



Flowers on the Roof

4th Grade PIRLS 2016

Item Statistics

PIRLS 2016 Percent Correct
Statistics for Achievement
Items

R11F01M (Flowers on the Roof): Identity of narrator
Multiple Choice (Key is B)

Country	Percent Correct	
Ireland	94 (1.3)	▲
Russian Federation	93 (1.2)	▲
Northern Ireland	93 (1.3)	▲
Poland	91 (1.4)	▲
England	90 (1.0)	▲
Denmark	90 (1.4)	▲
Czech Republic	90 (1.2)	▲
Bulgaria	90 (1.5)	▲
Hungary	89 (1.7)	▲
Slovenia	89 (1.6)	▲
Netherlands	89 (1.4)	▲
United States	88 (1.5)	▲
Austria	87 (1.4)	▲
Singapore	87 (1.2)	▲
Latvia	87 (1.4)	▲
Australia	87 (1.2)	▲
Italy	86 (1.6)	▲
Finland	86 (1.2)	▲
Belgium (Flemish)	86 (1.4)	▲
Canada	85 (1.1)	▲
Israel	85 (1.2)	▲
Norway (5)	85 (1.8)	▲
Germany	85 (1.4)	▲
Slovak Republic	84 (1.5)	▲
Portugal	83 (1.5)	▲
Lithuania	83 (2.3)	
Azerbaijan	82 (1.9)	▲
Spain	82 (1.3)	▲
New Zealand	81 (1.4)	
Sweden	80 (2.0)	
Kazakhstan	80 (1.8)	
International Avg.	78 (0.2)	
France	78 (1.9)	
Georgia	77 (1.7)	
Hong Kong SAR	77 (1.9)	
Chile	77 (1.9)	
Macao SAR	75 (1.6)	▼
Malta	73 (1.8)	▼
Belgium (French)	70 (2.0)	▼
Chinese Taipei	67 (1.8)	▼
Trinidad and Tobago	66 (2.6)	▼
Iran, Islamic Rep. of	60 (2.7)	▼
United Arab Emirates	54 (1.4)	▼
Qatar	53 (1.2)	▼
Bahrain	51 (1.9)	▼
Oman	44 (1.8)	▼
Morocco	39 (2.0)	▼
Saudi Arabia	27 (1.9)	▼
Benchmarking Participants		
Moscow City, Russian Fed.	96 (0.8)	▲
Quebec, Canada	87 (1.7)	▲
Ontario, Canada	86 (1.8)	▲
Madrid, Spain	85 (1.4)	▲
Andalusia, Spain	79 (1.8)	
Norway (4)	79 (1.7)	
Dubai, UAE	75 (1.4)	▼
Buenos Aires, Argentina	67 (2.2)	▼
Eng/Afr/Zulu - RSA (5)	44 (3.1)	▼
Abu Dhabi, UAE	43 (2.7)	▼

SOURCE: IEA's Progress in International Reading Literacy Study – PIRLS 2016

▲ 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.

R11F02M (Flowers on the Roof): Granny's farmhouse
Multiple Choice (Key is C)

Country	Percent Correct	
Norway (5)	92 (1.4)	▲
Lithuania	89 (1.6)	▲
Sweden	89 (1.3)	▲
Ireland	87 (1.7)	▲
Finland	87 (1.3)	▲
Austria	87 (1.7)	▲
Singapore	86 (1.1)	▲
Slovenia	85 (1.9)	▲
Russian Federation	85 (1.6)	▲
Bulgaria	84 (1.8)	▲
Netherlands	84 (1.7)	▲
Macao SAR	84 (1.3)	▲
Denmark	84 (1.4)	▲
Germany	84 (1.5)	▲
Northern Ireland	84 (1.5)	▲
United States	84 (1.5)	▲
Australia	83 (1.8)	▲
Canada	83 (1.2)	▲
Portugal	83 (1.7)	▲
Belgium (Flemish)	82 (1.5)	▲
Poland	82 (1.6)	▲
Latvia	82 (1.7)	▲
France	82 (1.4)	▲
Italy	81 (1.6)	
England	80 (1.7)	
New Zealand	80 (1.4)	
Spain	79 (1.3)	
Hong Kong SAR	79 (2.2)	
Chinese Taipei	79 (1.7)	
Trinidad and Tobago	78 (2.1)	
International Avg.	78 (0.3)	
Slovak Republic	78 (1.9)	
Belgium (French)	77 (2.1)	
Chile	76 (2.0)	
Hungary	76 (1.7)	
Kazakhstan	74 (2.3)	
Azerbaijan	74 (1.9)	▼
Czech Republic	74 (1.9)	▼
Israel	74 (1.8)	▼
Georgia	70 (2.4)	▼
Malta	70 (1.8)	▼
United Arab Emirates	67 (1.2)	▼
Bahrain	65 (1.6)	▼
Qatar	64 (1.6)	▼
Oman	61 (1.6)	▼
Iran, Islamic Rep. of	55 (2.6)	▼
Saudi Arabia	51 (2.2)	▼
Morocco	50 (2.5)	▼
Benchmarking Participants		
Moscow City, Russian Fed.	91 (1.1)	▲
Norway (4)	87 (1.5)	▲
Quebec, Canada	85 (2.0)	▲
Ontario, Canada	82 (2.0)	▲
Dubai, UAE	78 (1.3)	
Madrid, Spain	78 (1.7)	
Buenos Aires, Argentina	76 (1.7)	
Andalusia, Spain	76 (2.1)	
Abu Dhabi, UAE	64 (2.5)	▼
Eng/Afr/Zulu - RSA (5)	62 (1.8)	▼

SOURCE: IEA's Progress in International Reading Literacy Study – PIRLS 2016

▲ 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.

