

Appendix D

*Percentiles and Standard Deviations of
Mathematics Achievement*

Exhibit D.1 Percentiles of Achievement in Mathematics

TIMSS2007
Mathematics 4th Grade

Country	5th Percentile	10th Percentile	25th Percentile	50th Percentile	75th Percentile	90th Percentile	95th Percentile
Algeria	227 (7.9)	261 (8.0)	318 (6.7)	379 (4.1)	439 (4.4)	493 (6.2)	522 (6.2)
Armenia	355 (6.2)	385 (5.1)	439 (4.3)	498 (3.6)	559 (5.8)	617 (8.2)	650 (5.4)
Australia	373 (8.2)	408 (6.5)	463 (4.1)	519 (4.3)	573 (4.2)	620 (2.9)	647 (3.9)
Austria	386 (3.1)	416 (2.9)	462 (3.6)	509 (2.3)	552 (3.0)	590 (3.7)	612 (1.5)
Chinese Taipei	457 (4.1)	488 (2.3)	532 (2.1)	578 (2.3)	623 (2.2)	663 (2.3)	686 (2.1)
Colombia	209 (10.2)	238 (4.7)	295 (6.4)	355 (6.0)	416 (4.2)	470 (5.2)	503 (8.5)
Czech Republic	361 (6.6)	392 (6.9)	440 (4.9)	490 (4.0)	536 (2.9)	576 (2.8)	597 (2.9)
Denmark	403 (9.9)	431 (4.2)	478 (3.9)	525 (3.0)	571 (2.4)	611 (3.6)	634 (4.8)
El Salvador	180 (8.9)	212 (5.7)	267 (5.0)	329 (4.9)	393 (4.2)	448 (5.0)	480 (5.4)
England	392 (4.2)	429 (5.2)	487 (3.5)	546 (2.4)	600 (3.6)	647 (4.9)	676 (4.3)
Georgia	289 (6.3)	322 (5.7)	378 (6.8)	442 (4.9)	501 (5.8)	549 (4.1)	582 (6.4)
Germany	409 (10.3)	440 (3.8)	483 (2.6)	529 (2.5)	572 (2.2)	607 (3.2)	629 (2.6)
Hong Kong SAR	493 (9.1)	520 (4.0)	564 (4.2)	609 (4.1)	653 (4.0)	691 (6.0)	712 (5.3)
Hungary	347 (12.4)	389 (8.4)	452 (6.6)	516 (3.6)	574 (3.7)	620 (2.9)	647 (4.6)
Iran, Islamic Rep. of	260 (5.6)	290 (4.4)	346 (4.9)	406 (3.2)	461 (4.2)	508 (2.9)	534 (6.4)
Italy	374 (6.1)	406 (5.6)	457 (3.7)	510 (4.4)	558 (3.3)	601 (3.8)	629 (12.2)
Japan	438 (2.6)	471 (3.0)	520 (2.1)	571 (2.9)	620 (2.1)	663 (3.3)	688 (3.8)
Kazakhstan	399 (16.3)	435 (9.1)	496 (9.9)	555 (6.4)	610 (6.2)	653 (7.3)	675 (4.3)
Kuwait	148 (8.7)	184 (5.3)	245 (3.4)	319 (5.7)	387 (3.1)	443 (5.5)	475 (5.5)
Latvia	416 (2.8)	444 (2.2)	490 (3.9)	540 (3.3)	587 (2.5)	628 (3.9)	650 (2.5)
