

Exhibit 5.7: Students Speak the Language of the Test at Home

Students' Reports

| Country | Always | | Almost Always | | Sometimes | | Never | |
|----------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| | Percent of Students | Average Achievement | Percent of Students | Average Achievement | Percent of Students | Average Achievement | Percent of Students | Average Achievement |
| Albania | 87 (1.0) | 496 (3.7) | 6 (0.6) | 508 (8.4) | 6 (0.5) | 507 (6.7) | 1 (0.7) | ~ ~ |
| Armenia | 74 (1.0) | 497 (2.6) | 26 (1.0) | 502 (4.0) | 0 (0.0) | ~ ~ | 0 (0.0) | ~ ~ |
| Australia | 67 (1.5) | 514 (2.8) | 13 (0.7) | 530 (5.0) | 18 (1.2) | 515 (6.8) | 1 (0.2) | ~ ~ |
| Austria | 63 (1.2) | 549 (2.4) | 12 (0.7) | 534 (3.2) | 21 (0.9) | 519 (3.3) | 4 (0.4) | 517 (6.5) |
| Azerbaijan | 69 (1.5) | 520 (2.8) | 14 (0.9) | 524 (4.1) | 16 (1.0) | 527 (4.1) | 1 (0.3) | ~ ~ |
| Bahrain | 52 (1.1) | 481 (3.0) | 12 (0.6) | 484 (5.2) | 31 (0.8) | 482 (3.1) | 5 (0.4) | 468 (7.8) |
| Belgium (Flemish) | 63 (1.1) | 544 (1.8) | 11 (0.6) | 530 (3.2) | 22 (0.9) | 503 (3.4) | 4 (0.3) | 515 (6.4) |
| Bosnia and Herzegovina | 84 (0.9) | 450 (2.3) | 8 (0.5) | 474 (6.0) | 6 (0.5) | 462 (5.5) | 1 (0.2) | ~ ~ |
| Bulgaria | 69 (1.9) | 528 (4.3) | 10 (0.8) | 536 (9.5) | 15 (1.5) | 483 (7.3) | 6 (1.0) | 419 (12.4) |
| Canada | 56 (1.6) | 503 (2.3) | 19 (0.5) | 528 (2.5) | 22 (1.2) | 518 (5.0) | 2 (0.3) | ~ ~ |
| Chile | 82 (0.8) | 441 (2.7) | 9 (0.5) | 469 (4.8) | 8 (0.5) | 440 (6.3) | 1 (0.2) | ~ ~ |
| Chinese Taipei | 51 (1.1) | 601 (2.1) | 17 (0.6) | 611 (3.4) | 31 (1.0) | 595 (2.5) | 1 (0.1) | ~ ~ |
| Croatia | 68 (1.2) | 510 (2.3) | 20 (0.8) | 519 (3.4) | 10 (0.7) | 504 (5.7) | 1 (0.7) | ~ ~ |
| Cyprus | 56 (1.2) | 534 (2.6) | 15 (0.7) | 542 (4.7) | 25 (1.0) | 528 (4.7) | 5 (0.4) | 510 (9.8) |
| Czech Republic | 75 (0.9) | 533 (2.6) | 15 (0.8) | 542 (4.2) | 9 (0.5) | 520 (5.0) | 1 (0.2) | ~ ~ |
| Denmark | 65 (1.1) | 530 (2.2) | 22 (0.9) | 528 (3.4) | 12 (0.8) | 500 (4.4) | 1 (0.2) | ~ ~ |
| England | 70 (1.7) | 553 (3.7) | 13 (0.7) | 568 (5.9) | 15 (1.3) | 560 (5.6) | 2 (0.5) | ~ ~ |
| Finland | 74 (1.2) | 538 (2.2) | 14 (0.7) | 533 (3.9) | 10 (0.8) | 501 (5.7) | 2 (0.3) | ~ ~ |
| France | 68 (1.3) | 490 (3.4) | 13 (0.6) | 500 (4.4) | 18 (1.0) | 461 (5.0) | 1 (0.2) | ~ ~ |
| Georgia | 78 (1.1) | 480 (4.0) | 10 (0.7) | 501 (6.4) | 11 (0.7) | 487 (5.4) | 1 (0.6) | ~ ~ |
| Germany | 62 (1.2) | 532 (2.5) | 17 (0.7) | 531 (4.3) | 18 (0.9) | 497 (4.1) | 2 (0.3) | ~ ~ |
| Hong Kong SAR | 56 (0.9) | 604 (3.2) | 14 (0.6) | 590 (6.0) | 29 (0.8) | 607 (3.6) | 2 (0.3) | ~ ~ |
| Hungary | 75 (1.0) | 522 (2.8) | 16 (0.7) | 544 (4.4) | 8 (0.6) | 509 (5.2) | 0 (0.1) | ~ ~ |
| Iran, Islamic Rep. of | 58 (2.0) | 448 (3.6) | 10 (0.7) | 458 (6.9) | 20 (1.2) | 446 (6.5) | 11 (1.3) | 413 (12.5) |
| Ireland | 68 (1.3) | 556 (2.7) | 14 (0.9) | 539 (5.2) | 15 (0.8) | 540 (3.7) | 4 (0.4) | 500 (7.5) |
| Italy | 74 (1.1) | 519 (2.4) | 13 (0.7) | 514 (5.4) | 11 (0.8) | 496 (4.7) | 2 (0.4) | ~ ~ |
| Japan | 92 (0.5) | 595 (1.8) | 6 (0.4) | 572 (4.8) | 1 (0.2) | ~ ~ | 0 (0.1) | ~ ~ |
| Kazakhstan | 66 (1.0) | 512 (2.8) | 18 (0.8) | 512 (4.1) | 15 (0.9) | 515 (3.7) | 1 (0.1) | ~ ~ |
| Korea, Rep. of | 68 (1.2) | 597 (2.3) | 17 (0.8) | 620 (3.7) | 14 (0.8) | 590 (3.9) | 0 (0.0) | ~ ~ |
| Kosovo | 87 (0.8) | 447 (2.7) | 6 (0.5) | 461 (7.7) | 6 (0.5) | 466 (6.9) | 0 (0.1) | ~ ~ |
| Kuwait | 47 (1.9) | 375 (5.7) | 13 (0.9) | 396 (8.7) | 29 (1.3) | 414 (6.3) | 11 (1.2) | 381 (9.3) |
| Latvia | 64 (1.0) | 545 (3.0) | 22 (0.8) | 560 (3.3) | 13 (0.7) | 535 (4.0) | 2 (0.3) | ~ ~ |
