectangle
Multiple Choice (Key is B)

Country	Percent Correct
Chinese Taipei	83 (1.5) ▲
Singapore	79 (2.0) ▲
Russian Federation	72 (2.0) ▲
Hong Kong SAR	69 (1.9) ▲
Korea, Rep. of	67 (2.0) ▲
Kazakhstan	55 (2.5) ▲
Armenia	55 (2.1) ▲
Ukraine	52 (2.4) ▲
Israel	49 (2.3) ▲
Japan	48 (2.0) ▲
Romania	48 (2.1) ▲
Georgia	45 (2.6) ▲
Turkey	42 (1.9)
Lithuania	42 (2.5)
Thailand	41 (2.4)
International Avg.	40 (0.3)
Macedonia, Rep. of	39 (2.8)
Lebanon	39 (2.3)
United States	37 (1.7)
Indonesia	36 (1.9)
England	35 (2.6)
Syrian Arab Republic	34 (2.3) ▼
Palestinian Nat'l Auth.	34 (2.1) ▼
Qatar	33 (2.5) ▼
Iran, Islamic Rep. of	33 (2.0) ▼
Finland	32 (2.2) ▼
Slovenia	32 (1.9) ▼
Italy	31 (2.0) ▼
Tunisia	30 (1.9) ▼
United Arab Emirates	30 (1.2) ▼
Hungary	30 (1.9) ▼
Bahrain	30 (2.0) ▼
Norway	28 (2.5) ▼
New Zealand	28 (2.0) ▼
Morocco	28 (1.2) ▼
Ghana	27 (1.6) ▼
Australia	26 (1.8) ▼
Malaysia	25 (1.6) ▼
Chile	24 (1.5) ▼
Sweden	24 (1.7) ▼
Saudi Arabia	24 (2.0) ▼
Oman	23 (1.4) ▼
Jordan	21 (1.6) ▼
Ninth Grade Participants	
South Africa	27 (1.5) ▼
Honduras	25 (1.8) ▼
Botswana	--
Benchmarking Participants	
California, US	53 (3.4) ▲
North Carolina, US	45 (4.5)
Minnesota, US	44 (3.8)
Colorado, US	44 (3.5)
Massachusetts, US	43 (3.8)
Florida, US	42 (3.8)
Dubai, UAE	39 (1.9)
Connecticut, US	38 (3.3)
Indiana, US	34 (3.5)
Alberta, Canada	26 (1.9) ▼
Abu Dhabi, UAE	25 (2.1) ▼
Alabama, US	25 (2.8) ▼
Quebec, Canada	24 (1.9) ▼
Ontario, Canada	23 (1.8) ▼

- ▲ Percent significantly higher than international average
- ▼ Percent significantly lower than international average

() Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

SOURCE: IEA's Progress in International Reading Literacy Study – PIRLS 2011

M06_09 (M042150): Which shape has a line of symmetry
Multiple Choice (Key is B)

Country	Percent Correct
Chinese Taipei	81 (1.7) ▲
England	71 (2.4) ▲
Singapore	70 (1.9) ▲
Hong Kong SAR	64 (2.3) ▲
Australia	60 (2.5) ▲
New Zealand	57 (2.4) ▲
Hungary	57 (2.2) ▲
Lithuania	56 (2.1) ▲
United States	52 (1.5) ▲
Iran, Islamic Rep. of	52 (2.1) ▲
Russian Federation	52 (2.3) ▲
Japan	50 (2.1) ▲
Slovenia	49 (2.2) ▲
United Arab Emirates	45 (1.5) ▲
Qatar	45 (2.3)
Kazakhstan	42 (2.3)
International Avg.	41 (0.3)
Italy	38 (2.6)
Oman	38 (1.5)
Korea, Rep. of	38 (2.0)
Jordan	37 (2.1)
Morocco	36 (1.9) ▼
Macedonia, Rep. of	36 (2.6) ▼
Armenia	35 (2.1) ▼
Palestinian Nat'l Auth.	35 (2.4) ▼
Israel	34 (2.4) ▼
Georgia	32 (2.9) ▼
Turkey	32 (1.5) ▼
Malaysia	32 (1.9) ▼
Ukraine	32 (3.0) ▼
Finland	31 (2.4) ▼
Saudi Arabia	31 (2.0) ▼
Romania	30 (2.4) ▼
Thailand	29 (1.9) ▼
Norway	29 (2.5) ▼
Indonesia	28 (2.3) ▼
Lebanon	28 (2.5) ▼
Bahrain	27 (1.9) ▼
Tunisia	27 (1.9) ▼
Chile	26 (1.7) ▼
Sweden	23 (1.7) ▼
Syrian Arab Republic	21 (2.1) ▼
Ghana	17 (1.4) ▼
Ninth Grade Participants	
Botswana	35 (2.2) ▼
Honduras	20 (1.8) ▼
South Africa	19 (1.2) ▼
Benchmarking Participants	
Massachusetts, US	65 (3.5) ▲
Ontario, Canada	65 (2.0) ▲
Connecticut, US	60 (3.2) ▲
Colorado, US	60 (3.6) ▲
Florida, US	59 (3.3) ▲
North Carolina, US	52 (3.9) ▲
Minnesota, US	51 (2.7) ▲
Quebec, Canada	48 (2.3) ▲
Abu Dhabi, UAE	47 (2.6) ▲
Indiana, US	47 (3.4)
Dubai, UAE	46 (2.4) ▲
Alabama, US	45 (3.1)
Alberta, Canada	41 (2.5)
California, US	37 (3.4)

- ▲ Percent significantly higher than international average
- ▼ Percent significantly lower than international average

() Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

SOURCE: IEA's Progress in International Reading Literacy Study – PIRLS 2011

M06_10A (M042300A): Mark the points B and C on graph
Constructed Response (1 Point)

Country	Percent Correct
Japan	86 (1.4) ▲
Chinese Taipei	83 (1.4) ▲
Hong Kong SAR	83 (1.7) ▲
Korea, Rep. of	77 (1.7) ▲
Singapore	77 (1.6) ▲
Russian Federation	74 (2.0) ▲
Lithuania	70 (1.8) ▲
Slovenia	66 (2.1) ▲
Hungary	66 (2.2) ▲
Ukraine	64 (3.0) ▲
Finland	63 (2.1) ▲
Italy	61 (2.3) ▲
Australia	61 (2.1) ▲
Kazakhstan	58 (2.7) ▲
Israel	54 (2.4) ▲
England	54 (2.7) ▲
New Zealand	51 (2.8) ▲
United States	51 (1.5) ▲
Lebanon	50 (2.9)
Romania	50 (2.2)
Tunisia	47 (2.0)
International Avg.	46 (0.3)
Malaysia	42 (2.3)
United Arab Emirates	40 (1.5) ▼
Sweden	39 (1.8) ▼
Iran, Islamic Rep. of	37 (2.0) ▼
Thailand	36 (2.3) ▼
Norway	34 (2.5) ▼
Armenia	34 (2.3) ▼
Bahrain	33 (2.1) ▼
Turkey	31 (1.9) ▼
Oman	31 (1.4) ▼
Macedonia, Rep. of	30 (2.9) ▼
Jordan	29 (1.8) ▼
Qatar	28 (2.3) ▼
Georgia	26 (1.7) ▼
Palestinian Nat'l Auth.	20 (2.0) ▼
Saudi Arabia	20 (2.1) ▼
Chile	19 (1.4) ▼
Indonesia	18 (1.9) ▼
Syrian Arab Republic	16 (1.9) ▼
Morocco	12 (0.9) ▼
Ghana	10 (1.3) ▼
Ninth Grade Participants	
Botswana	39 (1.9) ▼
South Africa	14 (1.0) ▼
Honduras	7 (1.0) ▼
Benchmarking Participants	
Ontario, Canada	73 (1.9) ▲
Alberta, Canada	69 (2.2) ▲
Quebec, Canada	67 (2.3) ▲
Massachusetts, US	67 (2.8) ▲
Colorado, US	60 (2.8) ▲
Minnesota, US	59 (2.6) ▲
Indiana, US	55 (3.6) ▲
Florida, US	54 (3.7) ▲
North Carolina, US	51 (4.0)
Dubai, UAE	49 (2.2)
California, US	47 (2.8)
Connecticut, US	46 (2.6)
Alabama, US	46 (3.3)
Abu Dhabi, UAE	40 (2.6) ▼

- ▲ Percent significantly higher than international average
- ▼ Percent significantly lower than international average

() Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

SOURCE: IEA's Progress in International Reading Literacy Study - PIRLS 2011

M06_10B (M042300B): Measure of angle BOC
Constructed Response (1 Point)

