

Exhibit D.3: Percentiles of Mathematics Achievement

Country	5 th Percentile	10 th Percentile	25 th Percentile	50 th Percentile	75 th Percentile	90 th Percentile	95 th Percentile
Australia	351 (7.8)	387 (6.5)	444 (4.6)	510 (4.1)	575 (3.7)	628 (4.3)	659 (4.7)
Austria	385 (6.3)	414 (4.9)	464 (3.9)	516 (2.4)	563 (3.0)	604 (3.4)	627 (3.9)
Azerbaijan	305 (7.6)	343 (6.6)	409 (5.2)	483 (4.6)	553 (4.4)	607 (4.5)	637 (5.7)
Bahrain	275 (3.8)	303 (3.0)	354 (4.2)	420 (3.1)	493 (3.7)	556 (4.5)	596 (4.6)
Brazil	243 (2.8)	269 (2.8)	316 (2.3)	372 (2.6)	434 (3.8)	495 (6.7)	532 (9.1)
Chile	283 (6.3)	310 (5.6)	358 (4.8)	414 (3.7)	472 (3.0)	526 (4.0)	557 (5.2)
Chinese Taipei	425 (4.5)	466 (5.7)	541 (4.0)	611 (3.3)	670 (4.0)	721 (3.5)	752 (5.0)
Cote d'Ivoire	148 (4.1)	172 (3.7)	212 (3.6)	258 (3.6)	309 (5.3)	361 (12.3)	397 (17.1)
Cyprus	337 (5.1)	370 (3.0)	431 (3.5)	497 (3.3)	559 (4.2)	610 (5.6)	638 (6.9)
Czech Republic	381 (4.7)	411 (4.3)	461 (3.7)	518 (2.5)	575 (2.5)	625 (3.0)	655 (4.1)
England	353 (8.4)	391 (7.1)	461 (6.2)	532 (5.5)	593 (5.5)	645 (6.5)	676 (6.6)
Finland	368 (5.5)	398 (4.4)	448 (3.2)	505 (3.1)	560 (2.8)	609 (3.5)	637 (3.5)
France	342 (6.4)	372 (5.4)	423 (3.9)	481 (3.6)	536 (3.3)	582 (3.5)	608 (4.2)
Georgia	318 (5.4)	348 (4.5)	400 (4.0)	466 (5.1)	532 (3.9)	586 (4.3)	615 (5.2)
Hong Kong SAR	399 (8.8)	440 (9.7)	517 (6.0)	584 (4.5)	641 (5.5)	690 (9.1)	721 (10.9)
Hungary	350 (7.4)	386 (6.8)	446 (4.8)	511 (3.9)	572 (4.0)	619 (4.9)	646 (4.5)
Iran, Islamic Rep. of	279 (7.6)	308 (6.0)	361 (4.3)	421 (3.6)	485 (4.2)	540 (5.0)	573 (7.2)
Ireland	385 (7.0)	416 (4.2)	469 (3.9)	526 (2.6)	577 (2.7)	621 (2.5)	646 (3.5)
Israel	322 (6.5)	356 (4.9)	416 (4.6)	490 (4.4)	558 (4.7)	614 (7.6)	648 (7.5)
Italy	360 (5.3)	390 (5.2)	442 (4.4)	501 (3.5)	562 (3.1)	609 (3.0)	637 (4.4)
Japan	451 (4.4)	484 (3.4)	539 (4.3)	598 (4.2)	653 (4.0)	701 (4.9)	728 (5.4)
Jordan	247 (5.1)	276 (5.2)	326 (3.7)	388 (4.0)	449 (3.8)	502 (4.4)	535 (6.6)
Kazakhstan	311 (6.5)	339 (4.5)	389 (3.7)	449 (4.3)	515 (4.9)	578 (6.4)	613 (7.2)
Korea, Rep. of	418 (5.2)	463 (4.6)	536 (4.2)	603 (3.3)	663 (3.2)	716 (4.6)	747 (5.0)
Kuwait	253 (6.5)	282 (5.7)	332 (5.0)	392 (4.9)	459 (7.1)	530 (11.6)	568 (10.9)
Lithuania	362 (4.5)	392 (4.8)	449 (4.1)	516 (3.6)	577 (3.5)	631 (4.1)	664 (5.6)
Malaysia	278 (4.5)	303 (3.9)	349 (3.9)	404 (4.1)	465 (3.7)	530 (5.4)	567 (5.7)
Malta	343 (4.1)	377 (3.3)	439 (2.2)	507 (2.4)	563 (2.6)	610 (3.3)	636 (4.2)
Morocco	263 (3.9)	287 (3.3)	325 (3.0)	372 (3.4)	427 (3.6)	479 (4.7)	511 (5.0)
New Zealand	330 (6.1)	360 (4.3)	417 (4.6)	485 (4.8)	553 (6.5)	612 (6.9)	643 (6.9)
Norway (9)	361 (3.5)	391 (4.4)	445 (3.0)	503 (3.0)	559 (2.5)	606 (2.8)	631 (2.8)
Oman	267 (3.6)	295 (3.6)	345 (3.5)	408 (3.0)	473 (3.4)	531 (3.7)	565 (4.3)
Palestinian Nat'l Auth.	240 (2.9)	268 (4.0)	318 (3.1)	379 (3.5)	443 (3.6)	501 (4.6)	532 (4.6)
Portugal	343 (5.4)	370 (4.1)	416 (3.5)	473 (3.1)	534 (3.2)	587 (3.8)	614 (3.9)
Qatar	293 (5.4)	322 (6.0)	378 (5.5)	450 (5.2)	521 (5.7)	584 (6.2)	622 (9.8)
Romania	322 (10.8)	362 (8.1)	429 (7.2)	501 (5.6)	567 (5.1)	619 (5.6)	650 (7.2)
Saudi Arabia	268 (4.3)	292 (4.0)	337 (3.8)	392 (3.7)	452 (3.9)	507 (4.5)	541 (4.4)
Singapore	422 (11.1)	469 (14.4)	546 (9.5)	617 (5.6)	673 (4.8)	720 (5.1)	748 (5.8)
South Africa (9)	280 (3.8)	303 (3.4)	344 (3.1)	391 (2.9)	442 (3.7)	497 (7.9)	537 (10.4)
Sweden	378 (3.7)	408 (3.4)	460 (2.8)	521 (3.5)	575 (3.3)	621 (3.6)	647 (4.8)
Türkiye	326 (8.4)	360 (5.8)	423 (4.7)	507 (6.2)	595 (6.2)	659 (6.5)	695 (6.7)
United Arab Emirates	319 (2.7)	351 (2.4)	413 (2.3)	489 (2.2)	562 (2.4)	624 (2.8)	659 (3.7)
United States	334 (5.9)	366 (5.9)	420 (5.1)	487 (4.5)	554 (5.4)	612 (5.2)	644 (4.6)
Uzbekistan	284 (5.3)	313 (4.6)	360 (3.7)	416 (4.2)	478 (6.3)	537 (7.9)	575 (12.0)
Benchmarking Participants							
Abu Dhabi, UAE	294 (3.7)	323 (4.3)	379 (3.5)	453 (4.1)	525 (3.3)	585 (3.5)	620 (4.4)
Dubai, UAE	370 (6.8)	412 (6.2)	485 (4.3)	552 (3.3)	614 (2.8)	667 (3.1)	697 (4.9)
Sharjah, UAE	346 (4.4)	375 (4.8)	430 (4.9)	497 (4.7)	560 (7.1)	615 (8.5)	645 (11.6)

Percentiles are defined in terms of percentages of students at or below a point on the scale.
 () Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.