| Lithuania | 68 (1.1) | 540 (3.1) | 21 (0.8) | 556 (3.9) | 11 (0.8) | 528 (4.4) | 0 (0.1) | ~ ~ |
| Malta | 15 (0.6) | 497 (3.4) | 18 (0.7) | 514 (2.9) | 51 (0.7) | 519 (1.9) | 16 (0.6) | 490 (4.3) |
| Montenegro | 71 (0.9) | 454 (2.3) | 12 (0.6) | 469 (4.7) | 11 (0.4) | 457 (4.0) | 6 (0.4) | 465 (6.7) |
| Morocco | 32 (2.3) | 370 (7.0) | 15 (1.0) | 381 (8.4) | 23 (1.5) | 416 (7.3) | 30 (2.4) | 382 (5.7) |
| Netherlands | 64 (1.5) | 542 (2.4) | 17 (0.9) | 544 (3.5) | 16 (1.2) | 518 (4.1) | 3 (0.4) | 535 (10.2) |
| New Zealand | 69 (1.0) | 486 (2.8) | 13 (0.6) | 504 (5.5) | 17 (0.8) | 491 (5.3) | 2 (0.2) | ~ ~ |
| North Macedonia | 79 (1.5) | 478 (5.3) | 8 (0.7) | 501 (8.5) | 10 (0.9) | 460 (10.8) | 3 (0.7) | 433 (23.9) |
| Northern Ireland | 83 (1.1) | 565 (2.9) | 8 (0.6) | 586 (5.0) | 8 (0.8) | 563 (7.1) | 2 (0.3) | ~ ~ |
| Norway (5) | 64 (1.0) | 550 (2.4) | 25 (0.9) | 541 (4.0) | 8 (0.6) | 517 (5.0) | 2 (0.3) | ~ ~ |
| Oman | 58 (1.6) | 436 (4.3) | 15 (0.7) | 422 (5.6) | 20 (1.0) | 439 (4.8) | 8 (1.0) | 429 (12.4) |
| Pakistan | 22 (2.9) | 313 (15.0) | 10 (1.4) | 330 (21.6) | 32 (2.9) | 347 (14.7) | 36 (3.2) | 321 (13.4) |
| Philippines | 9 (0.7) | 253 (7.4) | 16 (0.9) | 263 (7.3) | 41 (1.4) | 337 (6.7) | 33 (1.4) | 284 (6.9) |
| Poland | 77 (0.9) | 515 (2.8) | 19 (0.8) | 546 (3.7) | 5 (0.4) | 524 (7.6) | 0 (0.1) | ~ ~ |
| Portugal | 78 (0.6) | 526 (2.6) | 12 (0.5) | 537 (5.0) | 9 (0.6) | 515 (5.4) | 1 (0.2) | ~ ~ |
| Qatar | 37 (1.8) | 429 (3.6) | 15 (0.8) | 465 (4.6) | 39 (1.4) | 473 (4.7) | 9 (0.6) | 444 (6.4) |
| Russian Federation | 81 (0.9) | 566 (3.7) | 11 (0.6) | 575 (5.0) | 7 (0.5) | 567 (5.1) | 1 (0.2) | ~ ~ |
| Saudi Arabia | 63 (1.2) | 402 (3.6) | 12 (0.6) | 387 (5.9) | 19 (0.9) | 410 (5.9) | 7 (0.6) | 398 (7.6) |
| Serbia | 85 (0.9) | 509 (3.1) | 10 (0.8) | 524 (6.4) | 5 (0.4) | 480 (10.5) | 1 (0.2) | ~ ~ |
| Singapore | 36 (0.6) | 625 (4.1) | 23 (0.5) | 643 (3.7) | 39 (0.7) | 620 (4.5) | 3 (0.2) | 578 (11.4) |
| Slovak Republic | 68 (1.4) | 514 (3.2) | 17 (0.8) | 528 (3.7) | 12 (1.0) | 477 (7.1) | 3 (0.6) | 438 (20.9) |
| South Africa (5) | 22 (1.1) | 406 (6.3) | 13 (0.7) | 409 (8.4) | 53 (1.0) | 369 (3.1) | 12 (0.8) | 315 (4.0) |
| Spain | 62 (1.1) | 505 (2.7) | 13 (0.6) | 521 (3.3) | 17 (0.8) | 498 (3.2) | 9 (0.6) | 478 (4.9) |
| Sweden | 63 (1.8) | 532 (2.9) | 18 (0.8) | 524 (4.2) | 17 (1.3) | 491 (4.9) | 2 (0.4) | ~ ~ |
| Turkey (5) | 74 (1.5) | 538 (3.7) | 12 (0.6) | 540 (6.7) | 11 (1.1) | 445 (9.3) | 3 (0.4) | 401 (11.4) |
| United Arab Emirates | 36 (0.4) | 467 (2.4) | 16 (0.5) | 502 (2.7) | 41 (0.6) | 494 (2.1) | 8 (0.2) | 467 (3.3) |
| United States | 65 (1.1) | 541 (2.9) | 13 (0.5) | 544 (3.7) | 20 (0.8) | 521 (4.0) | 3 (0.2) | 484 (8.0) |
| International Average | 63 (0.2) | 502 (0.5) | 14 (0.1) | 511 (0.8) | 18 (0.1) | 495 (0.8) | 5 (0.1) | 442 (2.1) |
| Benchmarking Participants | | | | | | | | |
| Ontario, Canada | 55 (3.0) | 501 (4.2) | 21 (1.1) | 533 (4.3) | 23 (2.1) | 523 (8.6) | 2 (0.4) | ~ ~ |
| Quebec, Canada | 53 (1.8) | 529 (3.0) | 21 (0.9) | 536 (3.4) | 23 (1.8) | 530 (3.7) | 3 (0.4) | 549 (10.8) |
| Moscow City, Russian Fed. | 78 (0.8) | 592 (2.3) | 15 (0.7) | 601 (3.6) | 7 (0.4) | 586 (4.7) | 1 (0.1) | ~ ~ |
| Madrid, Spain | 72 (1.0) | 517 (2.2) | 15 (0.8) | 533 (3.3) | 12 (0.6) | 516 (4.2) | 1 (0.3) | ~ ~ |
| Abu Dhabi, UAE | 39 (0.6) | 415 (3.4) | 14 (0.4) | 455 (3.5) | 39 (0.7) | 467 (2.6) | 9 (0.5) | 437 (5.0) |
| Dubai, UAE | 29 (0.6) | 535 (2.3) | 21 (0.7) | 555 (2.9) | 43 (0.7) | 547 (2.6) | 7 (0.4) | 530 (5.5) |

