

Appendix E.2: Average Science Achievement and Standard Deviations by Gender

Country	Overall		Girls		Boys	
	Mean	Standard Deviation	Mean	Standard Deviation	Mean	Standard Deviation
Albania	489 (3.5)	85 (2.4)	494 (3.9)	84 (2.5)	485 (3.9)	86 (3.2)
Armenia	466 (3.4)	77 (1.6)	471 (3.5)	75 (1.8)	462 (4.0)	79 (2.1)
Australia	533 (2.4)	79 (1.4)	533 (2.9)	75 (1.6)	532 (2.7)	83 (1.9)
Austria	522 (2.6)	74 (1.4)	519 (3.1)	72 (1.5)	525 (3.0)	76 (1.9)
Azerbaijan	427 (3.3)	97 (2.0)	429 (3.9)	94 (2.5)	425 (3.5)	99 (2.3)
Bahrain	493 (3.4)	92 (2.2)	510 (3.8)	86 (2.2)	476 (5.1)	95 (2.9)
Belgium (Flemish)	501 (2.1)	67 (1.0)	499 (2.3)	66 (1.3)	503 (2.8)	68 (1.4)
Bosnia and Herzegovina	459 (2.9)	79 (1.1)	462 (3.1)	76 (1.4)	455 (3.5)	81 (1.7)
Bulgaria	521 (4.9)	103 (3.5)	525 (5.3)	101 (3.7)	518 (5.4)	105 (4.2)
Canada	523 (1.9)	72 (1.0)	520 (2.1)	71 (1.3)	526 (2.2)	73 (1.3)
Chile	469 (2.6)	75 (1.3)	466 (3.1)	74 (1.5)	472 (3.3)	76 (1.9)
Chinese Taipei	558 (1.8)	65 (1.3)	557 (2.0)	62 (1.9)	559 (2.2)	68 (1.6)
Croatia	524 (2.2)	59 (1.3)	524 (2.6)	57 (1.6)	524 (2.7)	61 (1.9)
Cyprus	511 (3.0)	75 (1.4)	509 (2.8)	73 (1.8)	514 (4.1)	77 (1.8)
Czech Republic	534 (2.6)	69 (1.8)	529 (3.0)	68 (2.1)	538 (3.0)	69 (2.0)
Denmark	522 (2.4)	68 (1.1)	523 (2.7)	66 (1.4)	522 (2.8)	71 (1.4)
England	537 (2.7)	71 (1.8)	537 (3.6)	69 (2.1)	537 (2.7)	74 (2.5)
Finland	555 (2.6)	71 (1.5)	557 (3.5)	69 (1.9)	552 (2.4)	72 (1.7)
France	488 (3.0)	78 (1.3)	489 (3.2)	78 (1.6)	487 (3.4)	78 (1.9)
Georgia	454 (3.9)	84 (2.0)	452 (4.7)	83 (2.6)	457 (4.2)	84 (2.4)
Germany	518 (2.2)	77 (1.6)	516 (2.8)	76 (1.8)	520 (2.4)	78 (1.8)
Hong Kong SAR	531 (3.3)	71 (1.7)	531 (3.1)	69 (2.0)	531 (4.3)	73 (2.1)
Hungary	529 (2.7)	77 (1.5)	526 (3.2)	75 (2.2)	533 (3.1)	78 (2.0)
Iran, Islamic Rep. of	441 (4.1)	98 (2.3)	440 (6.6)	98 (3.6)	442 (5.4)	97 (2.2)
Ireland	528 (3.2)	75 (1.8)	526 (3.8)	74 (2.0)	530 (3.4)	76 (2.0)
Italy	510 (3.0)	65 (1.5)	506 (3.3)	65 (1.7)	514 (3.3)	65 (2.1)
Japan	562 (1.8)	69 (1.6)	565 (2.0)	64 (1.9)	559 (2.1)	73 (1.8)
Kazakhstan	494 (3.1)	76 (2.1)	497 (3.6)	76 (2.2)	491 (3.1)	77 (2.3)
Korea, Rep. of	588 (2.1)	67 (1.6)	583 (2.4)	63 (1.4)	592 (2.5)	70 (2.3)
Kosovo	413 (3.7)	87 (1.8)	420 (4.2)	85 (2.1)	407 (4.0)	88 (2.3)
Kuwait	392 (6.1)	122 (2.9)	413 (6.9)	114 (2.7)	374 (8.7)	127 (4.2)
Latvia	542 (2.4)	63 (1.7)	544 (2.6)	63 (1.8)	540 (3.0)	64 (2.1)