R11F03M (Flowers on the Roof): Reason Granny should move
Multiple Choice (Key is D)

Country	Percent Correct	
Sweden	93 (1.0)	▲
Ireland	92 (1.1)	▲
Chinese Taipei	92 (1.2)	▲
Norway (5)	91 (1.5)	▲
Hong Kong SAR	91 (1.3)	▲
Latvia	90 (1.4)	▲
Poland	89 (1.2)	▲
Denmark	88 (1.2)	▲
Macao SAR	88 (1.3)	▲
Finland	88 (1.4)	▲
Northern Ireland	87 (1.6)	▲
Germany	87 (1.2)	▲
Singapore	86 (1.3)	▲
Austria	86 (1.8)	▲
England	86 (1.5)	▲
Spain	85 (1.1)	▲
Canada	84 (1.2)	▲
Australia	83 (1.5)	▲
Russian Federation	83 (1.4)	▲
Kazakhstan	83 (1.7)	▲
Hungary	82 (1.8)	▲
Italy	82 (1.8)	▲
Netherlands	81 (1.8)	▲
United States	81 (1.6)	▲
Slovenia	81 (1.7)	▲
France	79 (1.7)	▲
New Zealand	79 (1.5)	▲
Bulgaria	77 (2.3)	
Czech Republic	77 (1.6)	
Belgium (Flemish)	77 (1.8)	
International Avg.	76 (0.2)	
Belgium (French)	74 (2.2)	
Trinidad and Tobago	74 (1.9)	
Israel	72 (1.9)	▼
Slovak Republic	71 (2.0)	▼
Portugal	70 (2.0)	▼
Chile	69 (2.0)	▼
Lithuania	68 (2.5)	▼
Iran, Islamic Rep. of	67 (2.6)	▼
Azerbaijan	67 (2.1)	▼
Georgia	56 (2.4)	▼
Malta	56 (1.9)	▼
United Arab Emirates	54 (1.3)	▼
Qatar	47 (1.3)	▼
Bahrain	46 (1.7)	▼
Saudi Arabia	44 (2.0)	▼
Oman	40 (1.9)	▼
Morocco	32 (2.3)	▼
Benchmarking Participants		
Moscow City, Russian Fed.	90 (1.3)	▲
Madrid, Spain	89 (1.5)	▲
Norway (4)	85 (1.7)	▲
Ontario, Canada	83 (2.2)	▲
Andalusia, Spain	82 (1.6)	▲
Quebec, Canada	81 (2.0)	▲
Buenos Aires, Argentina	72 (2.2)	
Dubai, UAE	71 (1.2)	▼
Eng/Afr/Zulu - RSA (5)	53 (2.5)	▼
Abu Dhabi, UAE	46 (2.3)	▼

SOURCE: IEA's Progress in International Reading Literacy Study – PIRLS 2016

▲ 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.

R11F04M (Flowers on the Roof): Who offered to look after animals
Multiple Choice (Key is A)

Country	Percent Correct	
Sweden	95 (0.9)	▲
Italy	93 (1.1)	▲
Ireland	93 (1.0)	▲
Czech Republic	93 (1.0)	▲
Hong Kong SAR	93 (1.2)	▲
Austria	93 (1.0)	▲
Russian Federation	92 (1.2)	▲
Poland	91 (1.2)	▲
Denmark	91 (1.2)	▲
Northern Ireland	91 (1.4)	▲
Finland	91 (1.1)	▲
Latvia	91 (1.4)	▲
Chinese Taipei	90 (1.2)	▲
Slovenia	90 (1.4)	▲
England	90 (1.1)	▲
Macao SAR	90 (1.2)	▲
Norway (5)	90 (1.4)	▲
Germany	88 (1.3)	▲
Lithuania	88 (2.1)	▲
Australia	87 (1.5)	▲
Hungary	87 (1.8)	▲
Singapore	87 (1.0)	▲
Netherlands	87 (1.6)	▲
France	87 (1.5)	▲
Kazakhstan	87 (1.4)	▲
Belgium (Flemish)	86 (1.3)	▲
Canada	86 (1.3)	▲
Slovak Republic	86 (1.6)	▲
Bulgaria	86 (2.1)	▲
Portugal	85 (1.5)	▲
New Zealand	84 (1.2)	▲
Spain	83 (1.3)	▲
United States	83 (1.8)	▲
International Avg.	83 (0.2)	
Israel	82 (1.4)	▲
Georgia	82 (2.0)	▲
Azerbaijan	81 (1.9)	▲
Belgium (French)	80 (1.7)	▲
Chile	77 (1.9)	▼
Trinidad and Tobago	75 (1.8)	▼
Iran, Islamic Rep. of	72 (3.0)	▼
Malta	69 (1.8)	▼
Qatar	61 (1.5)	▼
United Arab Emirates	61 (1.4)	▼
Bahrain	59 (1.4)	▼
Oman	55 (1.6)	▼
Saudi Arabia	50 (1.9)	▼
Morocco	44 (2.7)	▼
Benchmarking Participants		
Moscow City, Russian Fed.	95 (1.0)	▲
Madrid, Spain	89 (1.4)	▲
Quebec, Canada	88 (2.0)	▲
Ontario, Canada	87 (2.1)	▲
Andalusia, Spain	85 (1.4)	▲
Norway (4)	84 (1.7)	▲
Buenos Aires, Argentina	81 (2.0)	▲
Dubai, UAE	77 (1.4)	▼
Eng/Afr/Zulu - RSA (5)	56 (3.2)	▼
Abu Dhabi, UAE	53 (2.3)	▼

