

2021 Tuvalu Report / Performance / Numeracy / Year 6 numeracy / Performance by school authority

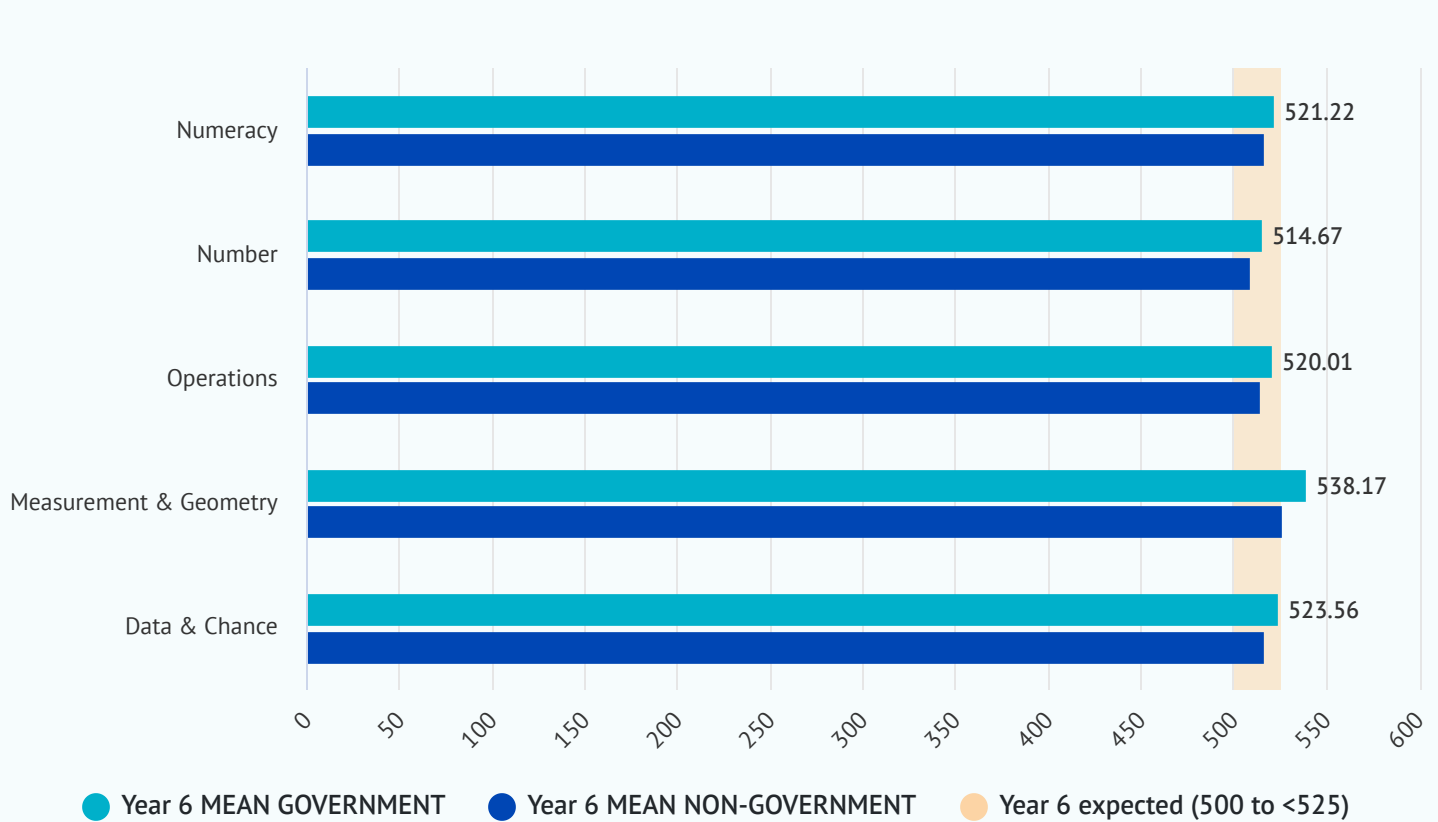
## Year 6 performance by school authority

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Most year six students in Tuvalu who had their performance analysed in the PILNA 2021 numeracy assessment were enrolled in government schools: 85% in government schools and 15% in non-government schools.