Country	Percent Correct
Korea, Rep. of	76 (1.6) ▲
Japan	75 (2.1) ▲
Chinese Taipei	75 (1.7) ▲
Hong Kong SAR	70 (2.0) ▲
Singapore	68 (1.9) ▲
Russian Federation	61 (2.1) ▲
Italy	52 (2.6) ▲
Lithuania	50 (1.9) ▲
Slovenia	49 (2.1) ▲
Australia	47 (2.7) ▲
Kazakhstan	43 (2.4) ▲
England	42 (2.8) ▲
Ukraine	42 (3.1) ▲
Finland	40 (2.4)
Malaysia	38 (2.2)
Israel	38 (2.3)
Hungary	38 (2.4)
Romania	38 (2.2)
Lebanon	38 (2.8)
International Avg.	36 (0.3)
New Zealand	36 (2.2)
Tunisia	34 (2.1)
Jordan	33 (2.4)
United States	33 (1.5) ▼
Armenia	30 (2.2) ▼
Macedonia, Rep. of	29 (2.8) ▼
Thailand	26 (2.4) ▼
Norway	26 (2.4) ▼
United Arab Emirates	25 (1.4) ▼
Iran, Islamic Rep. of	25 (2.0) ▼
Qatar	25 (2.5) ▼
Sweden	25 (1.9) ▼
Palestinian Nat'l Auth.	21 (1.9) ▼
Bahrain	21 (1.4) ▼
Turkey	21 (1.8) ▼
Georgia	20 (1.6) ▼
Syrian Arab Republic	19 (2.2) ▼
Oman	19 (1.4) ▼
Morocco	17 (1.3) ▼
Indonesia	15 (1.7) ▼
Saudi Arabia	12 (1.5) ▼
Chile	11 (1.2) ▼
Ghana	7 (1.4) ▼
Ninth Grade Participants	
Botswana	15 (1.3) ▼
South Africa	13 (0.8) ▼
Honduras	2 (0.7) ▼
Benchmarking Participants	
Quebec, Canada	53 (2.2) ▲
Massachusetts, US	49 (3.3) ▲
Ontario, Canada	47 (2.3) ▲
Minnesota, US	47 (2.6) ▲
Florida, US	44 (4.2)
Indiana, US	41 (3.3)
Alberta, Canada	39 (2.3)
Colorado, US	38 (2.9)
Dubai, UAE	35 (2.0)
North Carolina, US	32 (3.3)
Connecticut, US	31 (2.5)
California, US	27 (3.0) ▼
Alabama, US	25 (3.0) ▼
Abu Dhabi, UAE	23 (2.3) ▼

- ▲ Percent significantly higher than international average
- ▼ Percent significantly lower than international average

() Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

SOURCE: IEA's Progress in International Reading Literacy Study – PIRLS 2011

M06_10Z (M042300Z): Measure of angle BOC-DERIVED
Constructed Response (2 Points)

Country	Percent Full Credit	Percent at Least 1 Point
Japan	73 (2.1) ▲	86 (1.4) ▲
Chinese Taipei	71 (1.7) ▲	83 (1.4) ▲
Korea, Rep. of	71 (1.8) ▲	77 (1.7) ▲
Hong Kong SAR	68 (2.0) ▲	83 (1.7) ▲
Singapore	63 (2.1) ▲	77 (1.6) ▲
Russian Federation	59 (2.2) ▲	74 (2.0) ▲
Slovenia	46 (2.1) ▲	66 (2.1) ▲
Italy	45 (2.5) ▲	61 (2.3) ▲
Lithuania	45 (1.9) ▲	70 (1.8) ▲
Australia	43 (2.5) ▲	61 (2.1) ▲
Ukraine	42 (3.0) ▲	64 (3.0) ▲
Kazakhstan	39 (2.5) ▲	58 (2.7) ▲
Finland	39 (2.4) ▲	63 (2.1) ▲
Lebanon	37 (2.7) ▲	50 (2.9)
England	37 (2.6) ▲	54 (2.7) ▲
Hungary	36 (2.4)	66 (2.2) ▲
Israel	33 (2.3)	54 (2.4) ▲
New Zealand	32 (2.3)	51 (2.8) ▲
Romania	32 (1.9)	50 (2.2)
United States	32 (1.4)	51 (1.5) ▲
International Avg.	31 (0.3)	46 (0.3)
Tunisia	29 (2.0)	47 (2.0)
Malaysia	25 (2.0) ▼	42 (2.3)
Armenia	25 (2.0) ▼	34 (2.3) ▼
Macedonia, Rep. of	23 (2.7) ▼	30 (2.9) ▼
Norway	22 (2.1) ▼	34 (2.5) ▼
Sweden	21 (1.7) ▼	39 (1.8) ▼
United Arab Emirates	21 (1.2) ▼	40 (1.5) ▼
Thailand	21 (2.2) ▼	36 (2.3) ▼
Iran, Islamic Rep. of	21 (1.7) ▼	37 (2.0) ▼
Turkey	20 (1.8) ▼	31 (1.9) ▼
Jordan	20 (1.7) ▼	29 (1.8) ▼
Qatar	17 (1.8) ▼	28 (2.3) ▼
Georgia	17 (1.5) ▼	26 (1.7) ▼
Bahrain	17 (1.3) ▼	33 (2.1) ▼
Oman	14 (1.3) ▼	31 (1.4) ▼
Palestinian Nat'l Auth.	13 (1.5) ▼	20 (2.0) ▼
Syrian Arab Republic	11 (1.7) ▼	16 (1.9) ▼
Indonesia	9 (1.3) ▼	18 (1.9) ▼
Chile	9 (1.0) ▼	19 (1.4) ▼
Morocco	9 (0.9) ▼	12 (0.9) ▼
Saudi Arabia	7 (1.3) ▼	20 (2.1) ▼
Ghana	3 (0.8) ▼	10 (1.3) ▼
Ninth Grade Participants		
Botswana	13 (1.1) ▼	39 (1.9) ▼
South Africa	6 (0.5) ▼	14 (1.0) ▼
Honduras	1 (0.6) ▼	7 (1.0) ▼
Benchmarking Participants		
Quebec, Canada	50 (2.2) ▲	67 (2.3) ▲
Massachusetts, US	49 (3.3) ▲	67 (2.8) ▲
Ontario, Canada	46 (2.3) ▲	73 (1.9) ▲
Minnesota, US	45 (2.6) ▲	59 (2.6) ▲
Florida, US	41 (3.9) ▲	54 (3.7) ▲
Indiana, US	39 (3.2) ▲	55 (3.6) ▲
Colorado, US	38 (2.8) ▲	60 (2.8) ▲
Alberta, Canada	38 (2.3) ▲	69 (2.2) ▲
North Carolina, US	32 (3.3)	51 (4.0)
Dubai, UAE	31 (1.8)	49 (2.2)
Connecticut, US	31 (2.5)	46 (2.6)
California, US	27 (3.1)	47 (2.8)
Alabama, US	24 (2.7) ▼	46 (3.3)
Abu Dhabi, UAE	20 (2.2) ▼	40 (2.6) ▼

- ▲ Percent significantly higher than international average
- ▼ Percent significantly lower than international average

() Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

SOURCE: IEA's Progress in International Reading Literacy Study – PIRLS 2011

M06_11 (M042260): How likely student voted for Pat
Multiple Choice (Key is B)

Country	Percent Correct
Korea, Rep. of	95 (0.8) ▲
Chinese Taipei	89 (1.3) ▲
Finland	89 (1.5) ▲
Japan	88 (1.3) ▲
Hong Kong SAR	87 (1.7) ▲
England	87 (1.6) ▲
Australia	84 (1.7) ▲
Lithuania	84 (1.7) ▲
Italy	82 (1.9) ▲
New Zealand	80 (1.9) ▲
Norway	77 (1.9) ▲
Slovenia	77 (1.9) ▲
Israel	77 (1.7) ▲
Singapore	77 (1.4) ▲
Turkey	77 (1.4) ▲
United States	76 (1.1) ▲
Hungary	74 (2.2) ▲
Ukraine	70 (2.5) ▲
Sweden	70 (1.7) ▲
Romania	67 (2.2)
Chile	65 (1.6)
Russian Federation	65 (2.3)
International Avg.	64 (0.3)
Bahrain	59 (2.1) ▼
United Arab Emirates	55 (1.3) ▼
Jordan	53 (1.9) ▼
Iran, Islamic Rep. of	53 (1.9) ▼
Thailand	52 (2.1) ▼
Georgia	52 (2.4) ▼
Kazakhstan	52 (2.5) ▼
Saudi Arabia	51 (1.9) ▼
Qatar	48 (2.1) ▼
Armenia	47 (2.2) ▼
Oman	46 (1.9) ▼
Palestinian Nat'l Auth.	46 (2.0) ▼
Ghana	46 (1.9) ▼
Macedonia, Rep. of	45 (2.7) ▼
Lebanon	45 (2.5) ▼
Syrian Arab Republic	44 (2.4) ▼
Malaysia	37 (1.9) ▼
Tunisia	36 (1.9) ▼
Indonesia	35 (2.1) ▼
Morocco	28 (1.3) ▼
Ninth Grade Participants	
South Africa	51 (1.6) ▼
Botswana	47 (1.9) ▼
Honduras	27 (2.0) ▼
Benchmarking Participants	
Quebec, Canada	87 (1.6) ▲
Ontario, Canada	85 (1.5) ▲
Massachusetts, US	84 (2.6) ▲
Alberta, Canada	84 (1.6) ▲
Minnesota, US	84 (1.9) ▲
Connecticut, US	82 (2.6) ▲
Indiana, US	80 (2.7) ▲
North Carolina, US	79 (3.2) ▲
Colorado, US	78 (2.6) ▲
Alabama, US	76 (2.7) ▲
Florida, US	76 (3.4) ▲
California, US	70 (1.9) ▲
Dubai, UAE	66 (1.8)
Abu Dhabi, UAE	53 (2.6) ▼

