

Appendix E.1: Average Mathematics Achievement and Standard Deviations by Gender

Country	Overall		Girls		Boys	
	Mean	Standard Deviation	Mean	Standard Deviation	Mean	Standard Deviation
Albania	494 (3.4)	86 (2.4)	493 (3.8)	85 (2.6)	495 (3.9)	87 (3.2)
Armenia	498 (2.5)	68 (1.5)	499 (2.6)	66 (1.3)	497 (3.2)	70 (2.1)
Australia	516 (2.8)	87 (1.9)	511 (2.9)	82 (2.0)	521 (3.3)	91 (2.3)
Austria	539 (2.0)	65 (1.1)	535 (2.8)	63 (1.4)	543 (2.1)	66 (1.3)
Azerbaijan	515 (2.7)	84 (1.7)	517 (3.1)	81 (2.2)	514 (3.1)	87 (2.1)
Bahrain	480 (2.6)	87 (1.6)	482 (3.2)	86 (2.2)	477 (3.5)	88 (1.8)
Belgium (Flemish)	532 (1.9)	68 (1.2)	527 (2.1)	66 (1.4)	538 (2.8)	68 (1.7)
Bosnia and Herzegovina	452 (2.4)	75 (1.2)	447 (2.7)	73 (1.5)	456 (2.8)	77 (1.6)
Bulgaria	515 (4.3)	86 (3.0)	514 (4.7)	84 (3.0)	516 (4.6)	88 (3.6)
Canada	512 (1.9)	76 (1.2)	502 (2.5)	74 (1.5)	521 (2.0)	77 (1.3)
Chile	441 (2.7)	75 (1.6)	437 (3.4)	73 (1.9)	445 (3.1)	76 (2.2)
Chinese Taipei	599 (1.9)	66 (1.3)	597 (2.4)	63 (1.7)	601 (2.3)	69 (1.7)
Croatia	509 (2.2)	67 (1.8)	504 (2.6)	65 (1.9)	515 (2.7)	69 (2.4)
Cyprus	532 (2.9)	79 (1.5)	523 (3.0)	76 (1.8)	542 (3.5)	80 (2.1)
Czech Republic	533 (2.5)	74 (1.8)	527 (2.7)	73 (1.9)	538 (3.1)	75 (2.2)
Denmark	525 (1.9)	73 (1.1)	521 (2.2)	70 (1.7)	528 (2.6)	76 (1.4)
England	556 (3.0)	86 (2.0)	552 (4.0)	83 (2.6)	560 (3.0)	88 (2.4)
Finland	532 (2.3)	76 (1.4)	531 (2.9)	75 (1.5)	533 (2.8)	78 (2.0)
France	485 (3.0)	80 (1.4)	478 (3.3)	78 (2.0)	491 (3.5)	81 (1.8)
Georgia	482 (3.7)	81 (1.7)	478 (3.9)	80 (1.9)	486 (4.1)	81 (2.1)
Germany	521 (2.3)	70 (1.4)	516 (2.8)	68 (1.6)	526 (2.4)	71 (1.7)
Hong Kong SAR	602 (3.3)	69 (1.5)	599 (3.5)	67 (1.9)	604 (3.9)	71 (2.3)
Hungary	523 (2.6)	78 (1.4)	518 (3.0)	76 (1.9)	529 (3.1)	79 (1.8)
Iran, Islamic Rep. of	443 (3.9)	95 (2.3)	439 (6.4)	93 (3.4)	447 (5.3)	97 (2.5)
Ireland	548 (2.5)	76 (1.3)	545 (3.2)	75 (1.7)	552 (2.9)	77 (1.7)
Italy	515 (2.4)	66 (1.0)	509 (2.7)	64 (1.3)	521 (3.2)	68 (1.3)
Japan	593 (1.8)	70 (1.0)	593 (2.2)	67 (1.3)	593 (1.9)	73 (1.3)
Kazakhstan	512 (2.5)	68 (1.4)	512 (3.0)	67 (1.8)	512 (2.6)	68 (1.5)
Korea, Rep. of	600 (2.2)	71 (1.2)	597 (2.3)	68 (1.7)	602 (2.8)	73 (1.7)
Kosovo	444 (3.0)	80 (1.5)	442 (3.1)	79 (1.7)	447 (3.7)	82 (2.0)
Kuwait	383 (4.7)	111 (2.4)	387 (6.0)	106 (2.7)	380 (6.9)	116 (3.5)
Latvia	546 (2.6)	68 (1.8)	544 (2.9)	67 (1.7)	548 (3.0)	69 (2.3)