() Standard errors appear in parentheses. Because of rounding some results may appear inconsistent. A tilde (~) indicates insufficient data to report achievement.



Exhibit 5.8: Students Speak the Language of the Test at Home

Students' Reports

| Country | Always | | Almost Always | | Sometimes | | Never | |
|----------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| | Percent of Students | Average Achievement | Percent of Students | Average Achievement | Percent of Students | Average Achievement | Percent of Students | Average Achievement |
| Albania | 87 (1.0) | 491 (3.8) | 6 (0.6) | 504 (8.6) | 6 (0.5) | 503 (6.9) | 1 (0.7) | ~ ~ |
| Armenia | 74 (1.0) | 465 (3.6) | 26 (1.0) | 471 (4.4) | 0 (0.0) | ~ ~ | 0 (0.0) | ~ ~ |
| Australia | 67 (1.5) | 536 (2.5) | 13 (0.7) | 540 (4.4) | 18 (1.2) | 519 (5.0) | 1 (0.2) | ~ ~ |
| Austria | 63 (1.2) | 543 (2.5) | 12 (0.7) | 511 (3.9) | 21 (0.9) | 479 (4.1) | 4 (0.4) | 477 (8.0) |
| Azerbaijan | 69 (1.5) | 430 (3.5) | 14 (0.9) | 444 (4.4) | 16 (1.0) | 445 (4.6) | 1 (0.3) | ~ ~ |
| Bahrain | 52 (1.1) | 496 (4.0) | 12 (0.6) | 502 (6.3) | 31 (0.8) | 497 (3.3) | 5 (0.4) | 463 (7.6) |
| Belgium (Flemish) | 63 (1.1) | 515 (1.9) | 11 (0.6) | 501 (4.1) | 22 (0.9) | 464 (3.4) | 4 (0.3) | 469 (6.8) |
| Bosnia and Herzegovina | 84 (0.9) | 457 (2.8) | 8 (0.5) | 483 (7.0) | 6 (0.5) | 474 (6.4) | 1 (0.2) | ~ ~ |
| Bulgaria | 69 (1.9) | 542 (4.8) | 10 (0.8) | 543 (11.4) | 15 (1.5) | 474 (8.8) | 6 (1.0) | 383 (14.6) |
| Canada | 56 (1.6) | 523 (2.3) | 19 (0.5) | 537 (2.4) | 22 (1.2) | 516 (4.5) | 2 (0.3) | ~ ~ |
| Chile | 82 (0.8) | 469 (2.6) | 9 (0.5) | 493 (5.8) | 8 (0.5) | 475 (5.1) | 1 (0.2) | ~ ~ |
| Chinese Taipei | 51 (1.1) | 559 (2.4) | 17 (0.6) | 574 (3.5) | 31 (1.0) | 552 (2.4) | 1 (0.1) | ~ ~ |
| Croatia | 68 (1.2) | 525 (2.0) | 20 (0.8) | 528 (4.6) | 10 (0.7) | 524 (4.7) | 1 (0.7) | ~ ~ |
| Cyprus | 56 (1.2) | 516 (2.6) | 15 (0.7) | 517 (5.0) | 25 (1.0) | 504 (4.6) | 5 (0.4) | 481 (9.7) |
| Czech Republic | 75 (0.9) | 534 (2.6) | 15 (0.8) | 543 (4.3) | 9 (0.5) | 520 (5.5) | 1 (0.2) | ~ ~ |
| Denmark | 65 (1.1) | 529 (2.4) | 22 (0.9) | 522 (3.5) | 12 (0.8) | 495 (5.3) | 1 (0.2) | ~ ~ |
| England | 70 (1.7) | 537 (3.3) | 13 (0.7) | 552 (4.9) | 15 (1.3) | 529 (5.1) | 2 (0.5) | ~ ~ |
| Finland | 74 (1.2) | 563 (2.3) | 14 (0.7) | 556 (4.3) | 10 (0.8) | 507 (6.0) | 2 (0.3) | ~ ~ |
| France | 68 (1.3) | 494 (3.3) | 13 (0.6) | 498 (4.3) | 18 (1.0) | 466 (5.4) | 1 (0.2) | ~ ~ |
| Georgia | 78 (1.1) | 452 (4.3) | 10 (0.7) | 478 (6.4) | 11 (0.7) | 460 (5.8) | 1 (0.6) | ~ ~ |
| Germany | 62 (1.2) | 536 (2.4) | 17 (0.7) | 529 (3.7) | 18 (0.9) | 478 (4.7) | 2 (0.3) | ~ ~ |
| Hong Kong SAR | 56 (0.9) | 531 (3.2) | 14 (0.6) | 519 (6.3) | 29 (0.8) | 542 (4.1) | 2 (0.3) | ~ ~ |
| Hungary | 75 (1.0) | 529 (2.9) | 16 (0.7) | 549 (4.4) | 8 (0.6) | 512 (5.4) | 0 (0.1) | ~ ~ |
| Iran, Islamic Rep. of | 58 (2.0) | 452 (3.5) | 10 (0.7) | 457 (7.9) | 20 (1.2) | 434 (7.1) | 11 (1.3) | 395 (13.5) |
| Ireland | 68 (1.3) | 536 (3.2) | 14 (0.9) | 513 (7.4) | 15 (0.8) | 521 (4.2) | 4 (0.4) | 481 (8.6) |
| Italy | 74 (1.1) | 514 (2.9) | 13 (0.7) | 510 (6.1) | 11 (0.8) | 492 (4.9) | 2 (0.4) | ~ ~ |
| Japan | 92 (0.5) | 564 (1.8) | 6 (0.4) | 547 (5.8) | 1 (0.2) | ~ ~ | 0 (0.1) | ~ ~ |
| Kazakhstan | 66 (1.0) | 497 (3.5) | 18 (0.8) | 489 (4.4) | 15 (0.9) | 493 (4.0) | 1 (0.1) | ~ ~ |
| Korea, Rep. of | 68 (1.2) | 585 (2.4) | 17 (0.8) | 606 (3.3) | 14 (0.8) | 579 (4.0) | 0 (0.0) | ~ ~ |
| Kosovo | 87 (0.8) | 417 (3.4) | 6 (0.5) | 434 (9.8) | 6 (0.5) | 430 (6.1) | 0 (0.1) | ~ ~ |
| Kuwait | 47 (1.9) | 388 (7.0) | 13 (0.9) | 411 (9.1) | 29 (1.3) | 418 (7.9) | 11 (1.2) | 382 (11.5) |