- ▲ Percent significantly higher than international average
- ▼ Percent significantly lower than international average

() Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

SOURCE: IEA's Progress in International Reading Literacy Study – PIRLS 2011

M06_12A (M042169A): Mean number of staff members
Constructed Response (1 Point)

Country	Percent Correct
Hong Kong SAR	85 (1.9) ▲
Japan	83 (1.8) ▲
Singapore	81 (1.5) ▲
Korea, Rep. of	81 (1.6) ▲
Chinese Taipei	76 (1.7) ▲
Lithuania	73 (2.1) ▲
Finland	72 (2.0) ▲
Israel	67 (2.0) ▲
United States	64 (1.7) ▲
Norway	64 (2.3) ▲
Hungary	63 (2.1) ▲
Italy	61 (2.2) ▲
Russian Federation	61 (2.1) ▲
Sweden	56 (1.9) ▲
England	56 (3.0) ▲
Ukraine	52 (2.7) ▲
Slovenia	49 (2.7) ▲
Turkey	48 (2.3) ▲
Australia	46 (3.1)
International Avg.	43 (0.3)
Iran, Islamic Rep. of	41 (2.4)
New Zealand	38 (2.5)
Armenia	38 (2.4)
Kazakhstan	36 (2.7) ▼
Palestinian Nat'l Auth.	36 (2.2) ▼
United Arab Emirates	34 (1.4) ▼
Saudi Arabia	33 (2.3) ▼
Macedonia, Rep. of	31 (2.7) ▼
Georgia	31 (2.6) ▼
Syrian Arab Republic	30 (2.1) ▼
Romania	28 (2.2) ▼
Bahrain	26 (1.8) ▼
Oman	23 (1.5) ▼
Qatar	20 (1.4) ▼
Malaysia	19 (1.9) ▼
Indonesia	19 (2.0) ▼
Thailand	15 (1.9) ▼
Lebanon	15 (2.2) ▼
Jordan	14 (1.4) ▼
Chile	12 (1.6) ▼
Ghana	10 (1.4) ▼
Tunisia	9 (1.1) ▼
Morocco	2 (0.5) ▼
Ninth Grade Participants	
Botswana	13 (1.4) ▼
South Africa	8 (0.9) ▼
Honduras	4 (0.9) ▼
Benchmarking Participants	
Florida, US	79 (3.8) ▲
Massachusetts, US	79 (3.0) ▲
Indiana, US	75 (3.0) ▲
Minnesota, US	75 (2.7) ▲
North Carolina, US	72 (3.1) ▲
Quebec, Canada	69 (1.9) ▲
Connecticut, US	66 (2.9) ▲
Colorado, US	64 (3.3) ▲
Ontario, Canada	56 (2.3) ▲
California, US	50 (2.7) ▲
Alabama, US	46 (4.0)
Alberta, Canada	37 (2.9)
Abu Dhabi, UAE	37 (2.7) ▼
Dubai, UAE	33 (1.6) ▼

- ▲ Percent significantly higher than international average
- ▼ Percent significantly lower than international average

() Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

SOURCE: IEA's Progress in International Reading Literacy Study - PIRLS 2011

M06_12B (M042169B): Median number of staff members
Constructed Response (1 Point)

Country	Percent Correct
United States	81 (1.1) ▲
England	63 (2.7) ▲
Norway	61 (2.9) ▲
Turkey	58 (2.2) ▲
Saudi Arabia	58 (2.3) ▲
Singapore	56 (1.7) ▲
New Zealand	56 (2.4) ▲
United Arab Emirates	54 (1.2) ▲
Australia	48 (2.4) ▲
Israel	47 (2.7) ▲
Bahrain	45 (2.0) ▲
Ghana	42 (2.3) ▲
Chinese Taipei	40 (2.2) ▲
Sweden	40 (2.4) ▲
Japan	38 (2.1) ▲
Syrian Arab Republic	35 (2.6) ▲
Armenia	32 (2.6)
Qatar	30 (1.9)
International Avg.	29 (0.3)
Jordan	29 (1.9)
Oman	26 (1.9)
Italy	26 (2.4)
Palestinian Nat'l Auth.	26 (1.9)
Lithuania	25 (2.5)
Russian Federation	24 (2.5) ▼
Hong Kong SAR	23 (2.5) ▼
Chile	21 (2.0) ▼
Kazakhstan	19 (2.2) ▼
Macedonia, Rep. of	16 (2.3) ▼
Hungary	14 (1.8) ▼
Lebanon	13 (1.7) ▼
Korea, Rep. of	12 (1.3) ▼
Tunisia	12 (1.2) ▼
Georgia	11 (1.8) ▼
Romania	10 (1.4) ▼
Thailand	8 (1.7) ▼
Ukraine	7 (1.5) ▼
Iran, Islamic Rep. of	7 (1.0) ▼
Malaysia	6 (1.1) ▼
Finland	6 (1.2) ▼
Morocco	6 (0.7) ▼
Indonesia	3 (0.7) ▼
Slovenia	2 (0.6) ▼
Ninth Grade Participants	
Botswana	40 (1.9) ▲
South Africa	32 (1.5)
Honduras	5 (1.3) ▼
Benchmarking Participants	
Florida, US	90 (2.3) ▲
North Carolina, US	89 (2.2) ▲
Indiana, US	88 (2.5) ▲
Massachusetts, US	87 (2.0) ▲
Colorado, US	86 (2.6) ▲
Minnesota, US	83 (2.5) ▲
Connecticut, US	80 (2.6) ▲
Alabama, US	75 (2.8) ▲
California, US	70 (2.7) ▲
Ontario, Canada	68 (2.1) ▲
Abu Dhabi, UAE	60 (2.4) ▲
Dubai, UAE	46 (1.9) ▲
Alberta, Canada	45 (2.8) ▲
Quebec, Canada	9 (1.3) ▼

- ▲ Percent significantly higher than international average
- ▼ Percent significantly lower than international average

() Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

SOURCE: IEA's Progress in International Reading Literacy Study – PIRLS 2011

M06_12C (M042169C): Change in mean and median
Constructed Response (1 Point)

Country	Percent Correct
Singapore	46 (1.8) ▲
United States	43 (1.6) ▲
England	37 (3.0) ▲
Norway	35 (2.2) ▲
Israel	31 (2.7) ▲
Sweden	27 (2.0) ▲
Turkey	25 (2.0) ▲
Australia	25 (2.7) ▲
New Zealand	24 (2.6) ▲
Chinese Taipei	22 (1.6) ▲
United Arab Emirates	17 (0.9) ▲
Bahrain	17 (1.6) ▲
Lithuania	15 (2.0)
Italy	15 (1.8)
Japan	14 (1.5)
Saudi Arabia	14 (1.7)
International Avg.	13 (0.2)
Russian Federation	13 (1.8)
Hong Kong SAR	12 (1.9)
Hungary	11 (1.5)
Qatar	9 (1.1) ▼
Palestinian Nat'l Auth.	9 (1.3) ▼
Oman	9 (1.1) ▼
Macedonia, Rep. of	8 (1.7) ▼
Georgia	7 (1.5) ▼
Kazakhstan	7 (1.4) ▼
Armenia	7 (1.2) ▼
Finland	6 (1.2) ▼
Korea, Rep. of	6 (0.9) ▼
Jordan	6 (0.9) ▼
Chile	6 (1.1) ▼
Syrian Arab Republic	5 (1.1) ▼
Romania	5 (0.9) ▼
Ukraine	4 (1.2) ▼
Indonesia	4 (0.9) ▼
Ghana	2 (0.6) ▼
Malaysia	2 (0.6) ▼
Tunisia	2 (0.5) ▼
Iran, Islamic Rep. of	2 (0.5) ▼
Lebanon	1 (0.6) ▼
Thailand	1 (0.3) ▼
Slovenia	0 (0.3) ▼
Morocco	0 (0.1) ▼
Ninth Grade Participants	
Botswana	4 (0.8) ▼
South Africa	4 (0.6) ▼
Honduras	0 (0.0) ▼
Benchmarking Participants	
Massachusetts, US	61 (3.0) ▲
North Carolina, US	60 (3.5) ▲
Minnesota, US	56 (3.0) ▲
Florida, US	53 (3.5) ▲
Indiana, US	51 (3.4) ▲
Colorado, US	48 (3.1) ▲
Connecticut, US	45 (3.7) ▲
Ontario, Canada	41 (2.6) ▲
California, US	29 (1.9) ▲
Alabama, US	29 (3.3) ▲
Alberta, Canada	27 (2.4) ▲
Abu Dhabi, UAE	18 (2.1) ▲
Dubai, UAE	16 (1.2) ▲
Quebec, Canada	7 (1.0) ▼

