

Appendix E.3: Average Mathematics Achievement and Standard Deviations by Gender

Country	Overall		Girls		Boys	
	Mean	Standard Deviation	Mean	Standard Deviation	Mean	Standard Deviation
Australia	517 (3.8)	90 (2.5)	515 (3.6)	84 (2.0)	519 (5.5)	95 (3.8)
Bahrain	481 (1.7)	95 (1.1)	492 (2.4)	94 (1.6)	471 (2.2)	95 (1.7)
Chile	441 (2.8)	75 (1.9)	436 (3.5)	74 (2.1)	445 (3.8)	77 (2.2)
Chinese Taipei	612 (2.7)	98 (1.5)	614 (3.1)	95 (1.9)	611 (3.2)	101 (1.8)
Cyprus	501 (1.6)	82 (1.8)	503 (2.1)	77 (1.7)	499 (2.3)	85 (2.5)
Egypt	413 (5.2)	95 (2.3)	420 (5.3)	91 (2.6)	404 (7.9)	100 (3.4)
England	515 (5.3)	89 (3.4)	514 (5.6)	86 (4.2)	516 (7.2)	93 (4.1)
Finland	509 (2.6)	73 (1.6)	511 (2.6)	70 (1.9)	507 (3.2)	77 (1.9)
France	483 (2.5)	69 (1.5)	478 (2.5)	66 (1.6)	487 (3.1)	71 (2.1)
Georgia	461 (4.3)	88 (3.1)	457 (4.5)	86 (3.4)	465 (5.2)	90 (3.6)
Hong Kong SAR	578 (4.1)	91 (3.5)	582 (4.9)	85 (4.1)	575 (5.4)	95 (3.7)
Hungary	517 (2.9)	89 (2.4)	510 (3.2)	87 (2.5)	524 (3.6)	91 (2.8)
Iran, Islamic Rep. of	446 (3.7)	93 (2.7)	453 (5.0)	87 (3.1)	440 (5.6)	97 (4.0)
Ireland	524 (2.6)	73 (1.7)	524 (2.9)	70 (1.7)	523 (3.4)	76 (2.3)
Israel	519 (4.3)	99 (3.0)	514 (4.3)	95 (2.6)	525 (5.3)	103 (4.1)
Italy	497 (2.7)	71 (1.4)	491 (3.0)	70 (1.6)	504 (3.3)	72 (1.8)
Japan	594 (2.7)	84 (2.1)	593 (2.9)	80 (2.5)	595 (3.2)	89 (2.1)
Jordan	420 (4.3)	87 (2.1)	432 (3.8)	81 (1.9)	409 (6.4)	90 (2.9)
Kazakhstan	488 (3.3)	82 (1.8)	490 (3.9)	80 (1.9)	486 (3.7)	84 (2.4)
Korea, Rep. of	607 (2.8)	97 (1.9)	604 (3.4)	94 (2.3)	609 (3.1)	99 (2.3)
Kuwait	403 (5.0)	88 (2.1)	407 (5.4)	82 (2.7)	398 (7.9)	94 (3.0)
Lebanon	429 (2.9)	72 (1.6)	427 (3.5)	73 (2.2)	432 (3.3)	72 (2.0)
Lithuania	520 (2.9)	82 (1.9)	519 (2.8)	80 (2.0)	521 (3.7)	83 (2.4)
Malaysia	461 (3.2)	91 (1.7)	465 (3.0)	88 (2.0)	456 (4.1)	93 (1.8)
Morocco	388 (2.3)	72 (1.4)	386 (2.5)	72 (1.7)	391 (2.6)	71 (1.6)
New Zealand	482 (3.4)	90 (2.2)	478 (3.6)	85 (2.6)	484 (4.7)	93 (2.5)
Norway (9)	503 (2.4)	78 (1.4)	503 (2.7)	76 (1.5)	503 (3.0)	80 (2.1)
Oman	411 (2.8)	99 (1.6)	432 (3.3)	90 (1.5)	391 (4.0)	103 (2.5)
Portugal	500 (3.2)	74 (2.2)	495 (3.3)	73 (2.1)	505 (3.9)	75 (2.9)
Qatar	443 (4.0)	95 (2.7)	447 (5.0)	91 (3.1)	440 (5.4)	99 (3.2)
Romania	479 (4.3)	98 (2.2)	487 (4.6)	95 (2.3)	471 (4.7)	100 (2.6)
Russian Federation	543 (4.5)	81 (2.4)	541 (4.8)	79 (2.8)	546 (4.9)	83 (2.5)
Saudi Arabia	394 (2.5)	78 (1.2)	403 (3.4)	74 (1.5)	385 (3.4)	80 (1.6)
Singapore	616 (4.0)	89 (2.9)	617 (4.6)	83 (3.3)	614 (4.4)	94 (3.2)
South Africa (9)	389 (2.3)	77 (1.4)	393 (2.4)	77 (1.6)	386 (2.5)	77 (1.4)
Sweden	503 (2.5)	77 (1.5)	504 (3.0)	74 (1.9)	501 (2.9)	79 (1.9)
Turkey	496 (4.3)	109 (2.4)	501 (4.4)	106 (2.8)	490 (5.8)	113 (3.5)
United Arab Emirates	473 (1.9)	103 (1.1)	476 (3.4)	97 (1.9)	471 (3.4)	108 (1.7)
United States	515 (4.8)	99 (2.6)	517 (4.0)	95 (2.4)	514 (6.1)	103 (3.5)
Benchmarking Participants						
Ontario, Canada	530 (4.3)	79 (2.7)	528 (4.4)	76 (2.9)	531 (4.8)	81 (3.4)
Quebec, Canada	543 (3.7)	67 (2.4)	541 (4.3)	66 (2.5)	546 (4.0)	67 (2.8)
Moscow City, Russian Fed.	575 (4.2)	83 (2.0)	566 (4.2)	82 (1.9)	584 (4.8)	84 (2.6)
Gauteng, RSA (9)	421 (3.0)	77 (2.0)	423 (3.1)	76 (2.0)	417 (3.5)	77 (2.4)
Western Cape, RSA (9)	441 (4.4)	89 (3.0)	436 (5.1)	86 (3.6)	447 (5.4)	92 (3.6)
Abu Dhabi, UAE	436 (2.9)	104 (1.7)	441 (5.4)	100 (2.4)	431 (4.4)	107 (2.3)
Dubai, UAE	537 (2.0)	92 (1.9)	532 (4.8)	88 (2.8)	541 (5.9)	96 (3.0)

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

SOURCE: IEA's Trends in International Mathematics and Science Study - TIMSS 2019
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