Figure CNF6.5

### Year 6 Numeracy performance by school authority



Category	Year 6 MEAN GOVERNMENT	Year 6 MEAN NON-GOVERNMENT
Numeracy	521.22	515.95
Number	514.67	508.78
Operations	520.01	513.36
Measurement & Geometry	538.17	525.23
Data & Chance	523.56	515.93

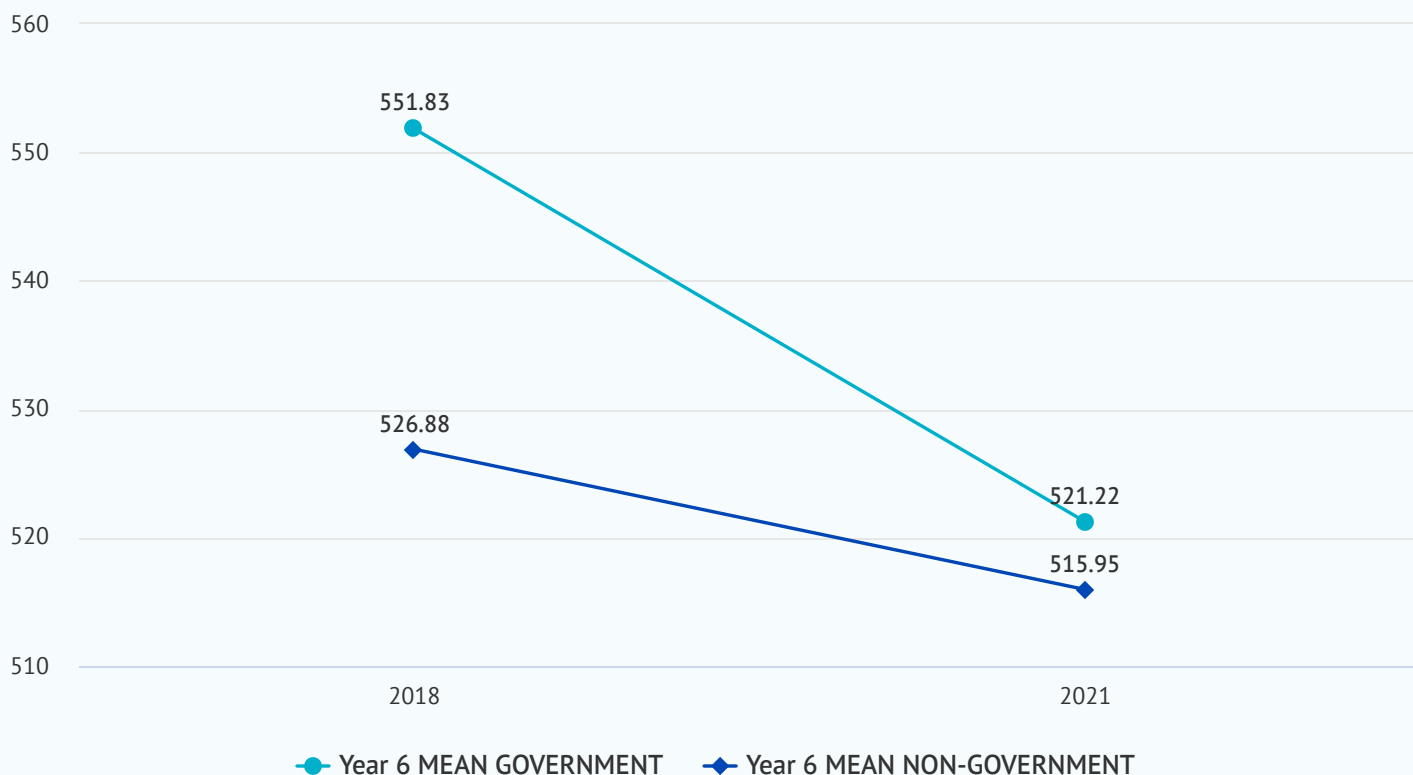
Mean performance of Year 6 students in domain and strands by school authority, Tuvalu, PILNA 2021

Figure CNF6.5 shows the average performance of year six students by school authority. The performance of students in government schools and non-government schools was relatively similar. In most numeracy areas, students in government schools scored slightly higher than students in non-government schools, but these differences were only small. The one larger difference was in the 'Measurement & Geometry' strand, where students in government schools scored higher than students in non-government schools by over 10 points. Further statistical testing needs to be done to understand if these differences in scores are significant or the result of chance or outliers.

Similar performance trends are seen in PILNA 2018, although their differences were larger than those in PILNA 2021 (Figure CNF6.5.1). In 2018, students in government schools scored higher in all numeracy areas than students in non-government schools.