- ▲ Percent significantly higher than international average
- ▼ Percent significantly lower than international average

() Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

SOURCE: IEA's Progress in International Reading Literacy Study – PIRLS 2011

M07_01 (M032352): The shadow lengths of four bushes
Multiple Choice (Key is C)

Country	Percent Correct
Korea, Rep. of	86 (1.3) ▲
Singapore	84 (1.3) ▲
Chinese Taipei	83 (1.4) ▲
Japan	82 (1.5) ▲
Hong Kong SAR	80 (1.4) ▲
Russian Federation	72 (2.1) ▲
England	72 (2.5) ▲
Slovenia	70 (2.0) ▲
United States	69 (1.2) ▲
Australia	69 (2.4) ▲
Finland	68 (2.0) ▲
Israel	67 (2.1) ▲
New Zealand	66 (1.8) ▲
Italy	66 (2.3) ▲
Lithuania	65 (2.2) ▲
Hungary	65 (2.2) ▲
Sweden	64 (1.9) ▲
Malaysia	63 (1.8)
International Avg.	60 (0.3)
Norway	59 (2.4)
Thailand	59 (1.8)
United Arab Emirates	59 (1.4)
Ukraine	58 (2.3)
Kazakhstan	57 (2.8)
Turkey	56 (1.9) ▼
Lebanon	56 (2.6)
Romania	54 (2.4) ▼
Chile	54 (2.2) ▼
Bahrain	53 (2.2) ▼
Armenia	52 (2.4) ▼
Qatar	52 (2.5) ▼
Ghana	51 (1.7) ▼
Iran, Islamic Rep. of	51 (1.9) ▼
Indonesia	51 (2.8) ▼
Morocco	49 (1.9) ▼
Macedonia, Rep. of	49 (2.5) ▼
Jordan	49 (2.3) ▼
Georgia	48 (2.9) ▼
Saudi Arabia	47 (2.3) ▼
Palestinian Nat'l Auth.	47 (2.1) ▼
Syrian Arab Republic	47 (2.1) ▼
Oman	46 (1.9) ▼
Tunisia	44 (1.9) ▼
Ninth Grade Participants	
Botswana	54 (2.0) ▼
South Africa	52 (1.6) ▼
Honduras	39 (1.9) ▼
Benchmarking Participants	
Massachusetts, US	81 (2.4) ▲
Minnesota, US	80 (2.5) ▲
Quebec, Canada	74 (1.6) ▲
North Carolina, US	74 (3.3) ▲
Connecticut, US	71 (2.8) ▲
Florida, US	71 (3.9) ▲
Colorado, US	70 (2.7) ▲
Ontario, Canada	69 (1.9) ▲
Indiana, US	68 (2.9) ▲
California, US	67 (2.5) ▲
Alberta, Canada	65 (2.4)
Dubai, UAE	64 (2.3)
Alabama, US	62 (4.2)
Abu Dhabi, UAE	57 (2.3)

- ▲ Percent significantly higher than international average
- ▼ Percent significantly lower than international average

() Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

SOURCE: IEA's Progress in International Reading Literacy Study – PIRLS 2011

M07_02 (M032725): Write 3 5/6 in decimal form
Constructed Response (1 Point)

Country	Percent Correct
Hong Kong SAR	78 (2.0) ▲
Singapore	73 (1.5) ▲
Korea, Rep. of	65 (2.2) ▲
Chinese Taipei	61 (1.9) ▲
Japan	46 (2.4) ●
Tunisia	41 (2.2) ▲
Russian Federation	39 (2.5) ▲
Kazakhstan	37 (2.5) ▲
Australia	31 (2.4) ▲
Slovenia	29 (2.3)
Hungary	29 (2.2)
Malaysia	29 (2.1)
Israel	29 (2.0)
United States	29 (1.6) ▲
Italy	27 (1.8)
Armenia	27 (2.0)
Finland	25 (2.0)
Lithuania	25 (1.8)
International Avg.	25 (0.3)
Sweden	25 (1.9)
England	24 (2.9)
United Arab Emirates	24 (1.2)
Ukraine	22 (2.2)
Macedonia, Rep. of	21 (2.4)
Norway	19 (2.2) ▼
Romania	19 (2.1) ▼
Morocco	18 (1.3) ▼
Georgia	18 (2.1) ▼
New Zealand	18 (2.1) ▼
Thailand	15 (1.9) ▼
Palestinian Nat'l Auth.	14 (1.5) ▼
Saudi Arabia	14 (1.8) ▼
Bahrain	13 (1.0) ▼
Qatar	12 (1.3) ▼
Indonesia	8 (1.3) ▼
Oman	8 (0.7) ▼
Ghana	6 (1.3) ▼
Chile	6 (0.9) ▼
Iran, Islamic Rep. of	5 (0.9) ▼
Jordan	5 (1.0) ▼
Syrian Arab Republic	4 (0.9) ▼
Lebanon	3 (0.9) ▼
Turkey	3 (0.7) ▼
Ninth Grade Participants	
Botswana	12 (1.3) ▼
South Africa	7 (0.8) ▼
Honduras	1 (0.5) ▼
Benchmarking Participants	
Minnesota, US	42 (3.1) ▲
Massachusetts, US	42 (3.8) ▲
Alberta, Canada	42 (2.4) ▲
North Carolina, US	41 (4.0) ▲
Quebec, Canada	37 (1.9) ▲
Indiana, US	35 (3.2) ▲
Florida, US	35 (4.4) ▲
Connecticut, US	34 (3.2) ▲
Ontario, Canada	31 (2.5) ▲
Dubai, UAE	26 (1.5)
Colorado, US	23 (2.6)
Alabama, US	22 (3.0)
Abu Dhabi, UAE	21 (1.9)
California, US	20 (2.9)

- ▲ Percent significantly higher than international average
- ▼ Percent significantly lower than international average

() Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

SOURCE: IEA's Progress in International Reading Literacy Study - PIRLS 2011

M07_03 (M032683): Simplify $3x/8$ plus $x/4$ plus $x/2$
Constructed Response (2 Points)

Country	Percent Full Credit	Percent at Least 1 Point
Singapore	75 (1.9) ▲	86 (1.5) ▲
Chinese Taipei	63 (2.1) ▲	73 (2.0) ▲
Japan	63 (2.0) ▲	72 (1.9) ▲
Korea, Rep. of	61 (2.0) ▲	69 (2.1) ▲
Hong Kong SAR	53 (2.4) ▲	78 (1.8) ▲
Lebanon	44 (2.9) ▲	49 (2.8) ▲
Kazakhstan	41 (2.8) ▲	53 (2.7) ▲
Armenia	41 (2.2) ▲	46 (2.4) ▲
Russian Federation	35 (2.4) ▲	58 (3.0) ▲
Hungary	34 (2.0) ▲	50 (2.1) ▲
Ukraine	33 (2.9) ▲	42 (3.0) ▲
Romania	29 (2.0) ▲	43 (2.3) ▲
Georgia	28 (2.3)	33 (2.5)
Italy	27 (1.9)	41 (2.1) ▲
Jordan	26 (2.0)	35 (2.1)
Turkey	25 (1.6)	33 (1.9)
Malaysia	25 (1.9)	36 (2.0) ▲
International Avg.	24 (0.3)	32 (0.3)
Palestinian Nat'l Auth.	24 (1.6)	32 (1.9)
Lithuania	22 (2.0)	29 (2.1)
United States	19 (1.4) ▼	25 (1.7) ▼
Israel	19 (2.1) ▼	29 (2.5)
Syrian Arab Republic	19 (1.7) ▼	24 (2.3) ▼
United Arab Emirates	18 (1.5) ▼	25 (1.5) ▼
Slovenia	18 (1.9) ▼	24 (2.0) ▼
Tunisia	18 (1.6) ▼	22 (1.9) ▼
Australia	14 (2.1) ▼	17 (2.3) ▼
Macedonia, Rep. of	14 (1.8) ▼	17 (1.9) ▼
Iran, Islamic Rep. of	11 (1.5) ▼	15 (1.7) ▼
Qatar	11 (1.4) ▼	24 (1.7) ▼
Bahrain	11 (1.1) ▼	18 (1.6) ▼
Ghana	11 (1.3) ▼	13 (1.4) ▼
Thailand	11 (1.7) ▼	16 (2.0) ▼
Indonesia	10 (1.3) ▼	17 (1.7) ▼
Oman	9 (0.8) ▼	13 (1.1) ▼
Finland	9 (1.2) ▼	12 (1.4) ▼
England	9 (1.6) ▼	11 (1.9) ▼
Morocco	8 (0.9) ▼	13 (1.1) ▼
New Zealand	8 (1.6) ▼	11 (1.8) ▼
Saudi Arabia	8 (1.2) ▼	12 (1.5) ▼
Norway	6 (1.4) ▼	10 (1.6) ▼
Sweden	5 (1.0) ▼	8 (1.4) ▼
Chile	4 (0.6) ▼	5 (0.7) ▼
Ninth Grade Participants		
Botswana	10 (1.2) ▼	12 (1.3) ▼
South Africa	3 (0.5) ▼	6 (0.7) ▼
Honduras	1 (0.6) ▼	2 (0.6) ▼
Benchmarking Participants		
Dubai, UAE	30 (2.5) ▲	36 (3.0)
Massachusetts, US	29 (3.7)	42 (3.9) ▲
Quebec, Canada	29 (2.3) ▲	45 (2.4) ▲
California, US	28 (3.1)	37 (3.4)
Minnesota, US	25 (3.1)	32 (3.4)
Connecticut, US	20 (3.1)	27 (3.6)
Indiana, US	19 (2.8)	31 (3.3)
North Carolina, US	18 (2.7) ▼	24 (3.4) ▼
Colorado, US	17 (1.9) ▼	24 (2.0) ▼
Florida, US	15 (2.6) ▼	21 (3.4) ▼
Abu Dhabi, UAE	15 (1.6) ▼	24 (1.8) ▼
Ontario, Canada	9 (1.4) ▼	16 (1.8) ▼
Alabama, US	6 (1.5) ▼	13 (2.2) ▼
Alberta, Canada	3 (0.9) ▼	8 (1.5) ▼