SOURCE: IEA's Progress in International Reading Literacy Study – PIRLS 2016

▲ 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.

R11F05M (Flowers on the Roof): Granny was unhappy
Multiple Choice (Key is D)

Country	Percent Correct	
Poland	93 (1.1)	▲
Bulgaria	90 (1.5)	▲
Czech Republic	90 (1.3)	▲
Latvia	89 (1.5)	▲
Russian Federation	89 (1.2)	▲
Spain	87 (1.2)	▲
Kazakhstan	87 (1.4)	▲
Lithuania	86 (1.6)	▲
Norway (5)	85 (1.7)	▲
Portugal	83 (1.4)	▲
Hong Kong SAR	82 (1.7)	▲
Italy	82 (1.6)	▲
Slovak Republic	82 (1.7)	▲
Austria	82 (1.7)	▲
Finland	81 (1.9)	▲
Azerbaijan	81 (1.7)	▲
Hungary	79 (2.1)	▲
Sweden	78 (1.9)	▲
Chinese Taipei	77 (1.6)	▲
Israel	76 (1.5)	▲
Georgia	74 (2.0)	▲
Germany	74 (1.7)	▲
France	73 (2.1)	▲
Belgium (French)	71 (2.1)	▲
Denmark	69 (2.2)	
International Avg.	67 (0.3)	
Iran, Islamic Rep. of	67 (2.7)	
Ireland	67 (1.9)	
Netherlands	65 (2.3)	
Macao SAR	65 (1.8)	
Slovenia	64 (2.6)	
Singapore	63 (1.9)	▼
Canada	63 (1.4)	▼
Northern Ireland	62 (1.9)	▼
United States	59 (1.9)	▼
England	55 (1.8)	▼
Malta	55 (2.1)	▼
Australia	52 (2.2)	▼
Belgium (Flemish)	50 (1.7)	▼
New Zealand	49 (1.6)	▼
Chile	46 (2.0)	▼
Oman	42 (1.6)	▼
Qatar	37 (1.4)	▼
Morocco	36 (2.1)	▼
Trinidad and Tobago	32 (2.4)	▼
Saudi Arabia	32 (2.2)	▼
United Arab Emirates	27 (1.1)	▼
Bahrain	26 (1.4)	▼
Benchmarking Participants		
Moscow City, Russian Fed.	95 (0.8)	▲
Madrid, Spain	92 (1.2)	▲
Andalusia, Spain	87 (1.5)	▲
Norway (4)	75 (1.8)	▲
Quebec, Canada	74 (2.2)	▲
Buenos Aires, Argentina	74 (1.9)	▲
Ontario, Canada	59 (2.7)	▼
Dubai, UAE	43 (1.8)	▼
Eng/Afr/Zulu - RSA (5)	35 (2.3)	▼
Abu Dhabi, UAE	18 (1.8)	▼

SOURCE: IEA's Progress in International Reading Literacy Study – PIRLS 2016

▲ 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.

R11F06C (Flowers on the Roof): Granny screamed
Constructed Response (1 Point)