Lithuania	396 (3.7)	430 (3.3)	482 (3.5)	535 (3.5)	583 (2.9)	624 (3.6)	645 (5.6)
Morocco	193 (3.9)	223 (6.3)	273 (6.4)	338 (4.5)	404 (6.4)	466 (6.3)	508 (15.1)
Netherlands	429 (7.0)	454 (4.9)	495 (2.9)	537 (2.0)	577 (2.8)	612 (2.6)	632 (2.3)
New Zealand	341 (7.3)	377 (4.8)	436 (2.6)	498 (2.5)	553 (2.5)	598 (2.6)	626 (3.6)
Norway	341 (7.0)	372 (3.3)	424 (4.6)	478 (3.4)	526 (2.8)	566 (3.0)	591 (5.6)
Qatar	149 (1.9)	179 (1.8)	233 (1.1)	297 (1.4)	360 (0.9)	413 (1.6)	444 (3.2)
Russian Federation	400 (4.1)	436 (4.7)	492 (5.4)	546 (4.6)	599 (5.1)	647 (6.9)	677 (9.8)
Scotland	359 (6.5)	389 (3.9)	442 (2.9)	499 (2.7)	549 (3.1)	592 (2.7)	618 (3.6)
Singapore	447 (6.5)	487 (7.1)	548 (5.1)	606 (3.5)	659 (4.0)	702 (4.5)	725 (4.1)
Slovak Republic	350 (9.8)	389 (9.7)	446 (4.2)	502 (2.6)	553 (3.8)	597 (4.5)	623 (5.2)
Slovenia	376 (4.0)	408 (3.0)	457 (2.5)	506 (1.4)	550 (2.3)	589 (3.1)	613 (2.8)
Sweden	388 (4.5)	417 (4.4)	459 (3.3)	505 (2.2)	548 (3.0)	586 (3.0)	608 (2.7)
Tunisia	139 (8.2)	178 (5.5)	249 (5.6)	332 (6.6)	411 (5.2)	469 (3.9)	501 (4.7)
Ukraine	321 (5.0)	356 (4.6)	414 (3.3)	475 (3.3)	528 (3.1)	573 (2.6)	599 (5.1)
United States	401 (3.8)	430 (4.2)	479 (2.3)	531 (2.6)	581 (3.0)	625 (3.1)	650 (5.2)
Yemen	46 (7.6)	81 (7.1)	145 (7.3)	219 (8.3)	298 (6.7)	371 (6.8)	414 (9.3)
Benchmarking Participants							
Alberta, Canada	394 (4.6)	421 (5.1)	463 (2.4)	506 (3.1)	550 (3.1)	588 (3.4)	612 (2.2)
British Columbia, Canada	384 (9.0)	414 (4.7)	460 (3.0)	507 (2.5)	553 (1.9)	595 (4.8)	620 (3.1)
Dubai, UAE	293 (9.5)	325 (5.7)	384 (3.6)	446 (2.0)	506 (2.3)	559 (2.1)	589 (6.2)
Massachusetts, US	457 (10.0)	485 (5.4)	527 (4.0)	573 (4.1)	619 (4.1)	661 (5.3)	687 (5.9)
Minnesota, US	418 (15.7)	452 (17.1)	504 (6.6)	559 (6.3)	609 (5.3)	649 (4.9)	675 (6.3)
Ontario, Canada	395 (4.5)	423 (5.4)	468 (6.2)	514 (5.3)	558 (5.2)	598 (4.2)	621 (3.6)
Quebec, Canada	406 (2.8)	432 (3.6)	473 (4.1)	521 (3.4)	566 (4.5)	605 (3.1)	627 (4.5)

