

Table I.1. Snapshot of performance in mathematics, reading and science [1/2]

| | Mean score in PISA 2022 | | | Long-term trend: Average decennial trend | | | Short-term change in performance (PISA 2018 to PISA 2022) | | | Top-performing and low-performing students | |
|----------------------|-------------------------|---------|---------|---|------------|------------|--|------------|------------|---|--|
| | Mathematics | Reading | Science | Mathematics | Reading | Science | Mathematics | Reading | Science | Share of top performers in at least one subject (Level 5 or 6) % | Share of low performers in all three subjects (below Level 2) % |
| | Mean | Mean | Mean | Score dif. | Score dif. | Score dif. | Score dif. | Score dif. | Score dif. | | |
| OECD average | 472 | 476 | 485 | -7 | -4 | -7 | -15 | -10 | -2 | 13.7 | 16.4 |
| Singapore | 575 | 543 | 561 | 6 | 12 | 12 | 6 | -7 | 10 | 44.5 | 4.2 |
| Japan | 536 | 516 | 547 | 2 | 2 | 4 | 9 | 12 | 17 | 28.7 | 5.3 |
| Korea | 527 | 515 | 528 | -13 | -11 | -4 | 1 | 1 | 9 | 29.7 | 7.3 |
| Estonia | 510 | 511 | 526 | 1 | 11 | -3 | -13 | -12 | -4 | 20.0 | 5.2 |
| Switzerland | 508 | 483 | 503 | -12 | -7 | -11 | -7 | -1 | 7 | 19.4 | 12.4 |
| Canada* | 497 | 507 | 515 | -17 | -9 | -12 | -15 | -13 | -3 | 22.7 | 8.1 |
| Netherlands* | 493 | 459 | 488 | -20 | -25 | -23 | -27 | -26 | -15 | 19.0 | 20.2 |
| Ireland* | 492 | 516 | 504 | -2 | -1 | -7 | -8 | -2 | 8 | 14.7 | 7.5 |
| Belgium | 489 | 479 | 491 | -18 | -11 | -11 | -19 | -14 | -8 | 15.5 | 15.2 |
| Denmark* | 489 | 489 | 494 | -9 | 0 | -3 | -20 | -12 | 1 | 12.8 | 10.3 |
| United Kingdom* | 489 | 494 | 500 | -1 | 2 | -10 | -13 | -10 | -5 | 17.9 | 12.0 |
| Poland | 489 | 489 | 499 | 5 | 5 | -1 | -27 | -23 | -12 | 15.3 | 11.9 |
| Austria | 487 | 480 | 491 | -9 | -5 | -14 | -12 | -4 | 1 | 14.6 | 15.5 |
| Australia* | 487 | 498 | 507 | -21 | -14 | -16 | -4 | -5 | 4 | 20.7 | 12.1 |
| Czech Republic | 487 | 489 | 498 | -12 | 1 | -9 | -12 | -2 | 1 | 15.5 | 12.2 |
| Slovenia | 485 | 469 | 500 | -7 | -7 | -10 | -24 | -27 | -7 | 13.0 | 12.0 |
| Finland | 484 | 490 | 511 | -34 | -23 | -34 | -23 | -30 | -11 | 17.9 | 11.5 |
| Latvia* | 483 | 475 | 494 | 2 | 3 | -1 | -13 | -4 | 7 | 9.7 | 10.6 |
| Sweden | 482 | 487 | 494 | -9 | -11 | -2 | -21 | -19 | -6 | 17.0 | 15.2 |
| New Zealand* | 479 | 501 | 504 | -24 | -12 | -18 | -15 | -5 | -4 | 19.5 | 13.7 |
| Lithuania | 475 | 472 | 484 | -4 | 2 | -6 | -6 | -4 | 2 | 10.4 | 14.4 |
| Germany | 475 | 480 | 492 | -12 | 2 | -17 | -25 | -18 | -11 | 14.6 | 16.7 |
| France | 474 | 474 | 487 | -14 | -8 | -6 | -21 | -19 | -6 | 12.9 | 16.8 |
| Spain | 473 | 474 | 485 | -4 | -1 | -2 | m | m | m | 10.6 | 12.9 |
| Hungary | 473 | 473 | 486 | -10 | -5 | -15 | -8 | -3 | 5 | 11.2 | 16.5 |
| Portugal | 472 | 477 | 484 | 8 | 7 | 5 | -21 | -15 | -7 | 10.1 | 13.8 |
| Italy | 471 | 482 | 477 | 8 | 1 | -6 | -15 | 5 | 9 | 10.7 | 12.9 |
| Viet Nam** | 469 | 462 | 472 | m | m | m | m | m | m | 6.3 | 12.2 |
| Norway | 468 | 477 | 478 | -7 | -5 | -7 | -33 | -23 | -12 | 13.8 | 17.5 |
| Malta | 466 | 445 | 466 | 3 | 3 | 2 | -6 | -3 | 9 | 10.7 | 21.6 |
| United States* | 465 | 504 | 499 | -8 | 2 | 5 | -13 | -1 | -3 | 18.1 | 14.8 |
| Slovak Republic | 464 | 447 | 462 | -16 | -13 | -20 | -22 | -11 | -2 | 9.5 | 22.2 |
| Croatia | 463 | 475 | 483 | -1 | 0 | -10 | -1 | -3 | 10 | 9.7 | 13.6 |
| Iceland | 459 | 436 | 447 | -24 | -24 | -27 | -36 | -38 | -28 | 6.8 | 23.3 |
| Israel | 458 | 474 | 465 | 11 | 13 | 7 | -5 | 3 | 3 | 15.1 | 21.3 |
| Türkiye | 453 | 456 | 476 | 14 | 5 | 24 | 0 | -10 | 8 | 7.3 | 18.5 |
| Brunei Darussalam | 442 | 429 | 446 | m | m | m | 12 | 21 | 15 | 4.5 | 30.0 |
| Serbia | 440 | 440 | 447 | 3 | 16 | 4 | -8 | 1 | 8 | 5.0 | 24.5 |
| United Arab Emirates | 431 | 417 | 432 | 7 | -12 | -8 | -4 | -14 | -2 | 8.8 | 33.9 |
| Greece | 430 | 438 | 441 | -9 | -12 | -21 | -21 | -19 | -11 | 3.9 | 25.7 |
| Romania | 428 | 428 | 428 | 6 | 15 | 3 | -2 | 1 | 2 | 5.0 | 33.2 |
| Kazakhstan | 425 | 386 | 423 | 10 | -4 | 6 | 2 | -1 | 26 | 2.2 | 32.8 |
| Mongolia | 425 | 378 | 412 | m | m | m | m | m | m | 2.3 | 39.9 |