Country	Percent Correct	
Poland	80 (1.8)	▲
Ireland	79 (1.7)	▲
Norway (5)	77 (2.0)	▲
Northern Ireland	76 (1.9)	▲
Finland	73 (2.0)	▲
Russian Federation	73 (1.9)	▲
Denmark	73 (1.8)	▲
Slovenia	72 (2.0)	▲
Latvia	72 (1.7)	▲
Hungary	71 (2.3)	▲
Germany	71 (1.9)	▲
England	70 (1.6)	▲
Austria	68 (2.0)	▲
Sweden	67 (2.4)	▲
Bulgaria	67 (2.5)	▲
United States	67 (1.9)	▲
Czech Republic	67 (1.9)	▲
Belgium (Flemish)	66 (1.6)	▲
Portugal	66 (2.1)	▲
Australia	65 (1.8)	▲
Canada	63 (1.4)	▲
Netherlands	62 (2.0)	▲
Italy	62 (2.1)	▲
Chile	60 (2.4)	
Lithuania	59 (2.4)	
New Zealand	58 (1.7)	
Slovak Republic	57 (2.1)	
International Avg.	57 (0.3)	
Kazakhstan	57 (1.9)	
Singapore	54 (1.7)	
Israel	54 (1.9)	
Spain	51 (2.0)	▼
Iran, Islamic Rep. of	50 (2.7)	▼
France	49 (2.1)	▼
Georgia	46 (2.8)	▼
Belgium (French)	46 (2.2)	▼
Azerbaijan	45 (2.5)	▼
Hong Kong SAR	44 (2.6)	▼
Malta	44 (2.1)	▼
Trinidad and Tobago	43 (2.2)	▼
Macao SAR	43 (1.8)	▼
Chinese Taipei	41 (2.0)	▼
Saudi Arabia	41 (2.0)	▼
Bahrain	30 (1.4)	▼
United Arab Emirates	26 (1.2)	▼
Qatar	25 (1.5)	▼
Morocco	21 (1.9)	▼
Oman	20 (1.3)	▼
Benchmarking Participants		
Moscow City, Russian Fed.	77 (1.6)	▲
Norway (4)	65 (2.3)	▲
Ontario, Canada	65 (2.4)	▲
Quebec, Canada	57 (2.2)	
Madrid, Spain	57 (2.0)	
Andalusia, Spain	46 (1.9)	▼
Dubai, UAE	44 (1.6)	▼
Buenos Aires, Argentina	38 (2.0)	▼
Eng/Afr/Zulu - RSA (5)	23 (2.0)	▼
Abu Dhabi, UAE	17 (1.7)	▼

SOURCE: IEA's Progress in International Reading Literacy Study – PIRLS 2016

▲ 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.

R11F07C (Flowers on the Roof): Granny crouched down
Constructed Response (2 Points)

Country	Percent Full Credit	Percent at Least 1 Point
Norway (5)	59 (1.6) ▲	70 (1.6) ▲
Ireland	52 (2.5) ▲	73 (2.4) ▲
Russian Federation	52 (2.0) ▲	66 (1.9) ▲
Austria	51 (2.0) ▲	65 (1.8) ▲
Northern Ireland	50 (2.1) ▲	74 (1.6) ▲
Hungary	50 (2.2) ▲	61 (2.3) ▲
Germany	50 (2.1) ▲	57 (2.2) ▲
Italy	49 (2.0) ▲	60 (2.1) ▲
Latvia	49 (2.3) ▲	74 (1.7) ▲
Australia	46 (2.0) ▲	64 (2.1) ▲
Denmark	45 (2.0) ▲	67 (2.0) ▲
Slovak Republic	45 (2.1) ▲	59 (1.8) ▲
Poland	44 (2.1) ▲	66 (2.2) ▲
Netherlands	43 (2.3) ▲	61 (2.0) ▲
United States	42 (2.3) ▲	61 (2.4) ▲
New Zealand	42 (1.8) ▲	59 (1.8) ▲
England	42 (1.8) ▲	63 (1.9) ▲
Portugal	41 (1.7) ▲	59 (1.9) ▲
Canada	41 (1.3) ▲	62 (1.6) ▲
Sweden	41 (2.0) ▲	60 (2.0) ▲
Spain	41 (1.4) ▲	57 (1.2) ▲
Belgium (French)	40 (1.7) ▲	51 (1.9)
France	40 (2.3)	54 (2.2)
Belgium (Flemish)	40 (1.7) ▲	57 (1.9) ▲
Czech Republic	38 (1.7)	52 (1.6)
Bulgaria	38 (2.0)	56 (2.3) ▲
Georgia	37 (2.4)	51 (2.5)
Israel	37 (1.9)	51 (2.1)
Lithuania	37 (2.0)	53 (1.9)
International Avg.	36 (0.3)	51 (0.3)
Finland	34 (1.9)	53 (2.2)
Macao SAR	31 (1.7) ▼	43 (1.8) ▼
Chinese Taipei	30 (1.8) ▼	37 (2.0) ▼
Slovenia	29 (1.9) ▼	45 (2.1) ▼
Singapore	27 (1.6) ▼	44 (1.7) ▼
Chile	27 (1.9) ▼	40 (2.0) ▼
Azerbaijan	27 (1.6) ▼	33 (1.8) ▼
Hong Kong SAR	26 (2.2) ▼	39 (2.2) ▼
Iran, Islamic Rep. of	24 (2.0) ▼	39 (2.3) ▼
Kazakhstan	24 (1.8) ▼	42 (2.2) ▼
Malta	23 (1.7) ▼	42 (2.0) ▼
Trinidad and Tobago	20 (1.7) ▼	36 (2.2) ▼
Saudi Arabia	14 (1.6) ▼	34 (2.3) ▼
Qatar	14 (0.9) ▼	25 (1.4) ▼
United Arab Emirates	13 (0.8) ▼	24 (0.9) ▼
Bahrain	13 (1.2) ▼	20 (1.3) ▼
Oman	12 (1.3) ▼	20 (1.1) ▼
Morocco	6 (1.0) ▼	10 (1.3) ▼
Benchmarking Participants		
Moscow City, Russian Fed.	60 (2.2) ▲	80 (1.7) ▲
Norway (4)	48 (2.2) ▲	58 (2.6) ▲
Madrid, Spain	46 (2.4) ▲	62 (2.0) ▲
Ontario, Canada	41 (2.8)	59 (3.1) ▲
Andalusia, Spain	39 (1.9)	58 (2.0) ▲
Quebec, Canada	37 (2.2)	60 (2.8) ▲
Buenos Aires, Argentina	27 (2.3) ▼	37 (2.4) ▼
Dubai, UAE	22 (1.4) ▼	40 (1.9) ▼
Eng/Afr/Zulu - RSA (5)	10 (1.5) ▼	21 (2.4) ▼
Abu Dhabi, UAE	9 (1.3) ▼	19 (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 2016