SOURCE: IEA's Trends in International Mathematics and Science Study (TIMSS) 2007

() Standard errors appear in parentheses. Because results are rounded to the nearest whole number, some totals may appear inconsistent.

Note: Percentiles are defined in terms of percentages of students at or below a point on the scale.

Exhibit D.1 Percentiles of Achievement in Mathematics (Continued)

TIMSS2007
Mathematics 8th Grade

Country	5th Percentile	10th Percentile	25th Percentile	50th Percentile	75th Percentile	90th Percentile	95th Percentile
Algeria	291 (2.9)	311 (3.2)	346 (2.7)	386 (2.5)	427 (2.4)	465 (1.9)	485 (3.4)
Armenia	351 (5.9)	390 (5.3)	448 (2.4)	501 (2.9)	554 (4.5)	601 (6.3)	629 (6.1)
Australia	365 (6.8)	394 (8.3)	443 (3.9)	496 (2.8)	548 (4.7)	600 (7.9)	630 (8.8)
Bahrain	259 (6.5)	289 (5.3)	340 (2.7)	399 (2.2)	457 (2.3)	505 (5.3)	533 (3.1)
Bosnia and Herzegovina	322 (5.8)	352 (3.6)	405 (3.1)	460 (3.8)	509 (3.0)	552 (2.6)	578 (3.5)
Botswana	236 (3.6)	264 (3.6)	312 (2.9)	366 (2.7)	415 (3.8)	460 (3.8)	489 (4.6)
Bulgaria	280 (13.1)	324 (9.4)	398 (7.1)	473 (4.6)	536 (4.5)	586 (4.6)	617 (7.4)
Chinese Taipei	403 (7.7)	448 (6.5)	535 (5.8)	614 (5.8)	672 (4.7)	721 (4.6)	748 (7.0)
Colombia	250 (5.2)	281 (6.7)	329 (4.1)	380 (3.3)	431 (3.7)	477 (3.6)	507 (4.3)
Cyprus	310 (5.3)	347 (2.5)	409 (2.8)	471 (2.5)	528 (2.6)	575 (5.1)	603 (2.5)
Czech Republic	382 (4.5)	408 (3.2)	455 (2.5)	504 (5.0)	552 (2.7)	599 (3.6)	629 (6.3)
Egypt	222 (9.0)	258 (4.4)	321 (6.6)	392 (4.1)	462 (4.1)	521 (4.5)	553 (4.8)
El Salvador	222 (7.7)	248 (2.6)	291 (3.2)	340 (2.6)	389 (2.9)	433 (3.2)	462 (5.0)
England	366 (12.2)	400 (9.0)	459 (7.9)	518 (4.7)	574 (7.1)	618 (6.8)	642 (5.8)
Georgia	245 (9.9)	280 (8.4)	343 (8.4)	415 (6.3)	478 (3.1)	532 (10.1)	562 (6.9)
Ghana	162 (8.9)	192 (5.3)	246 (4.7)	309 (5.0)	372 (6.7)	428 (5.5)	461 (7.8)
Hong Kong SAR	394 (18.2)	438 (14.9)	518 (8.2)	585 (5.5)	638 (4.3)	681 (4.3)	706 (4.7)
Hungary	375 (9.8)	405 (4.3)	459 (6.4)	519 (3.9)	576 (3.8)	624 (5.4)	652 (4.2)
Indonesia	254 (10.7)	286 (8.7)	338 (4.5)	397 (4.2)	456 (3.4)	509 (5.4)	541 (6.6)
Iran, Islamic Rep. of	266 (5.8)	295 (4.7)	344 (4.9)	401 (4.4)	459 (5.7)	516 (7.6)	551 (9.2)
Israel	287 (9.7)	328 (8.3)	400 (6.1)	471 (2.9)	533 (5.5)	584 (7.3)	615 (4.7)
Italy	349 (5.1)	381 (5.3)	430 (3.5)	482 (2.9)	532 (3.4)	574 (6.3)	600 (5.6)
Japan	424 (4.5)	460 (5.5)	515 (3.6)	573 (3.3)	628 (4.2)	677 (4.0)	704 (4.5)
Jordan	253 (6.0)	290 (7.2)	356 (9.9)	433 (4.2)	503 (4.6)	556 (3.9)	584 (4.6)
Korea, Rep. of	435 (5.1)	475 (3.9)	537 (2.9)	604 (3.3)	662 (2.2)	711 (3.7)	738 (4.4)
