

Progress and Achievement in Mathematics Test 2024 - English Medium Students, Years 4 - 8

PAT Pāngarau | *PAT Mathematics* is a refreshed PAT maths assessment, available for all schools to use through NZCER Assist and for purchase in paper format. It replaces the previous PAT: Mathematics assessments. The assessments have been refreshed with an explicitly equity focus, ensuring all ākonga are represented in the design and content.

The test remains a nationally standardised one, therefore we can still compare the results to previous years. Overall, there is a significant improvement compared to last year. This may reflect some improvements or changes in the test, however, maths OTJ's have also lifted and the results support this. Teachers have also speculated that the Covid repercussions to learning and achievement are finally being mitigated. Whatever the actual reason, the results are good news overall in relation to PAT mathematics achievement, especially for 9 students whose results last year indicated they were achieving *below* expectation. Seven of these students achieved results that indicate they are now *at expectation* and two achieved results that indicate they are achieving *above* expectation. Two other students' results indicate they are no longer operating *well below* expectation and instead are now operating *below* expectation.

While most children either remained the same or improved, there are a couple of students whose results indicate they have fallen further behind in achievement. These students' results need closer analysis. The children concerned remain priority learners, requiring continued extra support going forward.

The results indicate that 39% of our students are achieving *above* expectation in Mathematics, including 19% who achieved stanine 9 (exceptional). Results also show that 20/23 (87%) of year 7 and 8 students are likely achieving *at or above* expectation.

Result tables

Students receive a stanine based on their mathematics score. A stanine 1 is *very low* and a stanine 9 is *exceptional*. When used in relation to our OTJ assessment they indicate the following:

Stanine	1	2	3	4	5	6	7	8	9
Indicates	well below		below		at		above		well above

Number of students and percentage

Group	Well Below	Below	At	Above	Well above	Below to well below	At or above
2023 Overall	5 - 7%	13 - 22 %	27 - 38%	22 - 31%	2 - 3%	21 - 29%	51 - 71%
2024 Overall	4 - 5%	11 -14%	34 - 43%	16 - 20%	15 - 19%	14 - 18%	79 - 82%
Female 2024	3 - 8%	5 - 13%	17 - 44%	10 - 26%	4 - 10%	8 - 21%	31 -80%
Male 2024	1 - 2%	6 - 14%	17 - 41%	6 - 15%	11 - 27%	7 - 16%	34 - 83%

Māori Students: There are 4 Māori students in years 4 to 8 in the English medium strand. Scores indicate 2 are achieving *at* expectation, 1 is achieving *above* expectation and 1 is achieving *well above* expectation.

Pacific Peoples: There are 2 pacific people's students in years 4 - 8 in the English medium strand. Scores indicate 1 student is achieving *below* expectation and 1 is achieving *at* expectation.