Notes: Values that are statistically significant are marked in bold (see Annex A3). * Caution is required when interpreting estimates because one or more PISA sampling standards were not met (see Reader's Guide, Annexes A2 and A4). Long-term trends are reported for the longest available period since PISA 2003 for mathematics, PISA 2000 for reading and PISA 2006 for science. The OECD average does not include Costa Rica and Spain for short-term change in performance. Countries and economies are ranked in descending order of the mean mathematics score in PISA 2022. Source: OECD, PISA 2022 Database, Tables I.B1.2.1, I.B1.2.2, I.B1.2.3, I.B1.4.42, I.B1.4.43, I.B1.5.4, I.B1.5.5 and I.B1.5.6:

Table I.1. Snapshot of performance in mathematics, reading and science [2/2]

| | Mean score in PISA 2022 | | | Long-term trend: Average decennial trend | | | Short-term change in performance (PISA 2018 to PISA 2022) | | | Top-performing and low-performing students | |
|------------------------------|-------------------------|---------|---------|---|------------|------------|--|------------|------------|--|---|
| | Mathematics | Reading | Science | Mathematics | Reading | Science | Mathematics | Reading | Science | Share of top performers in at least one subject (Level 5 or 6) | Share of low performers in all three subjects (below Level 2) |
| | Mean | Mean | Mean | Score dif. | Score dif. | Score dif. | Score dif. | Score dif. | Score dif. | % | % |
| Bulgaria | 417 | 404 | 421 | 3 | -5 | -11 | -19 | -16 | -3 | 4.6 | 38.3 |
| Moldova | 414 | 411 | 417 | 14 | 20 | 5 | -6 | -13 | -12 | 1.7 | 37.1 |
| Qatar | 414 | 419 | 432 | 58 | 59 | 51 | 0 | 12 | 13 | 5.2 | 34.2 |
| Chile | 412 | 448 | 444 | -1 | 16 | 2 | -6 | -4 | 0 | 3.6 | 24.8 |
| Uruguay | 409 | 430 | 435 | -8 | 3 | 5 | -9 | 3 | 10 | 3.4 | 30.6 |
| Malaysia | 409 | 388 | 416 | 7 | -12 | 1 | -32 | -27 | -21 | 1.3 | 40.6 |
| Montenegro | 406 | 405 | 403 | 10 | 9 | 0 | -24 | -16 | -12 | 1.5 | 41.3 |
| Mexico | 395 | 415 | 410 | 2 | 4 | 1 | -14 | -5 | -9 | 0.7 | 38.4 |
| Thailand | 394 | 379 | 409 | -8 | -20 | -8 | -25 | -14 | -17 | 1.3 | 46.3 |
| Peru | 391 | 408 | 408 | 26 | 38 | 33 | -9 | 8 | 4 | 1.3 | 40.8 |
| Georgia | 390 | 374 | 384 | 8 | -2 | 6 | -8 | -6 | 1 | 1.3 | 51.1 |
| Saudi Arabia | 389 | 383 | 390 | m | m | m | 16 | -17 | 4 | 0.3 | 48.6 |
| North Macedonia | 389 | 359 | 380 | m | -2 | m | -6 | -34 | -33 | 0.7 | 55.8 |
| Costa Rica | 385 | 415 | 411 | -17 | -21 | -16 | -18 | -11 | -5 | 1.1 | 38.1 |