| Latvia | 64 (1.0) | 542 (2.7) | 22 (0.8) | 554 (3.5) | 13 (0.7) | 530 (4.5) | 2 (0.3) | ~ ~ |
| Lithuania | 68 (1.1) | 538 (2.9) | 21 (0.8) | 548 (3.6) | 11 (0.8) | 522 (5.0) | 0 (0.1) | ~ ~ |
| Malta | 15 (0.6) | 498 (4.0) | 18 (0.7) | 505 (3.4) | 51 (0.7) | 504 (2.2) | 16 (0.6) | 463 (4.1) |
| Montenegro | 71 (0.9) | 455 (2.8) | 12 (0.6) | 467 (5.4) | 11 (0.4) | 459 (4.6) | 6 (0.4) | 467 (6.7) |
| Morocco | 32 (2.3) | 362 (9.0) | 15 (1.0) | 375 (9.8) | 23 (1.5) | 416 (7.6) | 30 (2.4) | 365 (7.8) |
| Netherlands | 64 (1.5) | 525 (3.0) | 17 (0.9) | 524 (4.2) | 16 (1.2) | 495 (4.7) | 3 (0.4) | 501 (11.8) |
| New Zealand | 69 (1.0) | 506 (2.4) | 13 (0.6) | 512 (5.3) | 17 (0.8) | 495 (4.7) | 2 (0.2) | ~ ~ |
| North Macedonia | 79 (1.5) | 434 (6.5) | 8 (0.7) | 453 (10.1) | 10 (0.9) | 408 (10.8) | 3 (0.7) | 399 (23.4) |
| Northern Ireland | 83 (1.1) | 518 (2.5) | 8 (0.6) | 534 (4.9) | 8 (0.8) | 519 (5.8) | 2 (0.3) | ~ ~ |
| Norway (5) | 64 (1.0) | 548 (2.5) | 25 (0.9) | 535 (4.0) | 8 (0.6) | 509 (5.2) | 2 (0.3) | ~ ~ |
| Oman | 58 (1.6) | 443 (4.7) | 15 (0.7) | 426 (7.7) | 20 (1.0) | 450 (4.7) | 8 (1.0) | 412 (10.4) |
| Pakistan | 22 (2.9) | 280 (16.6) | 10 (1.4) | 282 (23.7) | 32 (2.9) | 314 (17.3) | 36 (3.2) | 280 (17.6) |
| Philippines | 9 (0.7) | 196 (8.0) | 16 (0.9) | 219 (9.4) | 41 (1.4) | 294 (8.1) | 33 (1.4) | 231 (8.7) |
| Poland | 77 (0.9) | 527 (2.7) | 19 (0.8) | 551 (3.7) | 5 (0.4) | 530 (8.2) | 0 (0.1) | ~ ~ |
| Portugal | 78 (0.6) | 503 (2.5) | 12 (0.5) | 521 (5.0) | 9 (0.6) | 500 (4.2) | 1 (0.2) | ~ ~ |
| Qatar | 37 (1.8) | 431 (4.2) | 15 (0.8) | 468 (5.4) | 39 (1.4) | 475 (4.8) | 9 (0.6) | 433 (7.8) |
| Russian Federation | 81 (0.9) | 568 (3.3) | 11 (0.6) | 571 (5.1) | 7 (0.5) | 559 (4.5) | 1 (0.2) | ~ ~ |
| Saudi Arabia | 63 (1.2) | 409 (4.1) | 12 (0.6) | 391 (6.3) | 19 (0.9) | 411 (7.2) | 7 (0.6) | 391 (9.0) |
| Serbia | 85 (0.9) | 519 (3.3) | 10 (0.8) | 532 (6.5) | 5 (0.4) | 482 (12.4) | 1 (0.2) | ~ ~ |
| Singapore | 36 (0.6) | 598 (3.8) | 23 (0.5) | 611 (3.7) | 39 (0.7) | 586 (4.0) | 3 (0.2) | 542 (11.2) |
| Slovak Republic | 68 (1.4) | 530 (2.9) | 17 (0.8) | 535 (3.9) | 12 (1.0) | 477 (9.4) | 3 (0.6) | 402 (27.1) |
| South Africa (5) | 22 (1.1) | 383 (8.6) | 13 (0.7) | 374 (11.0) | 53 (1.0) | 315 (4.1) | 12 (0.8) | 230 (5.2) |
| Spain | 62 (1.1) | 516 (2.5) | 13 (0.6) | 529 (4.0) | 17 (0.8) | 503 (3.3) | 9 (0.6) | 480 (5.1) |
| Sweden | 63 (1.8) | 552 (2.7) | 18 (0.8) | 536 (4.9) | 17 (1.3) | 496 (5.6) | 2 (0.4) | ~ ~ |
| Turkey (5) | 74 (1.5) | 543 (3.4) | 12 (0.6) | 541 (5.8) | 11 (1.1) | 445 (8.3) | 3 (0.4) | 411 (12.6) |
| United Arab Emirates | 36 (0.4) | 460 (3.1) | 16 (0.5) | 498 (3.3) | 41 (0.6) | 486 (2.6) | 8 (0.2) | 444 (4.0) |
| United States | 65 (1.1) | 547 (3.2) | 13 (0.5) | 547 (3.6) | 20 (0.8) | 518 (3.9) | 3 (0.2) | 477 (7.9) |
| International Average | 63 (0.2) | 494 (0.6) | 14 (0.1) | 500 (0.9) | 18 (0.1) | 482 (0.8) | 5 (0.1) | 418 (2.4) |
| Benchmarking Participants | | | | | | | | |
| Ontario, Canada | 55 (3.0) | 522 (3.7) | 21 (1.1) | 541 (4.0) | 23 (2.1) | 520 (7.3) | 2 (0.4) | ~ ~ |
| Quebec, Canada | 53 (1.8) | 522 (3.2) | 21 (0.9) | 529 (3.8) | 23 (1.8) | 513 (3.8) | 3 (0.4) | 531 (10.6) |
| Moscow City, Russian Fed. | 78 (0.8) | 595 (2.2) | 15 (0.7) | 599 (4.0) | 7 (0.4) | 586 (4.9) | 1 (0.1) | ~ ~ |
| Madrid, Spain | 72 (1.0) | 522 (2.2) | 15 (0.8) | 536 (3.0) | 12 (0.6) | 519 (3.9) | 1 (0.3) | ~ ~ |
| Abu Dhabi, UAE | 39 (0.6) | 386 (4.6) | 14 (0.4) | 441 (4.1) | 39 (0.7) | 452 (3.4) | 9 (0.5) | 405 (5.3) |
| Dubai, UAE | 29 (0.6) | 538 (2.5) | 21 (0.7) | 556 (3.2) | 43 (0.7) | 547 (2.7) | 7 (0.4) | 521 (5.6) |