Kuwait	221 (5.6)	252 (4.6)	301 (2.1)	355 (2.8)	408 (2.7)	455 (2.6)	481 (1.6)
Lebanon	329 (5.2)	354 (5.8)	397 (3.7)	446 (4.3)	502 (5.0)	549 (3.9)	574 (4.7)
Lithuania	371 (6.1)	402 (5.3)	453 (3.9)	506 (3.8)	561 (3.1)	609 (3.6)	635 (3.6)
Malaysia	342 (9.8)	372 (8.0)	421 (5.4)	474 (5.7)	529 (7.2)	578 (5.9)	603 (5.9)
Malta	315 (5.4)	359 (2.9)	431 (2.1)	499 (1.5)	553 (1.7)	597 (1.8)	622 (2.7)
Morocco	251 (5.2)	278 (5.3)	323 (4.6)	380 (3.7)	438 (4.6)	486 (5.0)	511 (4.8)
Norway	356 (4.3)	382 (2.3)	425 (2.8)	472 (2.1)	517 (1.9)	552 (2.3)	571 (3.6)
Oman	207 (7.5)	245 (6.5)	309 (5.3)	378 (4.4)	440 (3.0)	492 (2.8)	521 (2.5)
Palestinian Nat'l Auth.	195 (5.4)	233 (6.4)	297 (3.2)	370 (4.6)	439 (4.1)	498 (2.5)	530 (4.6)
Qatar	152 (3.4)	186 (3.1)	243 (1.6)	307 (1.8)	370 (2.1)	427 (2.3)	461 (1.6)
Romania	289 (7.6)	328 (7.5)	395 (5.6)	466 (5.8)	533 (6.4)	587 (4.3)	616 (4.3)
Russian Federation	372 (4.5)	402 (6.9)	455 (4.4)	515 (4.5)	569 (5.0)	617 (4.7)	644 (4.7)
Saudi Arabia	202 (5.3)	231 (4.3)	278 (3.7)	329 (3.8)	382 (4.8)	429 (4.5)	457 (4.8)
Scotland	355 (5.4)	381 (6.5)	432 (3.4)	489 (4.5)	544 (5.1)	590 (4.7)	616 (4.6)
Serbia	333 (4.9)	368 (3.8)	427 (3.8)	490 (3.9)	548 (2.8)	597 (5.4)	624 (4.1)
Singapore	422 (9.2)	463 (8.7)	533 (5.5)	601 (5.9)	661 (2.7)	706 (4.3)	731 (4.1)
Slovenia	384 (3.9)	409 (3.3)	454 (1.5)	501 (2.4)	550 (3.0)	594 (3.1)	619 (5.9)
Sweden	371 (4.7)	399 (4.1)	446 (4.9)	494 (2.7)	539 (1.9)	582 (2.8)	604 (2.8)
Syrian Arab Republic	259 (6.8)	290 (5.0)	339 (4.0)	394 (3.2)	452 (3.5)	502 (6.2)	530 (5.1)
Thailand	297 (5.3)	327 (4.7)	378 (5.9)	437 (6.2)	501 (9.3)	562 (11.0)	600 (8.9)
Tunisia	313 (4.1)	336 (2.7)	375 (4.4)	418 (2.6)	466 (3.6)	508 (2.2)	532 (5.4)
Turkey	263 (6.2)	297 (4.9)	354 (4.3)	424 (5.6)	503 (6.7)	581 (7.7)	624 (10.9)
Ukraine	310 (6.7)	346 (7.0)	404 (3.6)	467 (3.7)	523 (3.9)	572 (4.6)	603 (7.2)
United States	379 (4.8)	408 (3.4)	456 (2.6)	509 (3.2)	563 (2.5)	607 (3.3)	633 (5.3)
Benchmarking Participants							
Basque Country, Spain	379 (7.1)	411 (4.3)	456 (4.5)	503 (2.6)	546 (2.5)	582 (3.6)	603 (4.4)
British Columbia, Canada	386 (6.9)	415 (6.4)	462 (2.4)	512 (2.4)	558 (3.6)	600 (4.4)	624 (6.0)
Dubai, UAE	294 (5.1)	328 (4.5)	396 (4.5)	468 (3.5)	528 (4.1)	580 (3.4)	611 (4.4)
Massachusetts, US	404 (10.2)	438 (9.7)	498 (7.2)	554 (4.8)	604 (3.6)	644 (3.8)	667 (6.5)
Minnesota, US	414 (10.4)	444 (9.9)	488 (3.2)	535 (3.9)	578 (5.5)	617 (7.0)	639 (10.3)
Ontario, Canada	398 (5.0)	427 (6.7)	472 (3.7)	519 (3.4)	565 (4.7)	605 (4.0)	629 (6.2)
Quebec, Canada	418 (6.1)	442 (4.3)	481 (6.0)	527 (3.9)	575 (4.1)	617 (5.7)	641 (7.5)

