

Appendix G.4: Standard Deviations of Science Achievement

Country	Overall		Girls		Boys	
	Mean	Standard Deviation	Mean	Standard Deviation	Mean	Standard Deviation
Australia	512 (2.7)	82 (1.5)	510 (3.4)	80 (1.8)	515 (3.0)	83 (1.7)
Bahrain	466 (2.2)	106 (1.8)	492 (3.2)	90 (1.9)	442 (3.4)	113 (2.1)
Botswana (9)	392 (2.7)	109 (1.4)	403 (3.3)	101 (2.1)	381 (3.1)	115 (1.6)
Canada	526 (2.2)	70 (1.4)	524 (2.2)	67 (1.4)	529 (2.7)	73 (1.9)
Chile	454 (3.1)	81 (1.5)	448 (3.6)	79 (1.6)	460 (4.1)	82 (2.2)
Chinese Taipei	569 (2.1)	83 (1.2)	568 (2.3)	80 (1.3)	571 (2.6)	86 (1.8)
Egypt	371 (4.3)	115 (1.9)	377 (5.9)	113 (2.6)	364 (5.4)	116 (2.6)
England	537 (3.8)	81 (2.3)	537 (4.7)	82 (2.3)	536 (4.5)	81 (3.1)
Georgia	443 (3.1)	87 (1.7)	444 (3.3)	82 (2.0)	443 (3.9)	91 (2.3)
Hong Kong SAR	546 (3.9)	72 (2.2)	540 (4.2)	67 (2.3)	551 (4.9)	75 (3.0)
Hungary	527 (3.4)	85 (2.3)	519 (3.9)	84 (2.4)	535 (3.6)	86 (2.9)
Iran, Islamic Rep. of	456 (4.0)	89 (2.3)	459 (4.4)	86 (2.5)	454 (6.6)	93 (4.1)
Ireland	530 (2.8)	80 (2.5)	531 (2.8)	77 (2.5)	529 (3.9)	83 (3.0)
Israel	507 (3.9)	104 (2.5)	510 (4.1)	98 (2.4)	504 (4.7)	110 (3.1)
Italy	499 (2.4)	76 (1.7)	494 (3.0)	73 (1.9)	504 (2.6)	78 (2.0)
Japan	571 (1.8)	75 (1.3)	571 (2.2)	72 (1.3)	570 (2.5)	78 (2.1)
Jordan	426 (3.4)	101 (2.1)	447 (4.0)	91 (2.2)	405 (5.3)	106 (2.6)
Kazakhstan	533 (4.4)	90 (2.5)	536 (5.2)	88 (2.9)	530 (4.5)	92 (2.6)
Korea, Rep. of	556 (2.2)	78 (1.1)	554 (2.2)	73 (1.5)	557 (2.8)	82 (1.2)
Kuwait	411 (5.2)	110 (3.7)	434 (5.1)	94 (3.7)	387 (8.2)	120 (4.5)
Lebanon	398 (5.3)	102 (2.6)	403 (4.9)	99 (2.6)	393 (6.7)	105 (3.6)
Lithuania	519 (2.8)	78 (1.8)	520 (3.3)	76 (2.1)	519 (3.4)	80 (2.0)
Malaysia	471 (4.1)	94 (2.7)	476 (4.0)	89 (2.7)	466 (4.8)	98 (3.1)
Malta	481 (1.6)	106 (1.5)	485 (2.2)	103 (2.1)	477 (2.2)	110 (1.7)
Morocco	393 (2.5)	84 (1.4)	397 (2.3)	82 (1.4)	390 (3.4)	86 (1.6)
New Zealand	513 (3.1)	90 (1.9)	513 (3.2)	85 (2.0)	512 (4.3)	95 (2.7)
Norway (9)	509 (2.8)	78 (1.6)	507 (3.1)	76 (2.4)	511 (3.2)	80 (1.4)
Oman	455 (2.7)	98 (1.6)	478 (2.9)	88 (1.7)	433 (3.6)	102 (1.8)
Qatar	457 (3.0)	112 (2.0)	471 (3.6)	101 (2.8)	441 (5.2)	119 (2.6)
Russian Federation	544 (4.2)	77 (1.9)	542 (4.6)	77 (2.4)	546 (4.3)	77 (1.9)
Saudi Arabia	396 (4.5)	98 (2.7)	423 (4.9)	85 (2.2)	368 (8.0)	103 (4.4)
Singapore	597 (3.2)	86 (2.3)	596 (3.3)	81 (2.4)	597 (4.0)	91 (2.7)
Slovenia	551 (2.4)	77 (1.5)	553 (2.8)	75 (2.0)	549 (2.7)	79 (1.7)
South Africa (9)	358 (5.6)	108 (3.6)	362 (6.7)	107 (4.1)	353 (5.5)	108 (3.7)
Sweden	522 (3.4)	86 (2.4)	523 (4.2)	84 (3.5)	522 (3.5)	86 (2.1)
Thailand	456 (4.2)	81 (2.3)	465 (4.4)	76 (2.5)	445 (5.2)	85 (2.8)
Turkey	493 (4.0)	96 (2.0)	503 (4.1)	91 (2.3)	484 (4.5)	99 (2.4)
United Arab Emirates	477 (2.3)	105 (1.6)	492 (3.5)	94 (1.6)	461 (4.4)	114 (1.9)
United States	530 (2.8)	82 (1.4)	527 (3.1)	79 (1.5)	533 (3.0)	84 (1.7)

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

Benchmarking Participants

Buenos Aires, Argentina	386 (4.2)	98 (2.4)	386 (4.8)	97 (2.8)	386 (6.2)	98 (3.0)
Ontario, Canada	524 (2.5)	71 (1.8)	523 (2.8)	67 (1.6)	524 (3.0)	75 (2.5)
Quebec, Canada	530 (4.4)	68 (2.7)	523 (4.4)	65 (2.7)	537 (5.5)	70 (3.8)
Norway (8)	489 (2.4)	76 (1.8)	490 (3.1)	73 (1.7)	489 (2.7)	79 (2.4)
Abu Dhabi, UAE	454 (5.6)	108 (3.0)	481 (6.6)	93 (2.3)	428 (8.2)	115 (3.7)
Dubai, UAE	525 (2.0)	95 (2.0)	529 (3.6)	90 (2.6)	520 (4.7)	100 (3.1)
Florida, US	508 (6.0)	90 (2.7)	507 (6.8)	85 (2.8)	510 (6.4)	94 (3.8)

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