(.) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.
A tilde (~) indicates insufficient data to report achievement.



Exhibit 5.9: Students Speak the Language of the Test at Home

Students' Reports

| Country | Always | | Almost Always | | Sometimes | | Never | |
|----------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| | Percent of Students | Average Achievement | Percent of Students | Average Achievement | Percent of Students | Average Achievement | Percent of Students | Average Achievement |
| Australia | 77 (1.6) | 512 (3.2) | 14 (0.9) | 534 (6.8) | 8 (0.7) | 542 (11.3) | 1 (0.2) | ~ ~ |
| Bahrain | 55 (0.8) | 480 (2.2) | 19 (0.5) | 494 (3.4) | 21 (0.6) | 477 (3.6) | 4 (0.4) | 460 (9.2) |
| Chile | 87 (0.5) | 439 (2.9) | 11 (0.5) | 461 (4.8) | 2 (0.3) | ~ ~ | 1 (0.2) | ~ ~ |
| Chinese Taipei | 66 (1.0) | 615 (3.1) | 27 (0.9) | 624 (3.7) | 7 (0.4) | 552 (6.1) | 0 (0.1) | ~ ~ |
| Cyprus | 63 (0.9) | 501 (1.9) | 17 (0.7) | 498 (4.5) | 15 (0.6) | 511 (4.2) | 5 (0.4) | 492 (7.6) |
| Egypt | 66 (1.9) | 408 (5.6) | 13 (1.0) | 437 (9.5) | 16 (1.2) | 429 (6.4) | 5 (0.8) | 398 (9.5) |
| England | 81 (1.6) | 516 (5.8) | 12 (1.1) | 523 (8.4) | 6 (0.6) | 516 (10.8) | 1 (0.2) | ~ ~ |
| Finland | 83 (0.8) | 511 (2.6) | 12 (0.6) | 505 (3.7) | 4 (0.4) | 491 (7.1) | 1 (0.1) | ~ ~ |
| France | 75 (1.2) | 489 (2.5) | 17 (0.9) | 472 (3.5) | 6 (0.6) | 442 (7.4) | 1 (0.2) | ~ ~ |
| Georgia | 83 (1.3) | 461 (4.6) | 12 (0.8) | 478 (6.8) | 5 (0.9) | 436 (15.9) | 1 (0.2) | ~ ~ |
| Hong Kong SAR | 73 (1.4) | 574 (4.1) | 11 (0.8) | 584 (8.0) | 12 (1.0) | 597 (8.9) | 3 (0.5) | 595 (12.5) |
| Hungary | 76 (1.0) | 513 (3.3) | 18 (0.8) | 539 (4.7) | 6 (0.5) | 499 (8.2) | 0 (0.1) | ~ ~ |
| Iran, Islamic Rep. of | 53 (2.0) | 461 (4.4) | 15 (0.7) | 466 (5.7) | 20 (1.5) | 419 (6.6) | 12 (1.2) | 404 (9.0) |
| Ireland | 83 (0.8) | 526 (2.6) | 7 (0.5) | 524 (6.5) | 7 (0.6) | 513 (6.1) | 3 (0.3) | 495 (8.1) |
| Israel | 78 (1.1) | 518 (4.3) | 16 (0.8) | 528 (6.6) | 5 (0.5) | 516 (10.7) | 2 (0.2) | ~ ~ |
| Italy | 76 (1.1) | 505 (2.6) | 16 (0.7) | 482 (4.1) | 7 (0.6) | 464 (7.2) | 1 (0.4) | ~ ~ |
| Japan | 96 (0.3) | 596 (2.7) | 3 (0.2) | 568 (10.4) | 1 (0.2) | ~ ~ | 0 (0.1) | ~ ~ |
| Jordan | 77 (1.4) | 420 (4.4) | 12 (1.0) | 442 (7.0) | 8 (0.6) | 412 (7.7) | 3 (0.5) | 387 (12.9) |
| Kazakhstan | 76 (1.0) | 488 (3.5) | 17 (0.8) | 498 (4.7) | 7 (0.5) | 460 (6.4) | 1 (0.1) | ~ ~ |
| Korea, Rep. of | 88 (0.6) | 606 (2.8) | 12 (0.6) | 616 (5.3) | 0 (0.1) | ~ ~ | 0 (0.1) | ~ ~ |
| Kuwait | 51 (1.4) | 391 (5.8) | 11 (0.7) | 417 (7.4) | 29 (1.0) | 418 (5.6) | 9 (1.0) | 408 (6.7) |
| Lebanon | 7 (0.6) | 436 (5.9) | 12 (0.7) | 454 (4.7) | 58 (1.2) | 432 (3.3) | 23 (1.2) | 408 (4.4) |