- ▲ Percent significantly higher than international average
- ▼ Percent significantly lower than international average

() Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

SOURCE: IEA's Progress in International Reading Literacy Study – PIRLS 2011

M07_04 (M032738): What xy plus 1 mean
Multiple Choice (Key is D)

Country	Percent Correct
Hong Kong SAR	94 (1.3) ▲
Korea, Rep. of	91 (1.3) ▲
Singapore	91 (1.1) ▲
Chinese Taipei	90 (1.3) ▲
Russian Federation	89 (1.2) ▲
Japan	87 (1.5) ▲
Ukraine	81 (2.1) ▲
United States	80 (1.2) ▲
Armenia	79 (1.9) ▲
Slovenia	76 (2.0) ▲
Lithuania	75 (2.3) ▲
Israel	74 (2.0) ▲
Kazakhstan	73 (1.9) ▲
Hungary	73 (1.9) ▲
Finland	72 (2.2) ▲
England	72 (2.8) ▲
Georgia	71 (1.8) ▲
Australia	71 (2.3) ▲
Jordan	69 (2.0)
United Arab Emirates	66 (1.4)
International Avg.	65 (0.3)
Italy	65 (2.0)
Romania	65 (2.3)
Macedonia, Rep. of	63 (2.5)
Bahrain	62 (1.7)
New Zealand	60 (2.3) ▼
Thailand	60 (2.5) ▼
Lebanon	59 (2.6) ▼
Turkey	58 (1.9) ▼
Chile	58 (2.4) ▼
Saudi Arabia	57 (2.2) ▼
Palestinian Nat'l Auth.	56 (2.0) ▼
Qatar	55 (2.3) ▼
Iran, Islamic Rep. of	55 (2.0) ▼
Sweden	53 (2.0) ▼
Tunisia	49 (1.8) ▼
Indonesia	48 (2.3) ▼
Syrian Arab Republic	48 (2.2) ▼
Oman	47 (1.7) ▼
Malaysia	43 (2.0) ▼
Morocco	41 (1.6) ▼
Ghana	36 (1.8) ▼
Norway	36 (2.6) ▼
Ninth Grade Participants	
Botswana	52 (1.7) ▼
South Africa	30 (1.5) ▼
Honduras	26 (2.0) ▼
Benchmarking Participants	
Massachusetts, US	91 (1.9) ▲
Minnesota, US	88 (2.1) ▲
Florida, US	88 (2.6) ▲
Indiana, US	86 (1.6) ▲
North Carolina, US	84 (2.1) ▲
Connecticut, US	83 (2.3) ▲
Ontario, Canada	81 (2.0) ▲
California, US	79 (2.8) ▲
Alberta, Canada	78 (2.1) ▲
Alabama, US	77 (2.9) ▲
Colorado, US	76 (3.3) ▲
Dubai, UAE	72 (1.6) ▲
Quebec, Canada	68 (2.0)
Abu Dhabi, UAE	63 (2.5)

- ▲ Percent significantly higher than international average
- ▼ Percent significantly lower than international average

() Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

SOURCE: IEA's Progress in International Reading Literacy Study – PIRLS 2011

M07_05 (M032295): m boys and n girls in a parade
Multiple Choice (Key is A)

Country	Percent Correct	
Singapore	95 (0.7)	▲
Hong Kong SAR	94 (1.2)	▲
Chinese Taipei	93 (1.0)	▲
Korea, Rep. of	91 (1.0)	▲
Japan	90 (1.3)	▲
Russian Federation	90 (1.3)	▲
United States	88 (1.0)	▲
Lebanon	86 (1.8)	▲
Lithuania	86 (1.4)	▲
Slovenia	85 (1.7)	▲
Israel	82 (1.7)	▲
Finland	82 (1.9)	▲
Italy	82 (1.8)	▲
Ukraine	81 (2.4)	▲
Hungary	80 (1.7)	▲
Romania	77 (1.8)	▲
Kazakhstan	76 (2.4)	
United Arab Emirates	75 (1.1)	▲
England	74 (2.3)	
Australia	73 (2.4)	
International Avg.	73 (0.3)	
Georgia	72 (2.3)	
Malaysia	71 (2.1)	
New Zealand	71 (2.6)	
Tunisia	70 (1.8)	
Armenia	69 (2.1)	
Macedonia, Rep. of	67 (2.4)	▼
Jordan	67 (2.1)	▼
Qatar	65 (2.1)	▼
Sweden	65 (1.8)	▼
Indonesia	63 (2.3)	▼
Turkey	62 (1.5)	▼
Iran, Islamic Rep. of	62 (2.0)	▼
Thailand	62 (2.0)	▼
Bahrain	62 (1.9)	▼
Palestinian Nat'l Auth.	62 (1.7)	▼
Chile	60 (2.0)	▼
Ghana	60 (1.9)	▼
Norway	59 (2.7)	▼
Morocco	58 (1.6)	▼
Oman	58 (1.8)	▼
Syrian Arab Republic	48 (2.6)	▼
Saudi Arabia	48 (2.4)	▼
Ninth Grade Participants		
Botswana	73 (1.6)	
South Africa	49 (1.9)	▼
Honduras	46 (2.4)	▼
Benchmarking Participants		
Massachusetts, US	92 (2.0)	▲
California, US	91 (1.6)	▲
Minnesota, US	91 (1.5)	▲
North Carolina, US	90 (2.5)	▲
Quebec, Canada	90 (1.4)	▲
Florida, US	87 (2.7)	▲
Indiana, US	87 (2.1)	▲
Connecticut, US	83 (3.2)	▲
Dubai, UAE	83 (1.5)	▲
Colorado, US	82 (2.1)	▲
Alabama, US	81 (2.2)	▲
Alberta, Canada	76 (2.1)	
Ontario, Canada	76 (2.3)	
Abu Dhabi, UAE	75 (2.0)	

- ▲ Percent significantly higher than international average
- ▼ Percent significantly lower than international average

() Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

SOURCE: IEA's Progress in International Reading Literacy Study – PIRLS 2011

M07_06 (M032331): Degrees minute hand of clock turns
Multiple Choice (Key is B)

Country	Percent Correct
Korea, Rep. of	63 (2.1) ⬆
Japan	58 (2.2) ⬆
Singapore	57 (1.9) ⬆
Chinese Taipei	56 (1.8) ⬆
Hong Kong SAR	51 (2.2) ⬆
Finland	32 (1.8)
Sweden	31 (1.7)
England	31 (2.6)
Slovenia	31 (2.0)
Morocco	30 (1.7)
Hungary	30 (1.6)
Syrian Arab Republic	30 (2.6)
Palestinian Nat'l Auth.	29 (1.9)
International Avg.	29 (0.3)
Russian Federation	29 (1.8)
Saudi Arabia	28 (1.7)
Macedonia, Rep. of	28 (2.5)
Turkey	27 (1.8)
Israel	27 (2.0)
Australia	27 (2.0)
New Zealand	26 (1.9)
Iran, Islamic Rep. of	26 (1.8)
Tunisia	26 (1.9)
Malaysia	26 (1.6) ⬇
Ukraine	25 (2.8)
Armenia	25 (1.8) ⬇
Italy	25 (1.7) ⬇
Jordan	25 (1.8) ⬇
Lebanon	24 (2.0) ⬇
Bahrain	24 (1.5) ⬇
Romania	23 (2.1) ⬇
Norway	23 (2.0) ⬇
Kazakhstan	23 (2.2) ⬇
United Arab Emirates	23 (1.1) ⬇
United States	22 (1.4) ⬇
Qatar	22 (1.9) ⬇
Oman	21 (1.4) ⬇
Lithuania	21 (1.9) ⬇
Ghana	21 (1.6) ⬇
Georgia	19 (2.2) ⬇
Indonesia	19 (1.6) ⬇
Thailand	16 (1.6) ⬇
Chile	- -
Ninth Grade Participants	
South Africa	19 (0.9) ⬇
Honduras	15 (1.7) ⬇
Botswana	15 (1.4) ⬇
Benchmarking Participants	
Quebec, Canada	30 (2.0)
Minnesota, US	29 (2.5)
Ontario, Canada	26 (1.7)
North Carolina, US	26 (3.2)
Massachusetts, US	25 (2.7)
Dubai, UAE	24 (1.8) ⬇
Connecticut, US	24 (3.1)
Abu Dhabi, UAE	23 (2.0) ⬇
Indiana, US	19 (1.8) ⬇
Alberta, Canada	19 (1.8) ⬇
Alabama, US	18 (2.4) ⬇
Colorado, US	18 (2.4) ⬇
Florida, US	18 (2.3) ⬇
California, US	17 (1.9) ⬇