R11F08C (Flowers on the Roof): Granny winked and grinned
Constructed Response (1 Point)

Country	Percent Correct	
Ireland	84 (1.6)	▲
Northern Ireland	81 (1.6)	▲
Finland	80 (1.7)	▲
Portugal	80 (1.5)	▲
Norway (5)	80 (1.8)	▲
Netherlands	79 (1.6)	▲
Poland	78 (1.9)	▲
Russian Federation	76 (1.7)	▲
Denmark	76 (1.8)	▲
Canada	75 (1.3)	▲
England	74 (1.6)	▲
Belgium (Flemish)	74 (2.1)	▲
Singapore	74 (1.5)	▲
Latvia	73 (2.2)	▲
Italy	73 (2.1)	▲
Germany	72 (1.6)	▲
Sweden	72 (2.1)	▲
Spain	72 (1.4)	▲
Czech Republic	71 (1.6)	▲
Hungary	70 (2.3)	▲
Chinese Taipei	69 (2.0)	▲
Australia	69 (2.2)	▲
United States	69 (1.8)	▲
France	68 (1.9)	▲
Hong Kong SAR	68 (2.3)	
Georgia	66 (2.2)	
Austria	66 (2.1)	
Slovak Republic	66 (1.8)	
Lithuania	66 (2.0)	
New Zealand	66 (1.7)	
Slovenia	65 (2.8)	
International Avg.	64 (0.3)	
Israel	64 (2.1)	
Bulgaria	61 (2.1)	
Belgium (French)	60 (2.0)	▼
Chile	59 (2.2)	▼
Macao SAR	57 (1.9)	▼
Kazakhstan	55 (2.0)	▼
Azerbaijan	51 (2.6)	▼
Malta	51 (1.9)	▼
Trinidad and Tobago	50 (2.3)	▼
Iran, Islamic Rep. of	48 (2.8)	▼
Saudi Arabia	41 (2.4)	▼
Bahrain	36 (2.1)	▼
Qatar	35 (1.5)	▼
United Arab Emirates	35 (1.5)	▼
Oman	34 (1.7)	▼
Morocco	23 (1.6)	▼
Benchmarking Participants		
Moscow City, Russian Fed.	85 (1.4)	▲
Quebec, Canada	80 (1.8)	▲
Madrid, Spain	79 (1.9)	▲
Ontario, Canada	72 (2.2)	▲
Andalusia, Spain	65 (2.1)	
Norway (4)	65 (2.1)	
Buenos Aires, Argentina	56 (2.3)	▼
Dubai, UAE	54 (1.5)	▼
Abu Dhabi, UAE	28 (2.3)	▼
Eng/Afr/Zulu - RSA (5)	25 (2.4)	▼

SOURCE: IEA's Progress in International Reading Literacy Study – PIRLS 2016

▲ 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.

R11F09C (Flowers on the Roof): Granny made new flat like home
Constructed Response (2 Points)