| Lithuania | 77 (1.1) | 523 (2.8) | 20 (0.9) | 521 (4.5) | 3 (0.6) | 486 (9.7) | 0 (0.1) | ~ ~ |
| Malaysia | 44 (1.5) | 477 (3.1) | 16 (0.7) | 465 (4.0) | 32 (1.1) | 442 (4.6) | 8 (0.9) | 437 (7.7) |
| Morocco | 17 (1.3) | 382 (4.9) | 15 (0.6) | 388 (3.2) | 48 (1.2) | 390 (2.4) | 20 (1.0) | 389 (3.5) |
| New Zealand | 74 (2.0) | 483 (3.2) | 16 (1.0) | 481 (4.6) | 8 (1.2) | 481 (11.3) | 1 (0.2) | ~ ~ |
| Norway (9) | 76 (1.2) | 508 (2.3) | 14 (0.8) | 496 (5.8) | 8 (0.6) | 487 (5.6) | 3 (0.4) | 483 (14.7) |
| Oman | 50 (1.5) | 409 (3.1) | 19 (0.7) | 424 (4.1) | 25 (1.0) | 414 (4.1) | 7 (0.7) | 389 (8.2) |
| Portugal | 88 (0.6) | 501 (3.1) | 9 (0.6) | 510 (4.8) | 2 (0.3) | ~ ~ | 0 (0.1) | ~ ~ |
| Qatar | 45 (1.2) | 416 (4.8) | 20 (0.8) | 480 (5.1) | 28 (1.3) | 466 (5.7) | 7 (0.5) | 427 (7.7) |
| Romania | 87 (1.0) | 480 (4.4) | 9 (0.7) | 504 (7.3) | 3 (0.5) | 446 (10.9) | 1 (0.4) | ~ ~ |
| Russian Federation | 79 (2.2) | 547 (4.1) | 14 (1.0) | 546 (6.5) | 6 (1.3) | 500 (16.3) | 1 (0.4) | ~ ~ |
| Saudi Arabia | 69 (1.2) | 393 (2.7) | 11 (0.6) | 416 (3.8) | 14 (0.7) | 393 (4.9) | 6 (0.6) | 371 (5.9) |
| Singapore | 44 (0.9) | 627 (3.7) | 31 (0.8) | 617 (4.4) | 22 (0.7) | 593 (5.8) | 3 (0.2) | 603 (10.9) |
| South Africa (9) | 14 (0.7) | 432 (4.4) | 13 (0.4) | 430 (3.2) | 65 (0.8) | 377 (2.5) | 8 (0.4) | 354 (4.0) |
| Sweden | 71 (1.4) | 513 (2.4) | 16 (0.9) | 489 (4.3) | 9 (0.7) | 464 (6.7) | 3 (0.3) | 469 (10.5) |
| Turkey | 77 (1.5) | 508 (4.3) | 11 (0.7) | 499 (7.2) | 10 (1.1) | 411 (10.5) | 2 (0.3) | ~ ~ |
| United Arab Emirates | 35 (0.4) | 466 (2.8) | 24 (0.6) | 510 (3.3) | 34 (0.5) | 468 (2.1) | 7 (0.3) | 431 (5.1) |
| United States | 72 (1.1) | 521 (4.9) | 18 (0.7) | 516 (5.1) | 9 (0.5) | 493 (7.4) | 1 (0.2) | ~ ~ |
| International Average | 66 (0.2) | 491 (0.6) | 15 (0.1) | 498 (0.9) | 15 (0.1) | 470 (1.4) | 4 (0.1) | 442 (2.0) |
| Benchmarking Participants | | | | | | | | |
| Ontario, Canada | 64 (1.9) | 522 (4.3) | 21 (1.1) | 547 (5.3) | 12 (0.9) | 546 (5.5) | 2 (0.3) | ~ ~ |
| Quebec, Canada | 64 (2.3) | 540 (3.9) | 22 (1.0) | 547 (4.3) | 11 (1.2) | 554 (6.3) | 4 (0.7) | 566 (11.1) |
| Moscow City, Russian Fed. | 80 (0.8) | 574 (4.3) | 18 (0.7) | 585 (5.4) | 2 (0.2) | ~ ~ | 0 (0.2) | ~ ~ |
| Gauteng, RSA (9) | 17 (1.4) | 470 (7.0) | 22 (0.8) | 444 (3.6) | 55 (1.4) | 400 (3.0) | 6 (0.4) | 391 (4.7) |
| Western Cape, RSA (9) | 47 (2.8) | 454 (6.7) | 18 (0.7) | 473 (5.9) | 32 (2.3) | 409 (3.8) | 3 (0.4) | 397 (8.6) |
| Abu Dhabi, UAE | 20 (0.6) | 457 (5.9) | 23 (0.7) | 465 (3.8) | 46 (0.8) | 426 (3.5) | 11 (0.6) | 391 (6.3) |
| Dubai, UAE | 35 (0.9) | 517 (3.7) | 32 (0.8) | 559 (4.0) | 29 (1.0) | 538 (3.3) | 4 (0.4) | 520 (8.7) |