SOURCE: IEA's Trends in International Mathematics and Science Study (TIMSS) 2007

() Standard errors appear in parentheses. Because results are rounded to the nearest whole number, some totals may appear inconsistent.

Note: Percentiles are defined in terms of percentages of students at or below a point on the scale.

Exhibit D.2 Standard Deviations of Achievement in Mathematics

TIMSS2007
Mathematics 4th Grade

Country	Overall		Girls		Boys	
	Mean	Standard Deviation	Mean	Standard Deviation	Mean	Standard Deviation
Algeria	378 (5.2)	90 (2.9)	380 (5.9)	90 (3.1)	375 (5.2)	89 (3.2)
Armenia	500 (4.3)	90 (2.0)	504 (5.7)	90 (2.6)	495 (3.7)	89 (2.1)
Australia	516 (3.5)	83 (2.0)	513 (4.2)	79 (2.3)	519 (3.6)	87 (2.2)
Austria	505 (2.0)	68 (1.0)	498 (2.5)	66 (1.6)	512 (2.3)	69 (1.1)
Chinese Taipei	576 (1.7)	69 (0.9)	575 (2.0)	65 (1.3)	577 (2.0)	73 (1.5)
Colombia	355 (5.0)	90 (2.6)	347 (5.2)	86 (2.7)	364 (5.5)	93 (3.5)
Czech Republic	486 (2.8)	71 (1.3)	483 (3.3)	68 (1.8)	489 (3.0)	74 (1.7)
Denmark	523 (2.4)	71 (1.4)	520 (2.9)	68 (1.9)	526 (3.2)	73 (2.0)
El Salvador	330 (4.1)	91 (2.1)	325 (4.6)	89 (2.9)	334 (5.5)	92 (2.6)
England	541 (2.9)	86 (1.6)	541 (3.2)	83 (1.7)	542 (3.6)	88 (2.1)
Georgia	438 (4.2)	88 (2.1)	440 (4.2)	86 (2.5)	437 (4.9)	90 (2.6)
Germany	525 (2.3)	68 (1.2)	519 (2.5)	68 (1.7)	531 (2.5)	68 (1.8)
Hong Kong SAR	607 (3.6)	67 (1.4)	605 (3.2)	64 (1.5)	609 (4.4)	70 (1.9)
Hungary	510 (3.5)	91 (2.3)	508 (4.6)	90 (2.8)	511 (3.8)	93 (2.6)
Iran, Islamic Rep. of	402 (4.1)	84 (2.2)	409 (5.2)	79 (2.5)	396 (5.5)	87 (3.2)
Italy	507 (3.1)	77 (1.8)	499 (3.2)	76 (2.2)	514 (3.6)	78 (1.8)
Japan	568 (2.1)	76 (1.4)	568 (2.5)	73 (1.4)	568 (2.7)	79 (2.0)
Kazakhstan	549 (7.1)	84 (3.7)	553 (6.7)	82 (4.3)	545 (7.9)	85 (3.6)
Kuwait	316 (3.6)	99 (2.2)	333 (4.3)	92 (2.5)	297 (6.2)	103 (3.0)
Latvia	537 (2.3)	72 (1.3)	539 (2.9)	69 (1.9)	536 (3.0)	74 (2.0)