Country	Percent Full Credit	Percent at Least 1 Point
Austria	87 (1.5) ▲	96 (0.8) ▲
Poland	85 (1.4) ▲	95 (0.9) ▲
Latvia	82 (1.8) ▲	96 (0.9) ▲
Belgium (Flemish)	82 (1.5) ▲	95 (0.7) ▲
Ireland	82 (1.9) ▲	95 (1.0) ▲
Czech Republic	82 (1.4) ▲	94 (1.0) ▲
Netherlands	81 (1.8) ▲	94 (1.0) ▲
Norway (5)	81 (1.9) ▲	95 (1.0) ▲
Finland	80 (1.4) ▲	91 (1.1) ▲
Russian Federation	80 (1.6) ▲	91 (1.1) ▲
Northern Ireland	80 (1.9) ▲	92 (1.2) ▲
Hungary	80 (1.9) ▲	94 (1.3) ▲
Sweden	79 (2.1) ▲	93 (1.2) ▲
Denmark	79 (1.6) ▲	91 (1.3) ▲
Slovenia	75 (2.0) ▲	90 (1.3) ▲
Slovak Republic	75 (1.7) ▲	90 (1.4) ▲
Portugal	74 (1.8) ▲	90 (1.5) ▲
Australia	73 (1.7) ▲	89 (1.3) ▲
Lithuania	73 (1.7) ▲	92 (1.7) ▲
Canada	72 (1.4) ▲	90 (0.9) ▲
United States	71 (2.2) ▲	88 (1.6) ▲
Italy	69 (2.1) ▲	85 (1.6) ▲
England	68 (1.9) ▲	87 (1.4) ▲
Germany	68 (2.0) ▲	82 (1.7) ▲
Bulgaria	68 (2.3) ▲	87 (1.5) ▲
Chinese Taipei	67 (1.7) ▲	87 (1.7) ▲
New Zealand	66 (1.8) ▲	84 (1.3) ▲
Spain	66 (1.5) ▲	87 (1.1) ▲
Belgium (French)	64 (2.0) ▲	84 (1.6) ▲
International Avg.	63 (0.3)	82 (0.2)
Singapore	63 (1.7) ▲	86 (1.2) ▲
France	63 (2.3) ▲	88 (1.2) ▲
Israel	62 (2.0) ▲	84 (1.3) ▲
Hong Kong SAR	57 (2.4) ▼	88 (1.6) ▲
Chile	57 (2.1) ▼	77 (2.0) ▼
Kazakhstan	56 (1.8) ▼	82 (1.6) ▲
Macao SAR	53 (2.1) ▼	87 (1.2) ▲
Georgia	51 (2.3) ▼	75 (2.0) ▼
Trinidad and Tobago	49 (2.0) ▼	74 (2.1) ▼
Malta	46 (2.1) ▼	66 (2.0) ▼
Iran, Islamic Rep. of	39 (2.6) ▼	55 (3.0) ▼
Azerbaijan	38 (2.1) ▼	68 (2.5) ▼
Saudi Arabia	32 (2.4) ▼	59 (2.5) ▼
United Arab Emirates	31 (1.5) ▼	56 (1.6) ▼
Bahrain	31 (1.6) ▼	64 (1.5) ▼
Qatar	29 (1.5) ▼	49 (1.2) ▼
Oman	21 (1.4) ▼	46 (1.7) ▼
Morocco	16 (1.8) ▼	37 (2.2) ▼
Benchmarking Participants		
Moscow City, Russian Fed.	87 (1.4) ▲	97 (0.6) ▲
Madrid, Spain	73 (2.3) ▲	92 (1.1) ▲
Norway (4)	72 (2.1) ▲	89 (1.5) ▲
Ontario, Canada	70 (2.3) ▲	90 (1.5) ▲
Quebec, Canada	69 (3.0) ▲	85 (2.1) ▲
Andalusia, Spain	60 (2.1) ▲	84 (1.5) ▲
Dubai, UAE	51 (1.3) ▼	76 (1.2) ▼
Buenos Aires, Argentina	48 (2.8) ▼	71 (2.5) ▼
Abu Dhabi, UAE	23 (1.8) ▼	47 (2.7) ▼
Eng/Afr/Zulu - RSA (5)	22 (2.5) ▼	42 (2.6) ▼

▲ Percent significantly higher than international average

▼ Percent significantly lower than international average

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SOURCE: IEA's Progress in International Reading Literacy Study – PIRLS 2016

R11F10C (Flowers on the Roof): How Granny feels at end of story
Constructed Response (1 Point)

Country	Percent Correct	
Austria	96 (0.8)	▲
Ireland	95 (1.0)	▲
Norway (5)	95 (1.0)	▲
Finland	94 (0.9)	▲
Denmark	94 (1.0)	▲
Poland	94 (1.1)	▲
Northern Ireland	94 (1.2)	▲
Netherlands	94 (1.0)	▲
England	93 (0.9)	▲
Czech Republic	93 (1.0)	▲
Germany	93 (1.0)	▲
Spain	92 (0.8)	▲
Latvia	92 (1.4)	▲
Hong Kong SAR	92 (1.3)	▲
Canada	92 (0.8)	▲
Australia	92 (0.9)	▲
United States	92 (1.2)	▲
Belgium (Flemish)	91 (1.1)	▲
Singapore	90 (0.9)	▲
Slovak Republic	90 (1.4)	▲
Russian Federation	90 (1.4)	▲
Portugal	88 (1.3)	▲
Hungary	88 (1.7)	▲
New Zealand	88 (1.5)	▲
Italy	87 (1.6)	▲
Slovenia	87 (1.8)	▲
Bulgaria	86 (1.5)	▲
France	86 (1.5)	▲
Israel	86 (1.4)	▲
Chile	86 (1.5)	
Belgium (French)	84 (1.6)	
International Avg.	83 (0.2)	
Lithuania	83 (1.9)	
Trinidad and Tobago	82 (1.9)	
Chinese Taipei	81 (1.6)	
Macao SAR	78 (1.5)	▼
Sweden	77 (1.8)	▼
Malta	73 (1.8)	▼
Georgia	71 (1.8)	▼
Kazakhstan	70 (2.0)	▼
United Arab Emirates	67 (1.4)	▼
Iran, Islamic Rep. of	66 (2.5)	▼
Bahrain	62 (1.5)	▼
Qatar	60 (1.3)	▼
Oman	58 (1.9)	▼
Saudi Arabia	57 (2.4)	▼
Azerbaijan	55 (2.3)	▼
Morocco	34 (1.8)	▼
Benchmarking Participants		
Moscow City, Russian Fed.	97 (0.7)	▲
Madrid, Spain	94 (1.0)	▲
Ontario, Canada	93 (1.4)	▲
Norway (4)	92 (0.9)	▲
Andalusia, Spain	89 (1.2)	▲
Quebec, Canada	89 (1.7)	▲
Buenos Aires, Argentina	82 (2.2)	
Dubai, UAE	79 (1.6)	▼
Abu Dhabi, UAE	61 (2.6)	▼
Eng/Afr/Zulu - RSA (5)	51 (2.5)	▼

SOURCE: IEA's Progress in International Reading Literacy Study – PIRLS 2016

▲ 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.