() Standard errors appear in parentheses. Because of rounding some results may appear inconsistent. A tilde (~) indicates insufficient data to report achievement.

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Exhibit 5.10: Students Speak the Language of the Test at Home

Students' Reports

| Country | Always | | Almost Always | | Sometimes | | Never | |
|----------------------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| | Percent of Students | Average Achievement | Percent of Students | Average Achievement | Percent of Students | Average Achievement | Percent of Students | Average Achievement |
| Australia | 77 (1.6) | 530 (2.8) | 14 (0.9) | 534 (5.7) | 8 (0.7) | 522 (10.3) | 1 (0.2) | ~ ~ |
| Bahrain | 55 (0.8) | 478 (2.0) | 19 (0.5) | 517 (3.7) | 21 (0.6) | 491 (4.2) | 4 (0.4) | 445 (10.4) |
| Chile | 87 (0.5) | 460 (2.8) | 11 (0.5) | 489 (4.5) | 2 (0.3) | ~ ~ | 1 (0.2) | ~ ~ |
| Chinese Taipei | 66 (1.0) | 576 (2.4) | 27 (0.9) | 586 (2.9) | 7 (0.4) | 526 (5.0) | 0 (0.1) | ~ ~ |
| Cyprus | 63 (0.9) | 485 (2.3) | 17 (0.7) | 483 (4.4) | 15 (0.6) | 483 (4.6) | 5 (0.4) | 465 (7.6) |
| Egypt | 66 (1.9) | 385 (6.0) | 13 (1.0) | 415 (8.5) | 16 (1.2) | 406 (6.2) | 5 (0.8) | 370 (10.5) |
| England | 81 (1.6) | 520 (5.3) | 12 (1.1) | 519 (7.8) | 6 (0.6) | 504 (12.0) | 1 (0.2) | ~ ~ |
| Finland | 83 (0.8) | 548 (3.0) | 12 (0.6) | 532 (4.6) | 4 (0.4) | 494 (9.1) | 1 (0.1) | ~ ~ |
| France | 75 (1.2) | 496 (2.7) | 17 (0.9) | 473 (3.8) | 6 (0.6) | 439 (8.2) | 1 (0.2) | ~ ~ |
| Georgia | 83 (1.3) | 445 (4.1) | 12 (0.8) | 466 (6.0) | 5 (0.9) | 434 (16.2) | 1 (0.2) | ~ ~ |
| Hong Kong SAR | 73 (1.4) | 496 (5.5) | 11 (0.8) | 525 (9.5) | 12 (1.0) | 526 (9.9) | 3 (0.5) | 507 (12.8) |
| Hungary | 76 (1.0) | 526 (3.0) | 18 (0.8) | 550 (4.4) | 6 (0.5) | 518 (7.5) | 0 (0.1) | ~ ~ |
| Iran, Islamic Rep. of | 53 (2.0) | 465 (4.0) | 15 (0.7) | 473 (5.4) | 20 (1.5) | 417 (6.1) | 12 (1.2) | 403 (9.0) |
| Ireland | 83 (0.8) | 526 (3.0) | 7 (0.5) | 521 (7.6) | 7 (0.6) | 510 (7.0) | 3 (0.3) | 498 (9.8) |
| Israel | 78 (1.1) | 512 (4.2) | 16 (0.8) | 527 (7.1) | 5 (0.5) | 519 (10.4) | 2 (0.2) | ~ ~ |
| Italy | 76 (1.1) | 510 (2.4) | 16 (0.7) | 487 (4.3) | 7 (0.6) | 451 (7.7) | 1 (0.4) | ~ ~ |
| Japan | 96 (0.3) | 571 (2.2) | 3 (0.2) | 552 (8.4) | 1 (0.2) | ~ ~ | 0 (0.1) | ~ ~ |
| Jordan | 77 (1.4) | 452 (4.6) | 12 (1.0) | 480 (7.3) | 8 (0.6) | 438 (9.6) | 3 (0.5) | 414 (15.5) |
| Kazakhstan | 76 (1.0) | 478 (3.3) | 17 (0.8) | 492 (4.4) | 7 (0.5) | 447 (6.8) | 1 (0.1) | ~ ~ |
| Korea, Rep. of | 88 (0.6) | 561 (2.2) | 12 (0.6) | 564 (4.1) | 0 (0.1) | ~ ~ | 0 (0.1) | ~ ~ |
| Kuwait | 51 (1.4) | 433 (6.4) | 11 (0.7) | 465 (7.5) | 29 (1.0) | 462 (6.5) | 9 (1.0) | 438 (9.2) |
| Lebanon | 7 (0.6) | 397 (8.0) | 12 (0.7) | 424 (7.1) | 58 (1.2) | 381 (5.2) | 23 (1.2) | 337 (6.6) |
