

Exhibit 2.5: Average Science Achievement by Gender

Country	Girls		Boys		Difference (Absolute Value)	Gender Difference	
	Percent of Students	Average Scale Score	Percent of Students	Average Scale Score		Girls Scored Higher	Boys Scored Higher
² Saudi Arabia	48 (0.8)	434 (4.8)	52 (0.8)	373 (6.5)	60 (8.3)		
Kuwait	47 (2.6)	413 (6.9)	53 (2.6)	374 (8.7)	39 (10.3)		
² Pakistan	45 (4.7)	311 (15.4)	55 (4.7)	273 (14.5)	38 (15.8)		
Bahrain	49 (1.2)	510 (3.8)	51 (1.2)	476 (5.1)	34 (6.1)		
Oman	50 (0.7)	447 (3.8)	50 (0.7)	423 (5.0)	24 (3.6)		
² Philippines	48 (0.7)	261 (7.8)	52 (0.7)	238 (7.8)	24 (4.9)		
[✱] South Africa (5)	50 (0.6)	335 (5.4)	50 (0.6)	314 (5.2)	21 (3.9)		
North Macedonia	48 (0.6)	433 (6.5)	52 (0.6)	419 (6.7)	14 (4.3)		
² Kosovo	49 (1.0)	420 (4.2)	51 (1.0)	407 (4.0)	13 (3.6)		
Qatar	50 (1.5)	456 (6.0)	50 (1.5)	443 (3.7)	13 (6.1)		
Armenia	48 (0.8)	471 (3.5)	52 (0.8)	462 (4.0)	9 (3.1)		
^ψ Morocco	49 (0.7)	379 (6.4)	51 (0.7)	370 (5.8)	9 (3.7)		
Albania	49 (0.9)	494 (3.9)	51 (0.9)	485 (3.9)	8 (3.4)		
Bulgaria	48 (0.9)	525 (5.3)	52 (0.9)	518 (5.4)	7 (4.3)		
² Serbia	50 (0.9)	521 (3.5)	50 (0.9)	513 (4.3)	7 (3.5)		
Bosnia and Herzegovina	49 (0.7)	462 (3.1)	51 (0.7)	455 (3.5)	7 (2.9)		
² Kazakhstan	49 (0.7)	497 (3.6)	51 (0.7)	491 (3.1)	6 (2.8)		
Montenegro	47 (0.6)	457 (2.9)	53 (0.6)	451 (2.8)	6 (2.8)		
Japan	48 (0.5)	565 (2.0)	52 (0.5)	559 (2.1)	6 (2.0)		
Finland	49 (0.9)	557 (3.5)	51 (0.9)	552 (2.4)	5 (3.1)		
² Latvia	50 (0.9)	544 (2.6)	50 (0.9)	540 (3.0)	5 (2.9)		
² New Zealand	48 (1.3)	505 (3.2)	52 (1.3)	500 (2.8)	5 (3.9)		
² Lithuania	49 (0.9)	540 (2.8)	51 (0.9)	536 (3.3)	4 (3.4)		
United Arab Emirates	50 (1.1)	475 (3.1)	50 (1.1)	471 (2.6)	4 (4.0)		
Azerbaijan	47 (0.9)	429 (3.9)	53 (0.9)	425 (3.5)	4 (3.2)		
[†] Norway (5)	48 (0.9)	541 (2.4)	52 (0.9)	538 (3.1)	3 (3.5)		
Poland	49 (0.8)	532 (2.8)	51 (0.8)	529 (3.2)	3 (3.0)		
Sweden	50 (1.1)	538 (3.6)	50 (1.1)	536 (3.8)	2 (3.3)		
France	49 (1.0)	489 (3.2)	51 (1.0)	487 (3.4)	2 (2.8)		
[†] Northern Ireland	50 (1.0)	519 (2.9)	50 (1.0)	518 (2.8)	1 (3.4)		
[†] Denmark	50 (0.8)	523 (2.7)	50 (0.8)	522 (2.8)	1 (2.8)		
Australia	49 (0.8)	533 (2.9)	51 (0.8)	532 (2.7)	1 (2.9)		
[≡] Netherlands	49 (1.0)	519 (3.1)	51 (1.0)	518 (3.3)	0 (2.8)		
Croatia	50 (1.2)	524 (2.6)	50 (1.2)	524 (2.7)	0 (3.1)		
[†] Hong Kong SAR	46 (1.3)	531 (3.1)	54 (1.3)	531 (4.3)	0 (3.6)		
² England	50 (1.0)	537 (3.6)	50 (1.0)	537 (2.7)	0 (3.5)		