Lithuania	542 (2.8)	76 (1.4)	540 (2.9)	74 (2.0)	544 (3.7)	77 (2.1)
Malta	509 (1.4)	76 (0.9)	505 (2.1)	74 (1.5)	513 (1.9)	79 (1.3)
Montenegro	453 (2.0)	85 (1.5)	450 (2.6)	84 (1.7)	455 (2.4)	87 (1.9)
Morocco	383 (4.3)	102 (4.0)	385 (4.8)	101 (4.2)	382 (4.3)	103 (4.2)
Netherlands	538 (2.2)	62 (1.1)	533 (2.2)	60 (1.4)	542 (3.0)	63 (1.6)
New Zealand	487 (2.6)	90 (1.3)	484 (3.7)	87 (1.7)	490 (3.3)	93 (1.8)
North Macedonia	472 (5.3)	98 (2.7)	472 (5.9)	100 (3.4)	472 (5.4)	96 (2.9)
Northern Ireland	566 (2.7)	88 (2.0)	564 (3.2)	86 (2.5)	568 (3.7)	89 (2.6)
Norway (5)	543 (2.2)	74 (1.4)	540 (2.7)	73 (2.1)	545 (2.9)	75 (1.8)
Oman	431 (3.7)	102 (2.4)	438 (3.6)	97 (2.7)	424 (4.4)	107 (2.4)
Pakistan	328 (12.0)	105 (2.6)	338 (16.4)	102 (3.6)	319 (11.8)	105 (4.4)
Philippines	297 (6.4)	110 (2.3)	315 (6.6)	106 (2.3)	280 (6.4)	111 (2.7)
Poland	520 (2.7)	77 (1.5)	516 (3.0)	74 (1.9)	524 (3.0)	80 (1.8)
Portugal	525 (2.6)	76 (1.3)	516 (2.9)	74 (1.4)	533 (2.9)	76 (1.9)
Qatar	449 (3.4)	92 (2.0)	450 (5.1)	87 (2.2)	449 (3.2)	96 (2.9)
Russian Federation	567 (3.3)	68 (1.6)	563 (3.6)	67 (1.9)	571 (3.5)	69 (1.8)
Saudi Arabia	398 (3.6)	101 (2.0)	412 (4.9)	91 (1.9)	385 (5.8)	108 (3.0)
Serbia	508 (3.2)	84 (2.2)	509 (3.4)	79 (2.2)	507 (4.0)	89 (2.9)
Singapore	625 (3.9)	79 (2.3)	621 (4.0)	76 (2.0)	629 (4.2)	81 (2.8)
Slovak Republic	510 (3.5)	77 (2.3)	503 (3.5)	74 (2.6)	516 (4.2)	79 (2.7)
South Africa (5)	374 (3.6)	100 (1.8)	384 (4.0)	99 (2.2)	364 (3.7)	100 (2.3)
Spain	502 (2.1)	73 (1.6)	495 (2.5)	70 (1.8)	509 (2.6)	75 (2.0)
Sweden	521 (2.8)	73 (1.5)	518 (3.2)	72 (1.7)	525 (3.1)	74 (2.1)
Turkey (5)	523 (4.4)	100 (2.3)	521 (4.5)	95 (2.5)	525 (5.6)	104 (2.8)
United Arab Emirates	481 (1.7)	99 (0.9)	477 (2.5)	95 (1.1)	486 (2.3)	101 (1.3)
United States	535 (2.5)	85 (1.3)	529 (3.0)	83 (1.8)	540 (2.9)	86 (1.4)
Benchmarking Participants						
Ontario, Canada	512 (3.3)	78 (1.9)	502 (4.9)	76 (2.4)	521 (3.2)	79 (2.1)
Quebec, Canada	532 (2.3)	67 (1.3)	523 (3.0)	65 (1.8)	541 (2.4)	67 (1.8)
Moscow City, Russian Fed.	593 (2.2)	62 (1.3)	588 (2.5)	61 (1.6)	597 (2.5)	63 (1.6)
Madrid, Spain	518 (2.2)	66 (1.3)	510 (2.6)	65 (1.8)	526 (2.4)	67 (1.5)
Abu Dhabi, UAE	441 (2.2)	98 (1.2)	438 (2.8)	96 (1.6)	443 (3.2)	100 (1.7)
Dubai, UAE	544 (1.6)	82 (1.6)	540 (3.2)	80 (2.4)	548 (2.3)	85 (1.6)

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