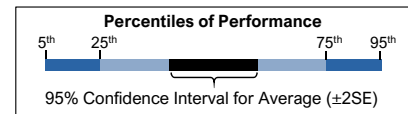


Exhibit 1.2.1: Average Mathematics Achievement and Scale Score Distributions

Country	Average Scale Score	95% Confidence Interval for Average	Standard Deviation	Mathematics Achievement Distribution
<sup>3</sup> Singapore	605 (6.1)	593 - 617	97 (3.5)	
Chinese Taipei	602 (3.1)	596 - 608	98 (1.9)	
Korea, Rep. of	596 (3.0)	590 - 602	98 (1.5)	
<sup>†</sup> Japan	595 (3.0)	589 - 601	84 (1.5)	
<sup>†</sup> Hong Kong SAR	575 (5.0)	565 - 585	98 (4.3)	
<sup>2</sup> England	525 (4.5)	516 - 534	97 (2.7)	
Ireland	522 (2.7)	516 - 527	79 (1.7)	
<sup>2</sup> Czech Republic	518 (2.3)	514 - 523	84 (1.4)	
<sup>2</sup> Sweden	517 (2.4)	513 - 522	82 (1.4)	
<sup>2</sup> Lithuania	514 (3.1)	507 - 520	92 (1.9)	
<sup>2</sup> Austria	512 (2.3)	508 - 517	74 (1.6)	
Australia	509 (3.5)	502 - 516	93 (2.3)	
<sup>3†</sup> Türkiye	509 (4.3)	500 - 517	114 (2.3)	
Hungary	506 (3.7)	499 - 513	91 (2.7)	
Finland	504 (2.6)	499 - 509	82 (1.4)	
<sup>2</sup> Norway (9)	501 (2.3)	496 - 505	82 (0.9)	
Italy	501 (3.0)	495 - 506	85 (1.4)	
Malta	499 (1.2)	497 - 502	90 (1.2)	
<sup>≡</sup> Romania	496 (4.9)	486 - 505	100 (2.8)	
Cyprus	494 (2.7)	489 - 499	93 (2.1)	
United Arab Emirates	489 (1.7)	485 - 492	104 (1.4)	
<sup>≡</sup> United States	488 (4.2)	480 - 496	94 (1.9)	
<sup>3</sup> Israel	487 (3.9)	480 - 495	100 (2.9)	
France	479 (3.1)	473 - 485	81 (1.8)	
Azerbaijan	479 (3.7)	471 - 486	102 (2.8)	
Portugal	475 (2.7)	470 - 481	83 (1.3)	
<sup>1</sup> Georgia	467 (3.2)	460 - 473	92 (2.1)	
Kazakhstan	454 (3.5)	447 - 461	92 (2.9)	
Qatar	451 (4.2)	443 - 460	100 (2.8)	
Bahrain	426 (2.4)	422 - 431	99 (1.7)	
<sup>ψ</sup> Iran, Islamic Rep. of	423 (3.6)	416 - 430	90 (2.6)	
Uzbekistan	421 (4.3)	412 - 429	88 (2.7)	
<sup>†</sup> Chile	416 (3.2)	410 - 422	84 (2.1)	
Oman	411 (2.7)	406 - 416	91 (1.3)	
Malaysia	411 (3.5)	404 - 418	88 (1.8)	
<sup>ψ</sup> Kuwait	399 (5.2)	388 - 409	95 (3.4)	
<sup>2</sup> Saudi Arabia	397 (3.3)	390 - 403	83 (1.5)	
<sup>ψ</sup> South Africa (9)	397 (3.1)	390 - 403	78 (2.4)	
Jordan	388 (3.2)	382 - 395	87 (1.7)	
<sup>ψ</sup> Palestinian Nat'l Auth.	382 (3.0)	376 - 387	89 (1.4)	
<sup>ψ</sup> Brazil	378 (2.8)	373 - 383	89 (2.7)	
Morocco	378 (3.0)	372 - 384	75 (1.5)	
<b>TIMSS 2023 International Average</b>	<b>478 (0.5)</b>	<b>477 - 479</b>		
<sup>≡</sup> New Zealand	485 (4.1)	478 - 493	96 (2.3)	
<sup>✕</sup> Cote d'Ivoire	263 (4.9)	253 - 273	75 (4.7)	
<b>Benchmarking Participants</b>				
Dubai, UAE	546 (2.8)	540 - 551	98 (2.1)	
Sharjah, UAE	496 (4.8)	486 - 505	92 (3.2)	
Abu Dhabi, UAE	454 (2.8)	448 - 459	100 (1.7)	



The TIMSS achievement scale was established in 1995 based on the combined achievement distribution of all countries that participated in TIMSS 1995. To provide a point of reference for country comparisons, the scale centerpoint of 500 was located at the mean of the combined achievement distribution. The units of the scale were chosen so that 100 scale score points corresponded to the standard deviation of the combined achievement distribution.

( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.  
 See Appendix B.7 for population coverage notes 1, 2, and 3. See Appendix B.10 for sampling guidelines and sampling participation notes †, ‡, and ≡.  
 ψ Reservations about reliability because the percentage of students with achievement too low for estimation exceeds 15% but does not exceed 25%.  
 ✕ Average achievement not reliably measured because the percentage of students with achievement too low for estimation exceeds 25%.  
 ✕ New Zealand did not satisfy guidelines for minimum school participation rates. Achievement could not be reliably estimated for Cote d'Ivoire.