R11F11M (Flowers on the Roof): Purpose of last line of story
Multiple Choice (Key is A)

Country	Percent Correct	
Northern Ireland	79 (2.1)	▲
Ireland	79 (2.0)	▲
United States	77 (1.9)	▲
Netherlands	75 (2.2)	▲
Sweden	74 (2.0)	▲
Belgium (Flemish)	74 (1.7)	▲
Denmark	73 (2.2)	▲
England	73 (1.7)	▲
Latvia	72 (2.3)	▲
Bulgaria	71 (2.2)	▲
Australia	70 (1.7)	▲
Singapore	69 (1.6)	▲
Russian Federation	69 (2.2)	▲
Canada	69 (1.4)	▲
Italy	69 (1.9)	▲
Czech Republic	68 (1.8)	▲
Hong Kong SAR	68 (2.1)	▲
Slovak Republic	68 (1.6)	▲
Austria	66 (1.9)	▲
New Zealand	64 (1.9)	▲
Portugal	64 (2.0)	▲
Malta	64 (1.9)	▲
Lithuania	63 (2.6)	
Poland	62 (2.4)	
Germany	62 (2.2)	
Spain	61 (1.6)	
Georgia	60 (2.3)	
Macao SAR	60 (1.8)	
International Avg.	59 (0.3)	
Kazakhstan	58 (2.1)	
Finland	57 (2.1)	
Belgium (French)	55 (2.5)	
Slovenia	54 (2.1)	▼
Israel	53 (2.1)	▼
Chinese Taipei	53 (2.1)	▼
Hungary	53 (2.2)	▼
Norway (5)	51 (2.2)	▼
Chile	50 (2.2)	▼
Azerbaijan	44 (1.9)	▼
France	42 (2.1)	▼
United Arab Emirates	40 (1.0)	▼
Iran, Islamic Rep. of	39 (2.3)	▼
Qatar	38 (1.8)	▼
Bahrain	38 (1.7)	▼
Saudi Arabia	37 (1.8)	▼
Trinidad and Tobago	36 (1.9)	▼
Oman	34 (1.7)	▼
Morocco	23 (1.7)	▼
Benchmarking Participants		
Moscow City, Russian Fed.	76 (1.8)	▲
Ontario, Canada	68 (2.3)	▲
Madrid, Spain	66 (2.0)	▲
Quebec, Canada	64 (2.5)	
Andalusia, Spain	56 (2.4)	
Dubai, UAE	55 (1.5)	▼
Buenos Aires, Argentina	49 (2.2)	▼
Eng/Afr/Zulu - RSA (5)	39 (2.7)	▼
Norway (4)	38 (1.9)	▼
Abu Dhabi, UAE	34 (2.1)	▼

SOURCE: IEA's Progress in International Reading Literacy Study – PIRLS 2016

▲ 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.

R11F12C (Flowers on the Roof): Little boy's feelings
Constructed Response (2 Points)