- ⬆ Percent significantly higher than international average
- ⬇ Percent significantly lower than international average

() Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

SOURCE: IEA's Progress in International Reading Literacy Study - PIRLS 2011

M07_07 (M032623): Area of the shaded region in figure
Multiple Choice (Key is D)

Country	Percent Correct
Chinese Taipei	84 (1.7) ▲
Hong Kong SAR	84 (1.4) ▲
Singapore	80 (1.6) ▲
Korea, Rep. of	79 (1.7) ▲
Japan	76 (1.9) ▲
Italy	56 (2.3) ▲
Israel	48 (2.4) ▲
Russian Federation	46 (2.6) ▲
Sweden	44 (1.7) ▲
Lithuania	42 (2.1) ▲
Finland	42 (2.1) ▲
Romania	39 (2.2)
England	38 (3.4)
Australia	38 (2.6)
International Avg.	36 (0.3)
Hungary	36 (2.2)
Slovenia	35 (2.4)
United States	35 (1.8)
Norway	35 (2.3)
New Zealand	34 (2.5)
Turkey	30 (1.7) ▼
Tunisia	29 (1.9) ▼
United Arab Emirates	29 (1.1) ▼
Malaysia	29 (2.2) ▼
Kazakhstan	28 (2.7) ▼
Ukraine	27 (2.4) ▼
Armenia	27 (2.0) ▼
Georgia	27 (2.3) ▼
Chile	26 (2.0) ▼
Iran, Islamic Rep. of	24 (1.8) ▼
Saudi Arabia	23 (2.1) ▼
Palestinian Nat'l Auth.	22 (1.8) ▼
Jordan	22 (1.7) ▼
Indonesia	22 (1.9) ▼
Bahrain	21 (2.0) ▼
Macedonia, Rep. of	21 (2.2) ▼
Thailand	21 (1.8) ▼
Qatar	21 (1.8) ▼
Syrian Arab Republic	19 (2.0) ▼
Lebanon	19 (2.3) ▼
Oman	17 (1.1) ▼
Morocco	17 (1.1) ▼
Ghana	14 (1.4) ▼
Ninth Grade Participants	
Botswana	24 (1.6) ▼
South Africa	18 (1.2) ▼
Honduras	15 (2.0) ▼
Benchmarking Participants	
Quebec, Canada	63 (2.1) ▲
Massachusetts, US	57 (3.4) ▲
Colorado, US	50 (3.0) ▲
North Carolina, US	48 (3.2) ▲
Ontario, Canada	45 (2.2) ▲
Connecticut, US	44 (3.2) ▲
Minnesota, US	43 (2.8) ▲
Indiana, US	42 (3.0) ▲
Alberta, Canada	40 (2.7)
Dubai, UAE	34 (2.0) ▼
Florida, US	29 (3.4)
Abu Dhabi, UAE	27 (1.9) ▼
California, US	24 (2.7) ▼
Alabama, US	23 (2.0) ▼

- ▲ Percent significantly higher than international average
- ▼ Percent significantly lower than international average

() Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

SOURCE: IEA's Progress in International Reading Literacy Study – PIRLS 2011

M07_08 (M032679): Shape of cutout figure
Multiple Choice (Key is A)

Country	Percent Correct
Hong Kong SAR	88 (1.4) ▲
Chinese Taipei	87 (1.4) ▲
Korea, Rep. of	85 (1.4) ▲
Japan	85 (1.6) ▲
Singapore	80 (1.5) ▲
Russian Federation	73 (1.8) ▲
Italy	69 (2.2) ▲
England	66 (2.5) ▲
Israel	64 (2.2) ▲
Ukraine	63 (2.7) ▲
Australia	63 (2.0) ▲
Lithuania	60 (2.3) ▲
Hungary	59 (2.1) ▲
New Zealand	57 (2.4) ▲
Kazakhstan	57 (2.8)
Norway	56 (2.6)
Slovenia	56 (2.2)
United States	55 (1.5)
Sweden	53 (1.9)
Finland	53 (2.6)
International Avg.	52 (0.3)
Romania	51 (2.3)
Chile	49 (1.9)
Georgia	48 (2.1)
Thailand	47 (2.1) ▼
United Arab Emirates	46 (1.3) ▼
Indonesia	44 (2.0) ▼
Iran, Islamic Rep. of	44 (2.3) ▼
Tunisia	44 (1.9) ▼
Macedonia, Rep. of	41 (2.4) ▼
Qatar	39 (2.4) ▼
Lebanon	39 (2.6) ▼
Turkey	39 (1.8) ▼
Armenia	37 (2.4) ▼
Syrian Arab Republic	35 (1.9) ▼
Palestinian Nat'l Auth.	35 (2.0) ▼
Morocco	35 (1.5) ▼
Bahrain	34 (2.0) ▼
Jordan	34 (1.8) ▼
Malaysia	33 (1.9) ▼
Saudi Arabia	30 (2.0) ▼
Oman	28 (1.3) ▼
Ghana	28 (1.9) ▼
Ninth Grade Participants	
Botswana	34 (1.7) ▼
Honduras	26 (2.1) ▼
South Africa	24 (1.4) ▼
Benchmarking Participants	
Quebec, Canada	69 (1.7) ▲
Minnesota, US	67 (3.2) ▲
Massachusetts, US	65 (3.1) ▲
Connecticut, US	64 (3.0) ▲
Ontario, Canada	63 (2.2) ▲
North Carolina, US	60 (2.7) ▲
Colorado, US	59 (2.8) ▲
Florida, US	58 (4.1)
Indiana, US	57 (3.3)
Dubai, UAE	50 (2.7)
Alberta, Canada	49 (2.2)
Abu Dhabi, UAE	49 (2.2)
California, US	47 (3.1)
Alabama, US	41 (3.1) ▼

- ▲ Percent significantly higher than international average
- ▼ Percent significantly lower than international average

() Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

SOURCE: IEA's Progress in International Reading Literacy Study - PIRLS 2011

M07_09 (M032047): Sum of 3 consecutive whole numbers
Multiple Choice (Key is B)

Country	Percent Correct
Korea, Rep. of	78 (1.8) ▲
Chinese Taipei	76 (1.9) ▲
Finland	70 (2.0) ▲
Hong Kong SAR	69 (2.0) ▲
Japan	68 (1.7) ▲
Singapore	64 (1.7) ▲
Lithuania	63 (2.2) ▲
Romania	62 (1.9) ▲
Israel	57 (2.5) ▲
Kazakhstan	57 (2.4) ▲
Italy	56 (2.2) ▲
Lebanon	56 (2.4)
Hungary	56 (2.2)
Morocco	55 (1.5) ▲
Syrian Arab Republic	55 (2.1)
Georgia	54 (2.2)
Russian Federation	53 (2.6)
Tunisia	52 (2.0)
Palestinian Nat'l Auth.	52 (2.0)
International Avg.	52 (0.3)
Thailand	52 (1.8)
Armenia	51 (2.3)
Turkey	51 (1.9)
Ukraine	49 (2.7)
Iran, Islamic Rep. of	49 (1.8)
Macedonia, Rep. of	48 (2.5)
Jordan	48 (1.9) ▼
Ghana	47 (2.0) ▼
England	46 (2.4) ▼
Sweden	46 (2.1) ▼
Indonesia	46 (2.0) ▼
Australia	45 (2.2) ▼
Malaysia	45 (2.0) ▼
United Arab Emirates	44 (1.4) ▼
Bahrain	44 (2.2) ▼
New Zealand	43 (2.3) ▼
Oman	40 (1.8) ▼
Chile	40 (1.6) ▼
Saudi Arabia	39 (2.2) ▼
Norway	39 (2.2) ▼
Slovenia	39 (2.2) ▼
United States	37 (1.2) ▼
Qatar	36 (2.3) ▼
Ninth Grade Participants	
South Africa	53 (1.6)
Botswana	53 (2.1)
Honduras	45 (2.4) ▼
Benchmarking Participants	
Quebec, Canada	61 (2.2) ▲
Massachusetts, US	54 (3.0)
North Carolina, US	47 (4.6)
Abu Dhabi, UAE	45 (2.2) ▼
Ontario, Canada	44 (2.0) ▼
Alberta, Canada	43 (2.1) ▼
Connecticut, US	43 (3.3) ▼
Dubai, UAE	43 (2.4) ▼
Minnesota, US	40 (3.4) ▼
Florida, US	38 (4.0) ▼
Colorado, US	36 (3.9) ▼
California, US	36 (2.5) ▼
Alabama, US	35 (2.7) ▼
Indiana, US	34 (2.6) ▼