Lithuania	538 (2.5)	73 (1.4)	540 (2.8)	72 (1.9)	536 (3.3)	74 (1.9)
Malta	496 (1.3)	84 (1.2)	493 (2.1)	81 (2.1)	498 (2.4)	86 (1.4)
Montenegro	453 (2.5)	89 (1.3)	457 (2.9)	87 (1.7)	451 (2.8)	91 (1.8)
Morocco	374 (5.8)	121 (3.3)	379 (6.4)	119 (3.9)	370 (5.8)	122 (3.8)
Netherlands	518 (2.9)	65 (1.5)	519 (3.1)	62 (1.8)	518 (3.3)	67 (2.0)
New Zealand	503 (2.3)	82 (1.4)	505 (3.2)	80 (1.7)	500 (2.8)	84 (1.7)
North Macedonia	426 (6.2)	103 (2.9)	433 (6.5)	103 (3.5)	419 (6.7)	102 (3.1)
Northern Ireland	518 (2.3)	71 (1.5)	519 (2.9)	70 (1.7)	518 (2.8)	72 (2.1)
Norway (5)	539 (2.2)	67 (1.4)	541 (2.4)	65 (1.7)	538 (3.1)	68 (2.1)
Oman	435 (4.1)	118 (2.4)	447 (3.8)	110 (2.7)	423 (5.0)	124 (2.6)
Pakistan	290 (13.4)	126 (3.4)	311 (15.4)	119 (4.5)	273 (14.5)	129 (4.9)
Philippines	249 (7.5)	124 (2.8)	261 (7.8)	123 (3.0)	238 (7.8)	124 (3.0)
Poland	531 (2.6)	74 (1.4)	532 (2.8)	71 (2.1)	529 (3.2)	76 (1.7)
Portugal	504 (2.6)	67 (1.0)	501 (3.1)	66 (1.2)	506 (2.7)	67 (1.5)
Qatar	449 (3.9)	104 (2.3)	456 (6.0)	99 (2.9)	443 (3.7)	109 (2.8)
Russian Federation	567 (3.0)	64 (1.6)	567 (3.5)	63 (1.8)	568 (3.3)	64 (1.8)
Saudi Arabia	402 (4.1)	112 (2.5)	434 (4.8)	97 (2.3)	373 (6.5)	116 (3.1)
Serbia	517 (3.5)	81 (2.7)	521 (3.5)	78 (2.6)	513 (4.3)	84 (3.7)
Singapore	595 (3.4)	78 (2.1)	591 (3.6)	75 (2.0)	598 (3.8)	80 (2.6)
Slovak Republic	521 (3.7)	81 (3.3)	518 (3.8)	79 (3.4)	523 (4.4)	82 (4.0)
South Africa (5)	324 (4.9)	133 (2.5)	335 (5.4)	132 (3.1)	314 (5.2)	133 (3.0)
Spain	511 (2.0)	67 (1.3)	511 (2.4)	65 (1.8)	512 (2.5)	69 (1.9)
Sweden	537 (3.3)	74 (1.9)	538 (3.6)	72 (1.8)	536 (3.8)	75 (2.5)
Turkey (5)	526 (4.2)	91 (2.6)	524 (4.4)	87 (3.0)	529 (5.2)	94 (3.0)
United Arab Emirates	473 (2.1)	113 (1.0)	475 (3.1)	109 (1.4)	471 (2.6)	117 (1.4)
United States	539 (2.7)	84 (1.5)	536 (3.0)	83 (1.7)	541 (3.2)	86 (1.8)
Benchmarking Participants						
Ontario, Canada	524 (3.2)	74 (1.7)	522 (4.0)	73 (2.3)	526 (3.3)	75 (2.0)
Quebec, Canada	522 (2.5)	65 (1.3)	519 (2.7)	64 (1.3)	525 (3.0)	66 (1.9)
Moscow City, Russian Fed.	595 (2.2)	63 (1.7)	595 (2.5)	61 (1.6)	595 (2.6)	64 (2.1)
Madrid, Spain	523 (2.0)	61 (1.2)	521 (2.5)	61 (1.7)	524 (2.3)	61 (1.4)
Abu Dhabi, UAE	418 (2.8)	116 (1.4)	422 (3.8)	114 (1.9)	413 (3.9)	119 (1.8)
Dubai, UAE	545 (1.7)	86 (1.5)	545 (3.6)	84 (2.6)	544 (2.4)	88 (1.6)

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