² Russian Federation	51 (1.1)	567 (3.5)	49 (1.1)	568 (3.3)	1 (3.0)		
Spain	47 (0.8)	511 (2.4)	53 (0.8)	512 (2.5)	1 (2.9)		
Iran, Islamic Rep. of	49 (2.1)	440 (6.6)	51 (2.1)	442 (5.4)	2 (8.7)		
Chinese Taipei	48 (0.6)	557 (2.0)	52 (0.6)	559 (2.2)	2 (2.3)		
[†] Belgium (Flemish)	51 (0.8)	499 (2.3)	49 (0.8)	503 (2.8)	4 (2.9)		
Cyprus	52 (0.7)	509 (2.8)	48 (0.7)	514 (4.1)	4 (3.3)		
Ireland	50 (1.1)	526 (3.8)	50 (1.1)	530 (3.4)	4 (3.5)		
Germany	50 (0.8)	516 (2.8)	50 (0.8)	520 (2.4)	4 (2.8)		
Malta	49 (0.7)	493 (2.1)	51 (0.7)	498 (2.4)	5 (3.7)		
¹ Georgia	49 (0.9)	452 (4.7)	51 (0.9)	457 (4.2)	5 (4.1)		
^{1 2} Canada	49 (0.8)	520 (2.1)	51 (0.8)	526 (2.2)	5 (2.1)		
² Turkey (5)	52 (1.4)	524 (4.4)	48 (1.4)	529 (5.2)	5 (4.6)		
² Slovak Republic	49 (1.0)	518 (3.8)	51 (1.0)	523 (4.4)	5 (3.8)		
² United States	49 (0.8)	536 (3.0)	51 (0.8)	541 (3.2)	5 (2.7)		
² Portugal	48 (0.9)	501 (3.1)	52 (0.9)	506 (2.7)	6 (2.9)		
Austria	49 (1.0)	519 (3.1)	51 (1.0)	525 (3.0)	6 (3.3)		
Chile	50 (1.3)	466 (3.1)	50 (1.3)	472 (3.3)	6 (3.7)		
Hungary	48 (1.0)	526 (3.2)	52 (1.0)	533 (3.1)	6 (3.3)		
Italy	50 (0.8)	506 (3.3)	50 (0.8)	514 (3.3)	8 (2.8)		
³ Singapore	49 (0.5)	591 (3.6)	51 (0.5)	598 (3.8)	8 (2.8)		
Czech Republic	49 (0.9)	529 (3.0)	51 (0.9)	538 (3.0)	8 (3.1)		
Korea, Rep. of	47 (0.7)	583 (2.4)	53 (0.7)	592 (2.5)	9 (2.5)		
International Average	49 (0.2)	493 (0.6)	51 (0.2)	489 (0.6)			
Benchmarking Participants							
Abu Dhabi, UAE	50 (1.5)	422 (3.8)	50 (1.5)	413 (3.9)	9 (5.3)		
² Dubai, UAE	49 (2.4)	545 (3.6)	51 (2.4)	544 (2.4)	2 (5.0)		
Moscow City, Russian Fed.	49 (1.0)	595 (2.5)	51 (1.0)	595 (2.6)	0 (2.5)		
Madrid, Spain	49 (1.0)	521 (2.5)	51 (1.0)	524 (2.3)	3 (2.6)		
² Ontario, Canada	49 (1.6)	522 (4.0)	51 (1.6)	526 (3.3)	4 (3.7)		
Quebec, Canada	48 (0.8)	519 (2.7)	52 (0.8)	525 (3.0)	6 (2.5)		

■ Difference statistically significant
 ■ Difference not statistically significant

ψ Reservations about reliability because the percentage of students with achievement too low for estimation exceeds 15% but does not exceed 25%.
 ✱ Reservations about reliability because the percentage of students with achievement too low for estimation exceeds 25%.
 See Appendix B.2 for target population coverage notes 1, 2, and 3. See Appendix B.5 for sampling guidelines and sampling participation notes †, ‡, and ≡.
 () Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.