- ▲ Percent significantly higher than international average
- ▼ Percent significantly lower than international average

() Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

SOURCE: IEA's Progress in International Reading Literacy Study – PIRLS 2011

M07_10 (M032398): Value of angle x in figure
Multiple Choice (Key is B)

Country	Percent Correct
Singapore	83 (1.5) ▲
Japan	81 (1.4) ▲
Korea, Rep. of	81 (1.5) ▲
Hong Kong SAR	79 (2.0) ▲
Chinese Taipei	76 (1.5) ▲
Russian Federation	58 (2.1) ▲
Lebanon	52 (2.8) ▲
Kazakhstan	50 (2.8)
Italy	50 (2.2)
Finland	49 (2.4)
Malaysia	49 (2.2)
Israel	49 (2.2)
Hungary	49 (1.8)
Turkey	48 (1.9)
Lithuania	46 (2.3)
International Avg.	46 (0.3)
England	44 (3.3)
Ukraine	43 (2.8)
New Zealand	43 (1.8)
Australia	43 (2.1)
Sweden	43 (2.0)
Thailand	42 (1.8)
United States	42 (1.6) ▼
Ghana	42 (1.6) ▼
Armenia	41 (2.3) ▼
Saudi Arabia	41 (2.1) ▼
Jordan	40 (2.0) ▼
Slovenia	40 (2.5) ▼
Iran, Islamic Rep. of	39 (2.1) ▼
United Arab Emirates	38 (1.5) ▼
Indonesia	37 (2.2) ▼
Chile	37 (1.8) ▼
Norway	36 (2.3) ▼
Oman	35 (1.8) ▼
Georgia	35 (2.6) ▼
Bahrain	33 (1.7) ▼
Qatar	33 (2.0) ▼
Romania	33 (2.2) ▼
Macedonia, Rep. of	33 (2.6) ▼
Morocco	32 (1.7) ▼
Syrian Arab Republic	32 (2.1) ▼
Palestinian Nat'l Auth.	31 (2.0) ▼
Tunisia	27 (2.0) ▼
Ninth Grade Participants	
Botswana	40 (1.9) ▼
South Africa	32 (1.3) ▼
Honduras	10 (1.1) ▼
Benchmarking Participants	
Massachusetts, US	56 (3.4) ▲
Quebec, Canada	53 (2.3) ▲
Alberta, Canada	50 (2.2)
North Carolina, US	48 (3.2)
California, US	48 (3.9)
Minnesota, US	47 (2.9)
Ontario, Canada	43 (2.1)
Indiana, US	43 (2.8)
Florida, US	42 (3.4)
Colorado, US	41 (3.7)
Dubai, UAE	41 (2.4)
Abu Dhabi, UAE	40 (2.2) ▼
Connecticut, US	39 (2.4) ▼
Alabama, US	38 (2.4) ▼

- ▲ Percent significantly higher than international average
- ▼ Percent significantly lower than international average

() Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

SOURCE: IEA's Progress in International Reading Literacy Study – PIRLS 2011

M07_11 (M032507): Number of times spinner in red area
Multiple Choice (Key is C)

Country	Percent Correct
Singapore	70 (1.8) ▲
Korea, Rep. of	68 (1.6) ▲
Japan	60 (1.9) ▲
Hong Kong SAR	55 (2.3) ▲
Chinese Taipei	55 (2.2) ▲
England	50 (2.9) ▲
Australia	45 (2.5) ▲
United States	40 (1.3) ▲
Israel	40 (2.3) ▲
Finland	39 (1.9) ▲
New Zealand	38 (2.1) ▲
Sweden	37 (1.9) ▲
Norway	32 (2.5)
Russian Federation	32 (1.7)
International Avg.	31 (0.3)
Hungary	31 (1.7)
Slovenia	31 (2.3)
Italy	31 (1.9)
Malaysia	29 (1.7)
Turkey	29 (1.5)
Lithuania	28 (1.9)
Ukraine	26 (2.5) ▼
Chile	26 (1.7) ▼
Qatar	25 (1.9) ▼
Saudi Arabia	24 (1.8) ▼
Kazakhstan	24 (2.2) ▼
Iran, Islamic Rep. of	24 (1.8) ▼
Tunisia	24 (1.9) ▼
Bahrain	23 (1.5) ▼
United Arab Emirates	23 (1.2) ▼
Palestinian Nat'l Auth.	23 (1.9) ▼
Lebanon	23 (1.9) ▼
Romania	23 (1.8) ▼
Macedonia, Rep. of	23 (2.0) ▼
Oman	22 (1.6) ▼
Thailand	22 (1.9) ▼
Syrian Arab Republic	21 (1.9) ▼
Georgia	20 (2.3) ▼
Morocco	20 (1.3) ▼
Jordan	20 (1.9) ▼
Armenia	16 (1.7) ▼
Indonesia	14 (1.6) ▼
Ghana	13 (1.3) ▼
Ninth Grade Participants	
Botswana	20 (1.6) ▼
South Africa	18 (1.1) ▼
Honduras	13 (1.6) ▼
Benchmarking Participants	
Minnesota, US	56 (2.2) ▲
Massachusetts, US	53 (4.1) ▲
Quebec, Canada	49 (2.3) ▲
Connecticut, US	46 (3.6) ▲
Alberta, Canada	45 (2.5) ▲
North Carolina, US	44 (3.3) ▲
Colorado, US	43 (2.8) ▲
Ontario, Canada	42 (2.0) ▲
Indiana, US	38 (2.6) ▲
Florida, US	35 (3.6)
California, US	30 (3.2)
Alabama, US	28 (2.7)
Dubai, UAE	25 (1.9) ▼
Abu Dhabi, UAE	24 (2.0) ▼

- ▲ Percent significantly higher than international average
- ▼ Percent significantly lower than international average

() Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

SOURCE: IEA's Progress in International Reading Literacy Study – PIRLS 2011

M07_12 (M032424): Jo has 3 metal blocks to weigh
Multiple Choice (Key is C)

Country	Percent Correct
Korea, Rep. of	79 (1.6) ▲
Japan	76 (2.0) ▲
Singapore	75 (1.7) ▲
Finland	74 (1.9) ▲
Chinese Taipei	74 (1.6) ▲
Hong Kong SAR	68 (2.1) ▲
Russian Federation	67 (2.2) ▲
England	62 (2.8) ▲
Australia	62 (2.4) ▲
Sweden	62 (2.1) ▲
Lithuania	61 (2.4) ▲
Hungary	58 (2.3) ▲
Slovenia	58 (2.3) ▲
Israel	58 (2.4) ▲
United States	57 (1.5) ▲
New Zealand	57 (2.4) ▲
Norway	55 (2.5) ▲
Ukraine	54 (2.7) ▲
Italy	51 (2.2) ▲
Georgia	50 (2.6)
Turkey	47 (1.7)
International Avg.	47 (0.3)
Thailand	46 (2.0)
Chile	45 (1.7)
Kazakhstan	43 (2.7)
Romania	40 (2.3) ▼
Armenia	38 (2.4) ▼
United Arab Emirates	37 (1.4) ▼
Iran, Islamic Rep. of	37 (2.1) ▼
Malaysia	36 (2.4) ▼
Macedonia, Rep. of	35 (2.4) ▼
Lebanon	34 (2.4) ▼
Jordan	33 (1.9) ▼
Tunisia	32 (1.8) ▼
Qatar	32 (2.0) ▼
Bahrain	30 (2.1) ▼
Palestinian Nat'l Auth.	26 (2.0) ▼
Saudi Arabia	24 (2.1) ▼
Syrian Arab Republic	22 (2.1) ▼
Oman	22 (1.3) ▼
Morocco	18 (1.2) ▼
Indonesia	18 (1.6) ▼
Ghana	9 (0.9) ▼
Ninth Grade Participants	
Botswana	19 (1.6) ▼
South Africa	16 (1.1) ▼
Honduras	16 (1.7) ▼
Benchmarking Participants	
Massachusetts, US	69 (2.6) ▲
Quebec, Canada	67 (2.1) ▲
Minnesota, US	66 (3.2) ▲
Connecticut, US	61 (2.7) ▲
Indiana, US	61 (3.7) ▲
North Carolina, US	60 (3.8) ▲
Florida, US	60 (3.9) ▲
Alberta, Canada	59 (2.4) ▲
Colorado, US	59 (2.9) ▲
Ontario, Canada	59 (2.2) ▲
California, US	49 (3.2)
Dubai, UAE	48 (2.7)
Alabama, US	42 (2.9)
Abu Dhabi, UAE	35 (2.3) ▼