Figure CNF6.5.1

## Year 6 Numeracy performance by school authority over time

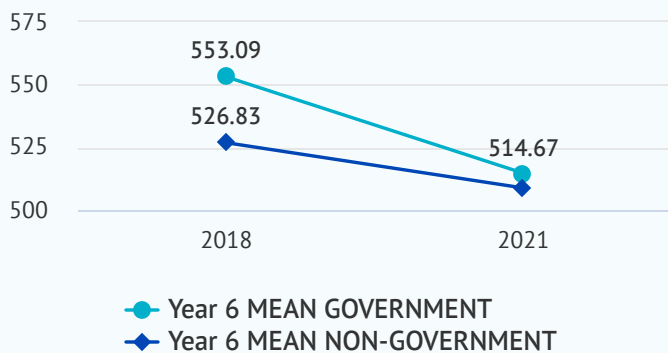


Year	Year 6 MEAN GOVERNMENT	Year 6 MEAN NON-GOVERNMENT
2018	551.83	526.88
2021	521.22	515.95

Mean performance of Year 6 students in numeracy by school authority, Tuvalu, PILNA 2018 and 2021

Figure CNF6.5.2

Year 6 Number performance by school authority over time

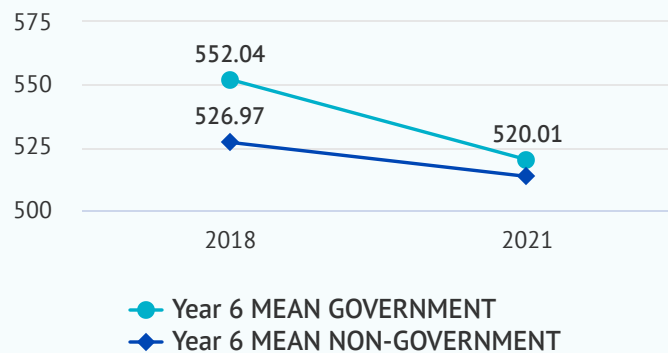


Year	Year 6 MEAN GOVERNMENT	Year 6 MEAN NON-GOVERNMENT
2018	553.09	526.83
2021	514.67	508.78

Mean performance of Year 6 students in number by school authority, Tuvalu, PILNA 2018 and 2021

Figure CNF6.5.3

Year 6 Operations performance by school authority over time

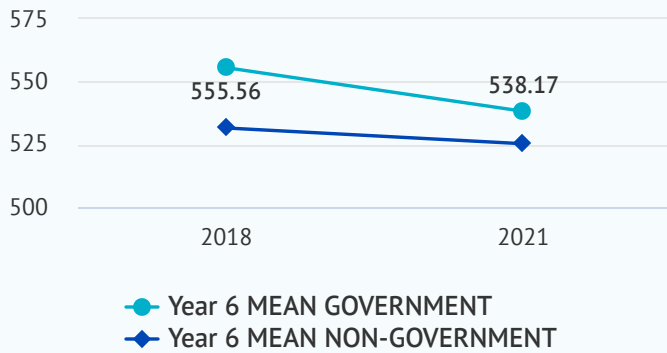


Year	Year 6 MEAN GOVERNMENT	Year 6 MEAN NON-GOVERNMENT
2018	552.04	526.97
2021	520.01	513.36

Mean performance of Year 6 students in operations by school authority, Tuvalu, PILNA 2018 and 2021

Figure CNF6.5.4

Year 6 Measurement and Geometry performance over time

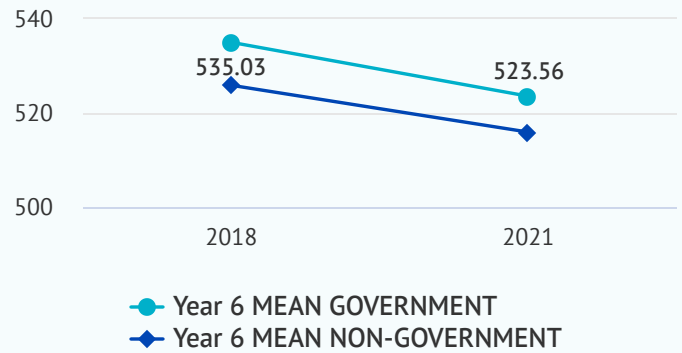


Year	Year 6 MEAN GOVERNMENT	Year 6 MEAN NON-GOVERNMENT
2018	555.56	531.52
2021	538.17	525.23

Mean performance of Year 6 students in measurement & geometry by school authority, Tuvalu, PILNA 2018 and 2021

Figure CNF6.5.5

Year 6 Data & Chance performance by school authority over time



Year	Year 6 MEAN GOVERNMENT	Year 6 MEAN NON-GOVERNMENT
2018	535.03	525.89
2021	523.56	515.93

Mean performance of Year 6 students in data & chance by school authority, Tuvalu, PILNA 2018 and 2021