| Colombia | 383 | 409 | 411 | 9 | 12 | 15 | -8 | -4 | -2 | 1.5 | 40.7 |
| Brazil | 379 | 410 | 403 | 10 | 7 | 5 | -5 | -3 | -1 | 2.6 | 42.2 |
| Argentina | 378 | 401 | 406 | -5 | -2 | 7 | -2 | -1 | 2 | 1.5 | 42.7 |
| Jamaica* | 377 | 410 | 403 | m | m | m | m | m | m | 1.7 | 43.5 |
| Albania | 368 | 358 | 376 | 4 | 12 | -5 | -69 | -47 | -41 | 0.8 | 56.2 |
| Indonesia | 366 | 359 | 383 | 0 | -5 | 0 | -13 | -12 | -13 | 0.1 | 59.0 |
| Morocco | 365 | 339 | 365 | m | m | m | -3 | -20 | -11 | 0.0 | 68.5 |
| Uzbekistan | 364 | 336 | 355 | m | m | m | m | m | m | 0.1 | 71.4 |
| Jordan | 361 | 342 | 375 | -8 | m | m | -39 | m | m | 0.0 | 62.9 |
| Panama* | 357 | 392 | 388 | -4 | 15 | 5 | 4 | 15 | 23 | 1.2 | 50.4 |
| Philippines | 355 | 347 | 356 | m | m | m | 2 | 7 | -1 | 0.2 | 71.3 |
| Guatemala | 344 | 374 | 373 | m | m | m | 10 | 5 | 8 | 0.1 | 63.8 |
| El Salvador | 343 | 365 | 373 | m | m | m | m | m | m | 0.2 | 62.8 |
| Dominican Republic | 339 | 351 | 360 | m | m | m | 14 | 10 | 25 | 0.1 | 68.4 |
| Paraguay | 338 | 373 | 368 | m | m | m | 11 | 3 | 10 | 0.1 | 61.1 |
| Cambodia | 336 | 329 | 347 | m | m | m | 12 | 8 | 17 | 0.0 | 82.2 |
| Macao (China) | 552 | 510 | 543 | 18 | 14 | 24 | -6 | -15 | 0 | 31.1 | 4.1 |
| Chinese Taipei | 547 | 515 | 537 | -6 | 8 | 2 | 16 | 13 | 22 | 34.8 | 7.9 |
| Hong Kong (China)* | 540 | 500 | 520 | -3 | -5 | -21 | -11 | -25 | 4 | 29.7 | 7.2 |
| Ukrainian regions (18 of 27) | 441 | 428 | 450 | m | m | m | m | m | m | 4.6 | 25.3 |
| Cyprus | 418 | 381 | 411 | m | m | m | -32 | -43 | -28 | 5.3 | 40.3 |
| Baku (Azerbaijan) | 397 | 365 | 380 | m | m | m | -23 | -24 | -18 | 0.9 | 50.9 |
| Palestinian Authority | 366 | 349 | 369 | m | m | m | m | m | m | 0.1 | 63.5 |
| Kosovo | 355 | 342 | 357 | m | m | m | -11 | -11 | -8 | 0.0 | 72.9 |

Notes: Values that are statistically significant are marked in bold (see Annex A3). * Caution is required when interpreting estimates because one or more PISA sampling standards were not met (see Reader's Guide, Annexes A2 and A4). Long-term trends are reported for the longest available period since PISA 2003 for mathematics, PISA 2000 for reading and PISA 2006 for science. The OECD average does not include Costa Rica and Spain for short-term change in performance. Countries and economies are ranked in descending order of the mean mathematics score in PISA 2022. Source: OECD, PISA 2022 Database, Tables I.B1.2.1, I.B1.2.2, I.B1.2.3, I.B1.4.42, I.B1.4.43, I.B1.5.4, I.B1.5.5 and I.B1.5.6