



Appendix G.1: Percentiles of Science Achievement (Continued)

Country	5 h Percentile	10 h Percentile	25 h Percentile	50 h Percentile	75 h Percentile	90 h Percentile	95 h Percentile
Sixth Grade Participants							
Botswana	149 (6.9)	190 (4.2)	271 (6.3)	375 (6.7)	466 (6.0)	535 (7.0)	572 (10.8)
Honduras	291 (10.2)	321 (11.8)	375 (7.3)	435 (5.6)	491 (6.5)	539 (7.0)	568 (6.4)
Yemen	144 (15.5)	187 (11.5)	264 (8.5)	351 (6.7)	432 (5.5)	494 (7.1)	529 (5.9)
Benchmarking Participants							
Alberta, Canada	419 (5.7)	450 (4.6)	496 (3.6)	545 (2.5)	590 (3.2)	628 (3.0)	650 (4.5)



Appendix G.3: Standard Deviations of Science Achievements (Continued)



Country	Overall		Girl		Boy	
	Mean	Standard Deviation	Mean	Standard Deviation	Mean	Standard Deviation
Sixth Grade Participants						
Botswana	367 (5.5)	131 (2.9)	374 (5.8)	125 (2.9)	360 (6.4)	136 (3.4)
Honduras	432 (5.8)	85 (3.4)	429 (6.1)	83 (3.7)	436 (6.3)	87 (3.8)
Yemen	345 (7.0)	117 (2.7)	355 (8.8)	114 (4.4)	338 (8.4)	119 (2.9)
Benchmarking Participants						
Alberta, Canada	541 (2.4)	71 (1.8)	537 (2.9)	71 (2.4)	545 (2.8)	70 (1.9)
Ontario, Canada	528 (3.0)	77 (1.5)	525 (3.1)	73 (1.5)	530 (3.8)	80 (2.1)
Quebec, Canada	516 (2.7)	59 (1.1)	512 (3.0)	57 (1.4)	520 (3.0)	60 (1.3)
Abu Dhabi, UAE	411 (4.9)	109 (2.4)	427 (5.8)	99 (2.9)	396 (6.8)	117 (3.1)
Dubai, UAE	461 (2.3)	113 (1.8)	462 (3.8)	105 (2.4)	461 (4.7)	120 (2.3)
Florida, US	545 (3.7)	75 (1.7)	540 (3.8)	73 (1.9)	549 (4.3)	77 (2.3)
North Carolina, US	538 (4.6)	77 (2.2)	534 (5.1)	76 (2.5)	543 (4.9)	78 (2.5)

SOURCE: IEA's Trends in International Mathematics and Science Study – TIMSS 2011

Appendix G.4:

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