Lithuania	530 (2.4)	76 (1.8)	530 (2.8)	73 (1.7)	530 (3.2)	79 (2.4)
Morocco	341 (4.7)	95 (2.7)	339 (5.0)	94 (3.1)	343 (5.4)	96 (3.2)
Netherlands	535 (2.1)	61 (1.4)	530 (2.7)	61 (1.5)	540 (2.4)	61 (1.8)
New Zealand	492 (2.3)	86 (2.0)	492 (2.4)	82 (2.0)	493 (3.1)	90 (2.4)
Norway	473 (2.5)	76 (1.3)	470 (3.2)	76 (2.0)	477 (3.0)	76 (1.6)
Qatar	296 (1.0)	90 (0.7)	307 (2.0)	86 (1.4)	285 (2.1)	93 (1.5)
Russian Federation	544 (4.9)	83 (2.4)	548 (5.5)	81 (3.0)	540 (4.9)	85 (3.1)
Scotland	494 (2.2)	79 (1.4)	490 (2.6)	75 (2.0)	499 (2.8)	83 (1.6)
Singapore	599 (3.7)	84 (2.1)	603 (3.8)	80 (2.2)	596 (4.1)	88 (2.3)
Slovak Republic	496 (4.5)	85 (4.0)	493 (4.6)	85 (5.0)	499 (4.7)	85 (3.4)
Slovenia	502 (1.8)	71 (1.0)	499 (2.4)	68 (1.4)	504 (2.1)	74 (1.4)
Sweden	503 (2.5)	66 (1.2)	499 (2.4)	64 (1.4)	506 (3.1)	68 (1.7)
Tunisia	327 (4.5)	111 (2.3)	337 (4.7)	108 (2.9)	319 (5.0)	113 (2.5)
Ukraine	469 (2.9)	84 (1.6)	469 (3.3)	81 (2.0)	469 (3.4)	87 (2.2)
United States	529 (2.4)	75 (1.2)	526 (2.7)	74 (1.5)	532 (2.7)	77 (1.3)
Yemen	224 (6.0)	110 (2.7)	236 (8.0)	108 (3.5)	214 (6.6)	111 (3.4)
Benchmarking Participants						
Alberta, Canada	505 (3.0)	66 (1.8)	500 (3.2)	64 (1.8)	510 (3.2)	68 (2.3)
British Columbia, Canada	505 (2.7)	71 (1.5)	502 (3.1)	70 (1.8)	508 (3.0)	72 (1.8)
Dubai, UAE	444 (2.1)	90 (2.2)	452 (4.0)	82 (2.5)	438 (4.9)	95 (2.9)
Massachusetts, US	572 (3.5)	70 (1.8)	567 (3.7)	68 (2.5)	578 (4.2)	71 (2.6)
Minnesota, US	554 (5.9)	78 (3.6)	551 (6.1)	75 (2.9)	557 (6.3)	80 (5.6)
Ontario, Canada	512 (3.1)	68 (1.8)	509 (3.2)	66 (2.0)	514 (3.7)	70 (2.4)
Quebec, Canada	519 (3.0)	67 (1.1)	515 (3.5)	67 (1.7)	524 (3.3)	67 (1.4)

SOURCE: IEA's Trends in International Mathematics and Science Study (TIMSS) 2007

() Standard errors appear in parentheses. Because results are rounded to the nearest whole number, some totals may appear inconsistent.