| Lithuania | 77 (1.1) | 535 (2.9) | 20 (0.9) | 538 (4.8) | 3 (0.6) | 498 (10.3) | 0 (0.1) | ~ ~ |
| Malaysia | 44 (1.5) | 491 (3.3) | 16 (0.7) | 468 (3.9) | 32 (1.1) | 434 (4.2) | 8 (0.9) | 379 (9.2) |
| Morocco | 17 (1.3) | 398 (4.7) | 15 (0.6) | 405 (3.6) | 48 (1.2) | 405 (3.0) | 20 (1.0) | 405 (3.2) |
| New Zealand | 74 (2.0) | 506 (3.1) | 16 (1.0) | 490 (4.4) | 8 (1.2) | 464 (11.5) | 1 (0.2) | ~ ~ |
| Norway (9) | 76 (1.2) | 502 (2.9) | 14 (0.8) | 488 (6.4) | 8 (0.6) | 460 (9.0) | 3 (0.4) | 470 (18.9) |
| Oman | 50 (1.5) | 460 (3.3) | 19 (0.7) | 473 (3.7) | 25 (1.0) | 454 (4.4) | 7 (0.7) | 427 (8.8) |
| Portugal | 88 (0.6) | 518 (2.8) | 9 (0.6) | 536 (4.9) | 2 (0.3) | ~ ~ | 0 (0.1) | ~ ~ |
| Qatar | 45 (1.2) | 459 (4.8) | 20 (0.8) | 511 (5.9) | 28 (1.3) | 482 (6.3) | 7 (0.5) | 448 (9.1) |
| Romania | 87 (1.0) | 471 (4.2) | 9 (0.7) | 494 (7.9) | 3 (0.5) | 428 (15.9) | 1 (0.4) | ~ ~ |
| Russian Federation | 79 (2.2) | 548 (3.5) | 14 (1.0) | 544 (5.8) | 6 (1.3) | 486 (14.3) | 1 (0.4) | ~ ~ |
| Saudi Arabia | 69 (1.2) | 431 (2.7) | 11 (0.6) | 461 (4.4) | 14 (0.7) | 429 (5.3) | 6 (0.6) | 404 (6.9) |
| Singapore | 44 (0.9) | 623 (3.4) | 31 (0.8) | 610 (4.5) | 22 (0.7) | 578 (5.9) | 3 (0.2) | 579 (11.8) |
| South Africa (9) | 14 (0.7) | 436 (5.5) | 13 (0.4) | 431 (3.7) | 65 (0.8) | 351 (3.3) | 8 (0.4) | 311 (5.9) |
| Sweden | 71 (1.4) | 540 (2.8) | 16 (0.9) | 508 (5.7) | 9 (0.7) | 447 (8.7) | 3 (0.3) | 443 (12.6) |
| Turkey | 77 (1.5) | 527 (3.8) | 11 (0.7) | 519 (5.5) | 10 (1.1) | 434 (9.2) | 2 (0.3) | ~ ~ |
| United Arab Emirates | 35 (0.4) | 473 (3.0) | 24 (0.6) | 519 (3.9) | 34 (0.5) | 460 (2.7) | 7 (0.3) | 396 (7.0) |
| United States | 72 (1.1) | 530 (4.8) | 18 (0.7) | 523 (4.6) | 9 (0.5) | 487 (7.1) | 1 (0.2) | ~ ~ |
| International Average | 66 (0.2) | 495 (0.6) | 15 (0.1) | 502 (0.9) | 15 (0.1) | 465 (1.4) | 4 (0.1) | 428 (2.4) |
| Benchmarking Participants | | | | | | | | |
| Ontario, Canada | 64 (1.9) | 520 (3.4) | 21 (1.1) | 534 (4.4) | 12 (0.9) | 518 (5.1) | 2 (0.3) | ~ ~ |
| Quebec, Canada | 64 (2.3) | 535 (4.1) | 22 (1.0) | 540 (4.5) | 11 (1.2) | 536 (6.5) | 4 (0.7) | 543 (11.2) |
| Moscow City, Russian Fed. | 80 (0.8) | 566 (3.0) | 18 (0.7) | 571 (4.1) | 2 (0.2) | ~ ~ | 0 (0.2) | ~ ~ |
| Gauteng, RSA (9) | 17 (1.4) | 489 (7.3) | 22 (0.8) | 459 (4.4) | 55 (1.4) | 394 (4.0) | 6 (0.4) | 371 (6.1) |
| Western Cape, RSA (9) | 47 (2.8) | 460 (7.6) | 18 (0.7) | 481 (6.9) | 32 (2.3) | 392 (5.0) | 3 (0.4) | 370 (12.7) |
| Abu Dhabi, UAE | 20 (0.6) | 461 (7.4) | 23 (0.7) | 463 (5.2) | 46 (0.8) | 404 (4.2) | 11 (0.6) | 340 (8.4) |
| Dubai, UAE | 35 (0.9) | 529 (4.0) | 32 (0.8) | 574 (4.3) | 29 (1.0) | 547 (3.8) | 4 (0.4) | 512 (9.9) |

() Standard errors appear in parentheses. Because of rounding some results may appear inconsistent. A tilde (~) indicates insufficient data to report achievement.

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