

## Exhibit 3.4: Relative Average Achievement in Comprehension Processes

## Assessed Fourth Grade Students at the End of the School Year

⌘ Assessed one year later than originally scheduled

■ Delayed Assessment of Fourth Grade Cohort at the Beginning of Fifth Grade

| Country                                      | Overall PIRLS Average Scale Score | Retrieving and Straightforward Inferencing |                                     | Interpreting, Integrating, and Evaluating |                                     | Difference                                   |   |
|--|-----------------------------------|--|-------------------------------------|---|-------------------------------------|--|---|
|  |                                   | Average Scale Score                        | Difference from Overall PIRLS Score | Average Scale Score                       | Difference from Overall PIRLS Score | Process Score Lower than Overall PIRLS Score | Process Score Higher than Overall PIRLS Score |
| <sup>2=</sup> United States                  | 548 (6.8)                         | 539 (6.1)                                  | -8 (2.2) ▼                          | 555 (7.1)                                 | 8 (2.6) ▲                           |  |   |
| <sup>2†</sup> Northern Ireland               | 566 (2.5)                         | 558 (2.6)                                  | -8 (1.5) ▼                          | 573 (2.2)                                 | 8 (1.8) ▲                           |  |   |
| Australia ⌘                                  | 540 (2.2)                         | 534 (2.4)                                  | -6 (1.1) ▼                          | 547 (2.3)                                 | 7 (1.0) ▲                           |  |   |
| <sup>1</sup> Georgia                         | 494 (2.6)                         | 489 (2.4)                                  | -6 (1.2) ▼                          | 500 (2.7)                                 | 6 (1.4) ▲                           |  |   |
| Ireland                                      | 577 (2.5)                         | 571 (2.3)                                  | -6 (0.9) ▼                          | 582 (2.7)                                 | 5 (1.9) ▲                           |  |   |
| <sup>2</sup> Albania                         | 513 (3.1)                         | 508 (3.4)                                  | -4 (2.2) ▼                          | 518 (3.1)                                 | 5 (1.9) ▲                           |  |   |
| <sup>†</sup> Croatia                         | 557 (2.5)                         | 552 (2.6)                                  | -4 (1.4) ▼                          | 561 (2.7)                                 | 5 (1.2) ▲                           |  |   |
| Oman   | 429 (3.7)                         | 426 (3.6)                                  | -4 (0.9) ▼                          | 433 (3.9)                                 | 4 (1.6) ▲                           |  |   |
| Latvia                                       | 528 (2.6)                         | 525 (2.7)                                  | -3 (1.0) ▼                          | 532 (2.7)                                 | 4 (1.4) ▲                           |  |   |
| <sup>3</sup> Singapore                       | 587 (3.1)                         | 584 (3.0)                                  | -3 (0.7) ▼                          | 591 (3.2)                                 | 4 (0.5) ▲                           |  |   |
| Poland                                       | 549 (2.2)                         | 545 (2.2)                                  | -4 (1.2) ▼                          | 552 (2.0)                                 | 3 (1.1) ▲                           |  |   |
| <sup>3</sup> Montenegro                      | 487 (1.6)                         | 484 (1.9)                                  | -3 (1.3) ▼                          | 491 (2.4)                                 | 4 (1.8) ▲                           |  |   |
| England ⌘                                    | 558 (2.5)                         | 554 (2.4)                                  | -3 (0.9) ▼                          | 561 (2.5)                                 | 4 (1.4) ▲                           |  |   |
| <sup>3</sup> Serbia                          | 514 (2.8)                         | 510 (3.0)                                  | -3 (1.4) ▼                          | 516 (2.7)                                 | 3 (1.4) ▲                           |  |   |
| Bahrain                                      | 458 (2.9)                         | 456 (2.9)                                  | -3 (0.8) ▼                          | 462 (3.0)                                 | 3 (0.9) ▲                           |  |   |
| <sup>2ψ</sup> Egypt                          | 378 (5.4)                         | 376 (5.4)                                  | -2 (0.9) ▼                          | 380 (5.1)                                 | 2 (1.4) ▲                           |  |   |
| <sup>3</sup> Israel ⌘                        | 510 (2.2)                         | 508 (2.3)                                  | -2 (0.9) ▼                          | 512 (2.7)                                 | 2 (1.4) ▲                           |  |   |
| Cyprus                                       | 511 (2.9)                         | 509 (2.5)                                  | -2 (1.1) ▼                          | 512 (3.3)                                 | 2 (1.1) ▲                           |  |   |
| Hungary                                      | 539 (3.4)                         | 538 (3.4)                                  | -1 (1.4) ▼                          | 541 (3.3)                                 | 2 (1.2) ▲                           |  |   |
| <sup>≡</sup> Netherlands                     | 527 (2.5)                         | 527 (2.8)                                  | -1 (1.6) ▼                          | 529 (2.6)                                 | 2 (1.0) ▲                           |  |   |