Exhibit D.2 Standard Deviations of Achievement in Mathematics (Continued)

TIMSS2007
Mathematics 8th Grade

Country	Overall		Girls		Boys	
	Mean	Standard Deviation	Mean	Standard Deviation	Mean	Standard Deviation
Algeria	387 (2.1)	59 (1.0)	384 (2.4)	60 (1.1)	389 (2.2)	59 (1.2)
Armenia	499 (3.5)	85 (2.7)	501 (4.4)	85 (3.5)	497 (3.5)	85 (2.6)
Australia	496 (3.9)	79 (2.2)	488 (5.5)	75 (2.8)	504 (5.4)	82 (3.0)
Bahrain	398 (1.6)	84 (1.5)	414 (2.2)	73 (1.6)	382 (2.6)	90 (1.9)
Bosnia and Herzegovina	456 (2.7)	78 (1.5)	456 (3.1)	77 (1.9)	455 (2.8)	79 (1.9)
Botswana	364 (2.3)	77 (1.4)	371 (2.4)	74 (1.7)	355 (3.2)	79 (1.7)
Bulgaria	464 (5.0)	102 (3.5)	471 (4.6)	97 (3.6)	456 (6.3)	106 (3.9)
Chinese Taipei	598 (4.5)	106 (2.2)	599 (4.6)	98 (2.3)	598 (5.3)	112 (3.0)
Colombia	380 (3.6)	79 (2.2)	364 (4.2)	74 (2.4)	396 (4.1)	81 (2.7)
Cyprus	465 (1.6)	89 (1.1)	476 (2.2)	84 (1.8)	455 (2.4)	94 (1.5)
Czech Republic	504 (2.4)	74 (1.7)	505 (2.5)	73 (2.1)	503 (2.8)	74 (1.9)
Egypt	391 (3.6)	100 (1.7)	397 (5.0)	98 (2.1)	384 (4.6)	102 (2.2)
El Salvador	340 (2.8)	73 (2.1)	331 (3.8)	73 (2.6)	351 (3.6)	71 (3.0)
England	513 (4.8)	84 (3.0)	511 (5.0)	82 (3.3)	516 (6.1)	85 (3.3)
Georgia	410 (5.9)	96 (3.0)	412 (5.9)	92 (2.5)	408 (6.7)	100 (4.1)
Ghana	309 (4.4)	92 (2.7)	297 (5.0)	91 (2.9)	319 (4.4)	91 (2.9)
Hong Kong SAR	572 (5.8)	94 (3.7)	578 (5.0)	87 (3.7)	567 (8.0)	99 (4.1)
Hungary	517 (3.5)	85 (1.8)	517 (4.1)	83 (2.3)	517 (3.7)	86 (2.1)
Indonesia	397 (3.8)	87 (2.3)	399 (4.1)	88 (2.8)	395 (4.4)	87 (2.5)
Iran, Islamic Rep. of	403 (4.1)	86 (2.4)	407 (5.3)	83 (3.3)	400 (6.1)	89 (3.6)
Israel	463 (3.9)	99 (2.3)	465 (4.6)	95 (2.8)	462 (4.9)	103 (2.9)
Italy	480 (3.0)	76 (1.8)	477 (3.3)	75 (2.3)	483 (3.5)	78 (1.9)
Japan	570 (2.4)	85 (1.6)	568 (3.2)	85 (2.6)	572 (3.2)	86 (1.8)
Jordan	427 (4.1)	102 (1.8)	438 (6.4)	96 (2.3)	417 (5.6)	107 (2.5)
Korea, Rep. of	597 (2.7)	92 (1.2)	595 (3.3)	89 (1.4)	599 (3.1)	95 (1.8)
Kuwait	354 (2.3)	79 (1.5)	364 (2.7)	71 (1.2)	342 (4.0)	85 (2.2)
Lebanon	449 (4.0)	75 (2.0)	443 (4.1)	74 (2.5)	456 (4.7)	75 (2.3)
Lithuania	506 (2.3)	80 (1.6)	509 (3.0)	78 (1.6)	502 (2.3)	81 (2.0)
Malaysia	474 (5.0)	79 (2.8)	479 (5.6)	77 (3.0)	468 (5.3)	81 (2.9)