Country	Percent Full Credit	Percent at Least 1 Point
Slovenia	47 (2.1) ▲	64 (1.6) ▲
Latvia	44 (2.3) ▲	75 (2.0) ▲
Hong Kong SAR	43 (2.8) ▲	57 (2.7) ▲
Ireland	41 (1.9) ▲	59 (2.0) ▲
Germany	40 (2.2) ▲	53 (2.2) ▲
Bulgaria	40 (2.4) ▲	69 (2.3) ▲
Sweden	40 (2.6) ▲	61 (2.4) ▲
Russian Federation	38 (2.0) ▲	60 (2.1) ▲
Austria	38 (2.2) ▲	58 (2.1) ▲
Norway (5)	38 (2.5) ▲	58 (2.3) ▲
Denmark	37 (2.3) ▲	58 (2.0) ▲
Poland	36 (1.9) ▲	52 (2.1) ▲
England	36 (1.7) ▲	47 (1.9)
Macao SAR	35 (1.7) ▲	54 (1.8) ▲
Northern Ireland	34 (1.9) ▲	56 (2.4) ▲
Israel	33 (2.3) ▲	54 (2.1) ▲
Portugal	33 (1.7) ▲	44 (1.7)
Singapore	32 (1.7) ▲	55 (1.8) ▲
Slovak Republic	32 (2.0) ▲	42 (1.9)
Hungary	32 (1.8) ▲	44 (1.9)
Canada	31 (1.3) ▲	51 (1.6) ▲
Spain	30 (1.6) ▲	49 (1.4) ▲
United States	30 (2.1)	53 (2.2) ▲
Australia	30 (1.7)	48 (1.9)
Chinese Taipei	28 (2.1)	42 (2.1)
Italy	27 (2.1)	37 (2.3) ▼
International Avg.	27 (0.3)	45 (0.3)
Lithuania	27 (1.8)	39 (2.1) ▼
Kazakhstan	25 (1.9)	60 (2.1) ▲
New Zealand	24 (1.4)	40 (1.7) ▼
Netherlands	24 (1.8)	50 (2.4) ▲
Finland	22 (1.8) ▼	43 (2.0)
Georgia	22 (1.7) ▼	52 (2.1) ▲
Malta	19 (1.5) ▼	30 (1.8) ▼
France	18 (1.7) ▼	32 (2.1) ▼
Czech Republic	18 (1.6) ▼	53 (2.1) ▲
Belgium (Flemish)	17 (1.6) ▼	33 (2.1) ▼
United Arab Emirates	16 (0.9) ▼	27 (1.3) ▼
Bahrain	16 (1.4) ▼	34 (1.7) ▼
Saudi Arabia	16 (1.5) ▼	37 (2.1) ▼
Belgium (French)	16 (1.5) ▼	27 (1.9) ▼
Qatar	15 (1.2) ▼	27 (1.3) ▼
Trinidad and Tobago	14 (1.6) ▼	38 (2.1) ▼
Chile	13 (1.6) ▼	21 (1.8) ▼
Oman	10 (1.1) ▼	23 (1.4) ▼
Iran, Islamic Rep. of	9 (1.6) ▼	20 (2.0) ▼
Azerbaijan	6 (1.1) ▼	27 (1.6) ▼
Morocco	4 (0.9) ▼	17 (1.8) ▼
Benchmarking Participants		
Moscow City, Russian Fed.	57 (2.3) ▲	76 (1.8) ▲
Madrid, Spain	41 (2.5) ▲	59 (2.0) ▲
Ontario, Canada	39 (2.8) ▲	60 (2.9) ▲
Dubai, UAE	29 (1.8)	44 (2.0)
Norway (4)	27 (1.9)	45 (2.2)
Andalusia, Spain	24 (1.9)	43 (1.8)
Buenos Aires, Argentina	20 (1.7) ▼	36 (2.1) ▼
Quebec, Canada	14 (1.7) ▼	32 (2.3) ▼
Abu Dhabi, UAE	12 (1.4) ▼	20 (1.8) ▼
Eng/Afr/Zulu - RSA (5)	9 (1.7) ▼	25 (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 2016

R11F13M (Flowers on the Roof): Lesson learned from story
Multiple Choice (Key is B)

Country	Percent Correct	
United States	87 (1.5)	▲
Russian Federation	87 (1.5)	▲
Australia	86 (1.4)	▲
Ireland	86 (1.6)	▲
Northern Ireland	86 (1.8)	▲
Norway (5)	86 (1.7)	▲
Chinese Taipei	85 (1.5)	▲
Finland	85 (1.4)	▲
Hong Kong SAR	85 (1.9)	▲
England	85 (1.4)	▲
Singapore	83 (1.2)	▲
Netherlands	83 (2.0)	▲
Macao SAR	82 (1.6)	▲
Canada	82 (1.5)	▲
Slovenia	81 (1.8)	▲
Italy	81 (1.5)	▲
Latvia	79 (1.9)	▲
Austria	79 (1.8)	▲
Denmark	78 (1.8)	▲
Spain	77 (1.4)	▲
Israel	77 (1.7)	▲
Poland	77 (1.6)	▲
Hungary	76 (2.1)	▲
New Zealand	76 (1.9)	▲
Belgium (Flemish)	76 (1.7)	▲
Sweden	75 (2.0)	▲
Germany	74 (1.8)	
Czech Republic	72 (1.8)	
International Avg.	70 (0.3)	
Slovak Republic	67 (2.1)	
Trinidad and Tobago	66 (2.1)	▼
Bulgaria	64 (2.4)	▼
Lithuania	64 (2.1)	▼
Belgium (French)	64 (1.8)	▼
Portugal	63 (1.8)	▼
Kazakhstan	61 (2.2)	▼
Malta	59 (2.0)	▼
Iran, Islamic Rep. of	56 (2.8)	▼
United Arab Emirates	54 (1.5)	▼
Chile	53 (2.2)	▼
France	52 (2.5)	▼
Georgia	50 (2.5)	▼
Azerbaijan	49 (2.2)	▼
Saudi Arabia	48 (2.1)	▼
Qatar	47 (1.4)	▼
Oman	46 (1.7)	▼
Bahrain	43 (1.7)	▼
Morocco	33 (2.2)	▼
Benchmarking Participants		
Moscow City, Russian Fed.	94 (0.9)	▲
Ontario, Canada	85 (1.7)	▲
Madrid, Spain	80 (1.6)	▲
Quebec, Canada	75 (2.0)	▲
Andalusia, Spain	73 (2.2)	
Norway (4)	73 (2.3)	
Dubai, UAE	68 (1.5)	
Buenos Aires, Argentina	51 (2.5)	▼
Abu Dhabi, UAE	46 (2.4)	▼
Eng/Afr/Zulu - RSA (5)	41 (2.2)	▼

SOURCE: IEA's Progress in International Reading Literacy Study – PIRLS 2016

▲ Percent significantly higher than international average

▼ Percent significantly lower than international average

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