

**Appendix G.4: Standard Deviations of Mathematics Achievement**

Country	Overall		Girls		Boys	
	Mean	Standard Deviation	Mean	Standard Deviation	Mean	Standard Deviation
Australia	505 (3.1)	82 (1.9)	504 (3.8)	82 (2.2)	506 (3.5)	83 (2.1)
Bahrain	454 (1.4)	80 (1.4)	462 (2.4)	73 (1.6)	446 (2.2)	86 (2.0)
Botswana (9)	391 (2.0)	83 (1.1)	400 (2.5)	78 (1.5)	381 (2.5)	87 (1.6)
Canada	527 (2.2)	70 (1.3)	525 (2.0)	67 (1.2)	530 (2.7)	72 (1.8)
Chile	427 (3.2)	80 (1.9)	418 (3.7)	79 (1.9)	436 (4.2)	80 (2.5)
Chinese Taipei	599 (2.4)	97 (1.7)	599 (2.6)	94 (1.8)	599 (3.0)	100 (2.1)
Egypt	392 (4.1)	99 (2.0)	397 (5.5)	98 (2.5)	387 (5.1)	99 (2.7)
England	518 (4.2)	80 (2.6)	520 (5.2)	82 (2.7)	517 (4.8)	78 (3.3)
Georgia	453 (3.4)	92 (1.7)	454 (3.9)	87 (2.3)	453 (4.0)	96 (2.0)
Hong Kong SAR	594 (4.6)	78 (2.8)	591 (4.7)	73 (3.1)	597 (6.0)	83 (3.5)
Hungary	514 (3.8)	93 (2.2)	510 (4.3)	92 (2.4)	519 (4.0)	94 (2.8)
Iran, Islamic Rep. of	436 (4.6)	94 (2.7)	438 (5.0)	90 (2.9)	435 (7.5)	98 (4.6)
Ireland	523 (2.7)	74 (2.3)	521 (2.6)	71 (2.5)	526 (4.0)	76 (2.7)
Israel	511 (4.1)	102 (2.3)	510 (4.3)	98 (2.4)	512 (4.8)	106 (2.8)
Italy	494 (2.5)	75 (1.8)	491 (3.0)	73 (1.8)	498 (2.8)	76 (2.3)
Japan	586 (2.3)	89 (1.3)	588 (3.1)	87 (1.9)	585 (3.0)	90 (1.8)
Jordan	386 (3.2)	94 (1.7)	395 (4.0)	89 (1.9)	376 (5.4)	98 (2.3)
Kazakhstan	528 (5.3)	93 (2.3)	531 (5.8)	92 (2.9)	525 (5.3)	94 (2.5)
Korea, Rep. of	606 (2.6)	85 (1.1)	605 (2.6)	81 (1.4)	606 (3.1)	89 (1.5)
Kuwait	392 (4.6)	91 (3.3)	396 (4.6)	83 (3.5)	389 (7.1)	99 (3.9)
Lebanon	442 (3.6)	75 (1.7)	441 (3.7)	74 (1.8)	444 (4.5)	76 (2.2)
Lithuania	511 (2.8)	77 (1.5)	510 (3.4)	76 (1.9)	513 (3.1)	78 (1.8)
Malaysia	465 (3.6)	87 (2.1)	470 (3.8)	85 (2.3)	461 (3.8)	88 (2.2)
Malta	494 (1.0)	88 (0.9)	495 (1.8)	85 (1.1)	492 (1.6)	91 (1.3)
Morocco	384 (2.3)	80 (1.3)	385 (2.3)	80 (1.2)	384 (2.6)	80 (1.5)
New Zealand	493 (3.4)	88 (2.0)	494 (3.2)	84 (1.7)	491 (4.6)	92 (3.0)
Norway (9)	512 (2.3)	70 (1.2)	511 (2.5)	69 (1.7)	512 (2.7)	71 (1.4)
Oman	403 (2.4)	96 (1.3)	420 (2.9)	88 (1.5)	388 (3.5)	100 (1.7)
Qatar	437 (3.0)	102 (2.2)	440 (3.2)	96 (2.8)	434 (4.5)	108 (3.1)
Russian Federation	538 (4.7)	82 (1.8)	533 (5.1)	82 (2.1)	543 (4.6)	81 (1.9)
Saudi Arabia	368 (4.6)	86 (2.9)	375 (5.1)	79 (2.3)	360 (7.1)	93 (4.8)
Singapore	621 (3.2)	82 (2.2)	626 (3.4)	77 (2.4)	616 (3.8)	86 (2.4)
Slovenia	516 (2.1)	69 (1.4)	515 (2.4)	69 (1.8)	518 (2.5)	70 (1.7)
South Africa (9)	372 (4.5)	87 (3.0)	376 (5.3)	87 (3.5)	369 (4.6)	87 (3.3)
Sweden	501 (2.8)	72 (1.9)	497 (3.3)	71 (2.3)	504 (3.1)	72 (2.2)
Thailand	431 (4.8)	89 (3.4)	440 (5.2)	85 (3.7)	422 (5.7)	92 (3.8)
Turkey	458 (4.7)	105 (2.8)	461 (4.8)	105 (3.0)	455 (5.3)	106 (3.1)
United Arab Emirates	465 (2.0)	98 (1.5)	471 (3.5)	91 (1.5)	459 (4.0)	104 (1.9)
United States	518 (3.1)	83 (1.6)	517 (3.3)	81 (1.7)	519 (3.2)	85 (1.6)

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2015

**Benchmarking Participants**

Buenos Aires, Argentina	396 (4.2)	89 (2.1)	391 (4.8)	89 (2.9)	401 (5.4)	88 (2.1)
Ontario, Canada	522 (2.9)	71 (1.5)	521 (2.9)	68 (1.6)	523 (3.3)	73 (2.1)
Quebec, Canada	543 (3.9)	64 (2.4)	538 (3.8)	63 (1.8)	550 (5.1)	65 (4.1)
Norway (8)	487 (2.0)	66 (1.3)	486 (2.4)	64 (1.3)	487 (2.3)	67 (1.8)
Abu Dhabi, UAE	442 (4.7)	99 (2.9)	457 (6.0)	90 (2.5)	427 (7.7)	104 (3.9)
Dubai, UAE	512 (2.1)	91 (1.8)	510 (3.7)	89 (2.2)	514 (4.3)	93 (2.7)
Florida, US	493 (6.4)	90 (3.2)	494 (7.2)	86 (3.4)	493 (6.5)	93 (3.7)

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