Malta	488 (1.2)	92 (0.9)	488 (1.5)	88 (1.1)	488 (1.7)	96 (1.2)
Morocco	381 (3.0)	80 (1.6)	377 (3.7)	80 (2.4)	385 (3.9)	80 (2.4)
Norway	469 (2.0)	66 (0.9)	471 (2.1)	63 (1.3)	467 (2.6)	68 (1.3)
Oman	372 (3.4)	95 (1.9)	399 (3.6)	83 (1.6)	344 (5.0)	98 (2.4)
Palestinian Nat'l Auth.	367 (3.5)	102 (1.9)	385 (4.2)	98 (2.6)	349 (5.4)	103 (2.5)
Qatar	307 (1.4)	93 (0.9)	325 (2.1)	85 (1.5)	288 (2.0)	98 (1.2)
Romania	461 (4.1)	100 (2.4)	470 (4.2)	95 (2.7)	452 (4.6)	103 (2.7)
Russian Federation	512 (4.1)	83 (1.7)	514 (4.3)	80 (2.0)	509 (4.7)	86 (2.0)
Saudi Arabia	329 (2.9)	76 (1.4)	341 (3.6)	71 (1.4)	319 (4.0)	80 (2.1)
Scotland	487 (3.7)	80 (2.0)	486 (3.8)	78 (2.2)	489 (4.4)	81 (2.4)
Serbia	486 (3.3)	89 (1.9)	489 (3.6)	87 (2.5)	483 (4.0)	92 (2.2)
Singapore	593 (3.8)	93 (2.7)	600 (4.1)	88 (3.0)	586 (4.6)	97 (3.0)
Slovenia	501 (2.1)	72 (1.0)	500 (2.7)	69 (1.3)	503 (2.6)	74 (1.4)
Sweden	491 (2.3)	70 (1.3)	493 (2.6)	68 (1.6)	490 (2.5)	72 (1.7)
Syrian Arab Republic	395 (3.8)	82 (1.9)	387 (4.3)	80 (2.1)	403 (5.1)	84 (2.7)
Thailand	441 (5.0)	92 (3.3)	453 (5.3)	87 (3.3)	430 (5.5)	94 (3.8)
Tunisia	420 (2.4)	67 (1.2)	410 (2.8)	67 (1.4)	431 (2.7)	64 (1.7)
Turkey	432 (4.8)	109 (2.1)	432 (5.3)	107 (2.5)	432 (5.0)	110 (2.4)
Ukraine	462 (3.6)	89 (2.2)	465 (3.9)	85 (2.4)	459 (3.9)	94 (2.4)
United States	508 (2.8)	77 (1.4)	507 (3.0)	75 (1.5)	510 (3.1)	78 (1.4)
Benchmarking Participants						
Basque Country, Spain	499 (3.0)	69 (2.1)	496 (3.9)	65 (2.1)	501 (3.9)	72 (2.6)
British Columbia, Canada	509 (3.0)	72 (2.2)	507 (3.3)	70 (2.3)	512 (3.4)	74 (2.5)
Dubai, UAE	461 (2.4)	96 (1.6)	461 (5.2)	90 (2.6)	461 (5.9)	101 (3.3)
Massachusetts, US	547 (4.6)	79 (3.5)	544 (4.8)	79 (3.7)	550 (5.1)	79 (3.9)
Minnesota, US	532 (4.4)	68 (2.7)	531 (4.4)	66 (2.9)	535 (5.1)	70 (2.9)
Ontario, Canada	517 (3.5)	70 (2.3)	513 (4.1)	67 (2.1)	522 (4.0)	73 (3.0)
Quebec, Canada	528 (3.5)	68 (2.7)	527 (3.5)	66 (1.9)	529 (4.6)	70 (3.9)

SOURCE: IEA's Trends in International Mathematics and Science Study (TIMSS) 2007

() Standard errors appear in parentheses. Because results are rounded to the nearest whole number, some totals may appear inconsistent.