| <sup>2†</sup> Brazil ⌘                       | 419 (5.3)                         | 418 (5.2)                                  | -1 (2.2) ▼                          | 420 (5.3)                                 | 1 (2.1) ▲                           |  |   |
| <sup>†</sup> New Zealand                     | 521 (2.3)                         | 521 (2.3)                                  | -1 (0.8) ▼                          | 522 (2.4)                                 | 1 (1.0) ▲                           |  |   |
| <sup>2</sup> Italy                           | 537 (2.2)                         | 537 (2.4)                                  | 0 (1.2) ▼                           | 538 (2.2)                                 | 1 (0.7) ▲                           |  |   |
| <sup>2†</sup> Denmark                        | 539 (2.2)                         | 539 (2.1)                                  | 0 (1.0) ▼                           | 540 (2.2)                                 | 1 (1.1) ▲                           |  |   |
| <sup>2</sup> Portugal                        | 520 (2.3)                         | 520 (2.3)                                  | 0 (0.8) ▼                           | 520 (2.1)                                 | 0 (0.8) ▲                           |  |   |
| Russian Federation                           | 567 (3.6)                         | 568 (3.8)                                  | 1 (1.4) ▼                           | 568 (3.8)                                 | 1 (1.3) ▲                           |  |   |
| Bulgaria                                     | 540 (3.0)                         | 541 (3.1)                                  | 1 (1.5) ▼                           | 541 (3.1)                                 | 1 (1.6) ▲                           |  |   |
| Slovenia                                     | 520 (1.9)                         | 520 (1.9)                                  | 0 (0.7) ▼                           | 519 (1.8)                                 | 0 (0.9) ▲                           |  |   |
| Belgium (Flemish)                            | 511 (2.3)                         | 511 (2.2)                                  | 0 (0.8) ▼                           | 510 (2.3)                                 | 0 (0.7) ▲                           |  |   |
| Finland                                      | 549 (2.4)                         | 550 (2.6)                                  | 1 (0.8) ▼                           | 549 (2.4)                                 | 0 (0.8) ▲                           |  |   |
| <sup>†</sup> Slovak Republic                 | 529 (2.7)                         | 530 (2.6)                                  | 1 (1.3) ▼                           | 529 (2.6)                                 | 0 (1.1) ▲                           |  |   |
| Spain  | 521 (2.2)                         | 522 (2.3)                                  | 1 (0.9) ▼                           | 520 (2.2)                                 | -1 (0.8) ▲                          |  |   |
| Malta  | 515 (2.7)                         | 515 (2.9)                                  | 1 (1.0) ▼                           | 513 (2.9)                                 | -1 (1.2) ▲                          |  |   |
| United Arab Emirates                         | 483 (1.8)                         | 484 (1.8)                                  | 1 (0.6) ▼                           | 482 (1.9)                                 | -1 (0.6) ▼                          |  |   |
| Norway (5)                                   | 539 (2.0)                         | 540 (2.0)                                  | 1 (0.7) ▼                           | 538 (2.4)                                 | -1 (1.2) ▼                          |  |   |
| Germany                                      | 524 (2.1)                         | 525 (2.1)                                  | 1 (0.7) ▼                           | 522 (2.0)                                 | -2 (0.8) ▼                          |  |   |
| Jordan                                       | 381 (5.4)                         | 381 (5.3)                                  | 1 (1.9) ▼                           | 379 (5.5)                                 | -2 (1.6) ▼                          |  |   |
| Kazakhstan                                   | 504 (2.7)                         | 505 (2.6)                                  | 2 (0.9) ▼                           | 502 (2.7)                                 | -2 (0.7) ▼                          |  |   |
| Lithuania                                    | 552 (2.3)                         | 554 (2.5)                                  | 2 (1.3) ▼                           | 551 (2.7)                                 | -1 (1.3) ▼                          |  |   |
| Iran, Islamic Rep. of ⌘                      | 413 (4.9)                         | 414 (4.7)                                  | 1 (1.4) ▼                           | 411 (4.7)                                 | -2 (1.1) ▼                          |  |   |
| <sup>2</sup> Sweden                          | 544 (2.1)                         | 546 (2.3)                                  | 2 (1.2) ▼                           | 542 (2.2)                                 | -1 (1.0) ▼                          |  |   |
| Austria                                      | 530 (2.2)                         | 532 (2.4)                                  | 2 (0.9) ▲                           | 528 (2.2)                                 | -2 (0.8) ▼                          |  |   |
| Qatar  | 485 (3.7)                         | 486 (3.7)                                  | 1 (1.2) ▼                           | 482 (3.8)                                 | -3 (1.1) ▼                          |  |   |
| Chinese Taipei                               | 544 (2.2)                         | 546 (2.1)                                  | 2 (0.7) ▲                           | 542 (2.2)                                 | -2 (0.6) ▼                          |  |   |