- ▲ Percent significantly higher than international average
- ▼ Percent significantly lower than international average

() Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

SOURCE: IEA's Progress in International Reading Literacy Study - PIRLS 2011

M07_13A (M032681A): Car production graph/time cars made
Constructed Response (1 Point)

Country	Percent Correct
Korea, Rep. of	87 (1.3) ▲
Japan	85 (1.6) ▲
Finland	83 (1.4) ▲
Singapore	82 (1.7) ▲
Hungary	81 (1.8) ▲
Chinese Taipei	80 (1.3) ▲
Hong Kong SAR	80 (1.6) ▲
Russian Federation	76 (2.2) ▲
Italy	75 (2.1) ▲
Australia	73 (1.9) ▲
Slovenia	72 (2.1) ▲
Lithuania	71 (1.8) ▲
Sweden	71 (1.6) ▲
England	70 (2.4) ▲
Israel	70 (2.1) ▲
Ukraine	70 (3.2) ▲
United States	70 (1.2) ▲
Thailand	68 (2.0) ▲
New Zealand	66 (2.5) ▲
Tunisia	65 (2.0) ▲
Malaysia	61 (1.6)
International Avg.	60 (0.3)
Norway	59 (2.4)
Turkey	59 (1.5)
Indonesia	57 (2.5)
United Arab Emirates	57 (1.2) ▼
Romania	55 (2.4) ▼
Chile	54 (2.3) ▼
Palestinian Nat'l Auth.	52 (2.1) ▼
Lebanon	52 (2.3) ▼
Kazakhstan	51 (2.9) ▼
Saudi Arabia	49 (2.4) ▼
Jordan	48 (2.2) ▼
Bahrain	45 (2.0) ▼
Iran, Islamic Rep. of	44 (2.0) ▼
Qatar	44 (2.2) ▼
Oman	41 (1.8) ▼
Macedonia, Rep. of	40 (2.4) ▼
Morocco	36 (1.3) ▼
Georgia	35 (2.2) ▼
Ghana	29 (2.1) ▼
Armenia	27 (2.0) ▼
Syrian Arab Republic	26 (2.3) ▼
Ninth Grade Participants	
Botswana	51 (2.0) ▼
South Africa	48 (1.5) ▼
Honduras	33 (1.9) ▼
Benchmarking Participants	
Massachusetts, US	78 (2.5) ▲
Minnesota, US	77 (2.5) ▲
Quebec, Canada	77 (1.8) ▲
Indiana, US	75 (2.2) ▲
Alberta, Canada	73 (2.1) ▲
Connecticut, US	72 (2.7) ▲
North Carolina, US	72 (2.5) ▲
Colorado, US	72 (2.6) ▲
Ontario, Canada	68 (2.2) ▲
Florida, US	67 (3.2) ▲
California, US	66 (2.1) ▲
Alabama, US	66 (3.4)
Dubai, UAE	65 (2.1) ▲
Abu Dhabi, UAE	53 (2.1) ▼

- ▲ Percent significantly higher than international average
- ▼ Percent significantly lower than international average

() Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

SOURCE: IEA's Progress in International Reading Literacy Study – PIRLS 2011

M07_13B (M032681B): Car production graph/avg by hour
Constructed Response (1 Point)

Country	Percent Correct
Chinese Taipei	65 (1.9) ▲
Japan	57 (1.7) ▲
Hong Kong SAR	56 (2.1) ▲
Finland	55 (2.3) ▲
England	52 (2.6) ▲
New Zealand	50 (2.7) ▲
Singapore	49 (1.9) ▲
United States	48 (1.4) ▲
Australia	47 (2.1) ▲
Korea, Rep. of	46 (2.0) ▲
Turkey	42 (1.7) ▲
Slovenia	40 (2.5) ▲
Hungary	37 (2.1) ▲
Sweden	36 (1.9) ▲
Thailand	36 (2.1) ▲
Israel	34 (2.0) ▲
Romania	32 (2.0)
Tunisia	31 (2.1)
Kazakhstan	30 (2.5)
International Avg.	29 (0.3)
Chile	29 (1.9)
Italy	29 (2.1)
Norway	27 (2.4)
Russian Federation	26 (1.9)
Iran, Islamic Rep. of	23 (1.6) ▼
United Arab Emirates	23 (1.1) ▼
Malaysia	23 (1.5) ▼
Lithuania	22 (1.9) ▼
Qatar	19 (2.1) ▼
Macedonia, Rep. of	19 (2.1) ▼
Indonesia	19 (1.5) ▼
Bahrain	18 (1.5) ▼
Ukraine	17 (2.0) ▼
Lebanon	16 (2.0) ▼
Armenia	13 (1.5) ▼
Ghana	13 (1.5) ▼
Georgia	11 (1.7) ▼
Jordan	10 (1.1) ▼
Oman	8 (0.9) ▼
Syrian Arab Republic	8 (1.4) ▼
Palestinian Nat'l Auth.	7 (1.1) ▼
Morocco	7 (0.8) ▼
Saudi Arabia	6 (1.0) ▼
Ninth Grade Participants	
Botswana	29 (1.6)
South Africa	23 (1.2) ▼
Honduras	23 (1.9) ▼
Benchmarking Participants	
Massachusetts, US	55 (2.8) ▲
Minnesota, US	53 (3.2) ▲
California, US	52 (2.5) ▲
Florida, US	51 (3.5) ▲
Alberta, Canada	49 (2.3) ▲
Indiana, US	46 (3.3) ▲
North Carolina, US	45 (3.4) ▲
Colorado, US	44 (3.4) ▲
Alabama, US	43 (3.2) ▲
Connecticut, US	43 (3.4) ▲
Ontario, Canada	40 (2.1) ▲
Dubai, UAE	37 (2.0) ▲
Quebec, Canada	33 (1.7)
Abu Dhabi, UAE	18 (1.9) ▼

- ▲ Percent significantly higher than international average
- ▼ Percent significantly lower than international average

() Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

SOURCE: IEA's Progress in International Reading Literacy Study - PIRLS 2011

M07_13C (M032681C): Car production graph/identify time
Constructed Response (1 Point)

Country	Percent Correct
Japan	82 (1.7) ▲
Korea, Rep. of	78 (1.8) ▲
Finland	77 (1.7) ▲
Hong Kong SAR	73 (2.1) ▲
England	70 (2.5) ▲
Chinese Taipei	69 (1.7) ▲
Singapore	67 (2.0) ▲
Sweden	64 (1.8) ▲
Australia	63 (2.3) ▲
New Zealand	61 (2.4) ▲
United States	59 (1.4) ▲
Slovenia	55 (2.4) ▲
Norway	53 (2.4) ▲
Hungary	50 (2.4) ▲
Russian Federation	47 (2.1) ▲
Israel	45 (2.2) ▲
Lithuania	35 (2.1)
Ukraine	35 (3.0)
Turkey	34 (1.7)
International Avg.	34 (0.3)
Italy	28 (2.4) ▼
Thailand	28 (1.8) ▼
Kazakhstan	25 (2.6) ▼
Chile	20 (1.4) ▼
Malaysia	20 (1.4) ▼
United Arab Emirates	20 (1.1) ▼
Qatar	17 (1.6) ▼
Bahrain	16 (1.2) ▼
Lebanon	16 (1.9) ▼
Tunisia	13 (1.4) ▼
Armenia	13 (1.6) ▼
Romania	13 (1.4) ▼
Macedonia, Rep. of	13 (1.6) ▼
Iran, Islamic Rep. of	12 (1.1) ▼
Georgia	9 (1.8) ▼
Indonesia	8 (1.0) ▼
Saudi Arabia	6 (1.1) ▼
Jordan	6 (0.9) ▼
Oman	5 (0.7) ▼
Morocco	4 (0.6) ▼
Palestinian Nat'l Auth.	3 (0.7) ▼
Ghana	3 (0.5) ▼
Syrian Arab Republic	2 (0.6) ▼
Ninth Grade Participants	
Botswana	14 (1.4) ▼
South Africa	13 (1.1) ▼
Honduras	7 (1.3) ▼
Benchmarking Participants	
Massachusetts, US	72 (2.5) ▲
Minnesota, US	70 (2.9) ▲
Indiana, US	67 (3.2) ▲
Connecticut, US	64 (2.7) ▲
Alberta, Canada	63 (2.3) ▲
Colorado, US	63 (3.2) ▲
Quebec, Canada	62 (2.0) ▲
North Carolina, US	59 (3.7) ▲
Ontario, Canada	54 (2.3) ▲
California, US	51 (3.4) ▲
Florida, US	49 (4.1) ▲
Alabama, US	40 (3.4)
Dubai, UAE	34 (2.3)
Abu Dhabi, UAE	17 (2.2) ▼

- ▲ Percent significantly higher than international average
- ▼ Percent significantly lower than international average

() Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

SOURCE: IEA's Progress in International Reading Literacy Study – PIRLS 2011



TIMSS & PIRLS
International Study Center
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BOSTON
COLLEGE

ISBN: 978-1-889938-13-4



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