| <sup>2</sup> Belgium (French)                | 494 (2.7)                         | 497 (2.4)                                  | 2 (1.6) ▼                           | 492 (2.4)                                 | -2 (1.6) ▼                          |  |   |
| North Macedonia                              | 442 (5.3)                         | 443 (5.4)                                  | 1 (1.1) ▼                           | 439 (6.0)                                 | -3 (1.3) ▼                          |  |   |
| <sup>2†</sup> Hong Kong SAR                  | 573 (2.7)                         | 577 (2.9)                                  | 4 (1.4) ▲                           | 572 (2.6)                                 | 0 (1.3) ▼                           |  |   |
| <sup>2</sup> Türkiye                         | 496 (3.4)                         | 499 (3.6)                                  | 3 (1.4) ▲                           | 494 (3.4)                                 | -2 (1.2) ▼                          |  |   |
| Czech Republic                               | 540 (2.3)                         | 542 (2.5)                                  | 3 (0.9) ▲                           | 537 (2.4)                                 | -3 (0.7) ▼                          |  |   |
| <sup>3</sup> Saudi Arabia                    | 449 (3.6)                         | 450 (3.4)                                  | 2 (1.3) ▼                           | 443 (3.8)                                 | -5 (1.6) ▼                          |  |   |
| Macao SAR                                    | 536 (1.3)                         | 541 (1.0)                                  | 5 (1.3) ▲                           | 534 (1.1)                                 | -2 (1.1) ▼                          |  |   |
| Morocco                                      | 372 (4.5)                         | 374 (4.1)                                  | 1 (1.7) ▼                           | 366 (4.7)                                 | -6 (1.7) ▼                          |  |   |
| France                                       | 514 (2.5)                         | 519 (2.8)                                  | 5 (1.4) ▲                           | 510 (2.6)                                 | -4 (1.1) ▼                          |  |   |
| <sup>⋈</sup> South Africa ⌘                  | 288 (4.4)                         | 290 (4.5)                                  | 2 (1.1) ▼                           | 279 (4.5)                                 | -9 (1.0) ▼                          |  |   |
| Uzbekistan                                   | 437 (2.9)                         | 441 (2.9)                                  | 4 (1.3) ▲                           | 430 (3.2)                                 | -7 (1.5) ▼                          |  |   |
| <sup>2</sup> Kosovo                          | 421 (3.1)                         | 424 (3.0)                                  | 4 (1.4) ▲                           | 412 (3.1)                                 | -9 (1.2) ▼                          |  |   |
| Azerbaijan                                   | 440 (3.6)                         | 446 (3.7)                                  | 6 (1.1) ▲                           | 431 (3.7)                                 | -10 (1.2) ▼                         |  |   |
| <b>Benchmarking Participants</b>             |                                   |  |                                     |   |                                     |  |   |
| <sup>2</sup> British Columbia, Canada        | 535 (3.5)                         | 532 (3.8)                                  | -3 (1.2) ▼                          | 540 (3.6)                                 | 4 (0.8) ▲                           |  |   |
| <sup>3=</sup> Alberta, Canada                | 539 (3.6)                         | 537 (3.6)                                  | -2 (1.1) ▼                          | 543 (3.6)                                 | 5 (1.1) ▲                           |  |   |
| <sup>2</sup> Dubai, UAE                      | 552 (1.5)                         | 550 (1.6)                                  | -2 (1.0) ▼                          | 554 (1.8)                                 | 2 (0.8) ▲                           |  |   |
| <sup>2</sup> Newfoundland & Labrador, Canada | 523 (3.2)                         | 522 (3.3)                                  | -1 (2.0) ▼                          | 526 (3.3)                                 | 2 (2.0) ▲                           |  |   |
| <sup>≡</sup> Quebec, Canada                  | 551 (2.7)                         | 551 (2.6)                                  | 0 (0.9) ▼                           | 552 (2.5)                                 | 1 (1.3) ▲                           |  |   |
| Abu Dhabi, UAE                               | 440 (3.5)                         | 441 (3.6)                                  | 1 (1.0) ▼                           | 438 (3.8)                                 | -1 (1.1) ▼                          |  |   |
| Moscow City, Russian Federation              | 598 (2.1)                         | 602 (2.0)                                  | 4 (1.1) ▲                           | 597 (1.9)                                 | -1 (0.9) ▼                          |  |   |
| South Africa (6) ⌘                           | 384 (4.5)                         | 386 (4.5)                                  | 1 (1.1) ▼                           | 381 (4.5)                                 | -3 (1.5) ▼                          |  |   |

▲ Process score significantly higher than overall PIRLS score

▼ Process score significantly lower than overall PIRLS score

■ Retrieving and Straightforward Inferencing

■ Interpreting, Integrating, and Evaluating

( ) Standard errors appear in parentheses. Because of rounding some results may appear inconsistent.

See Appendix A.2 for population coverage notes 1, 2, and 3. See Appendix A.5 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%.

⋈ Reservations about reliability because the percentage of students with achievement too low for estimation exceeds 25%.

Issues identified in Albania's data quality led to reduced comparability and framework coverage.