

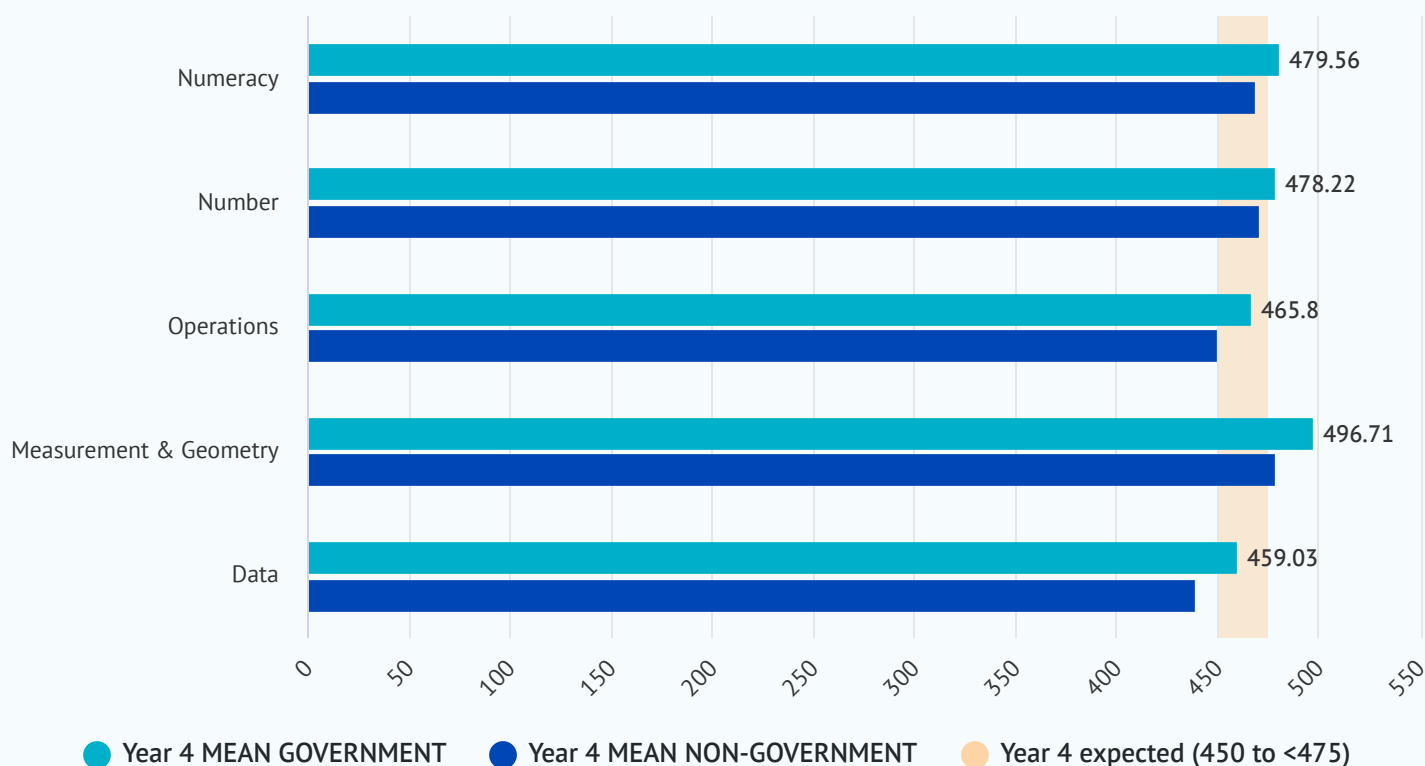
[2021 Tuvalu Report](#) / [Performance](#) / [Numeracy](#) / [Year 4 numeracy](#) / [Performance by school authority](#)

Year 4 numeracy performance by school authority

Most year four 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% non-government schools.

Figure CNF4.5

Year 4 Numeracy performance by school authority



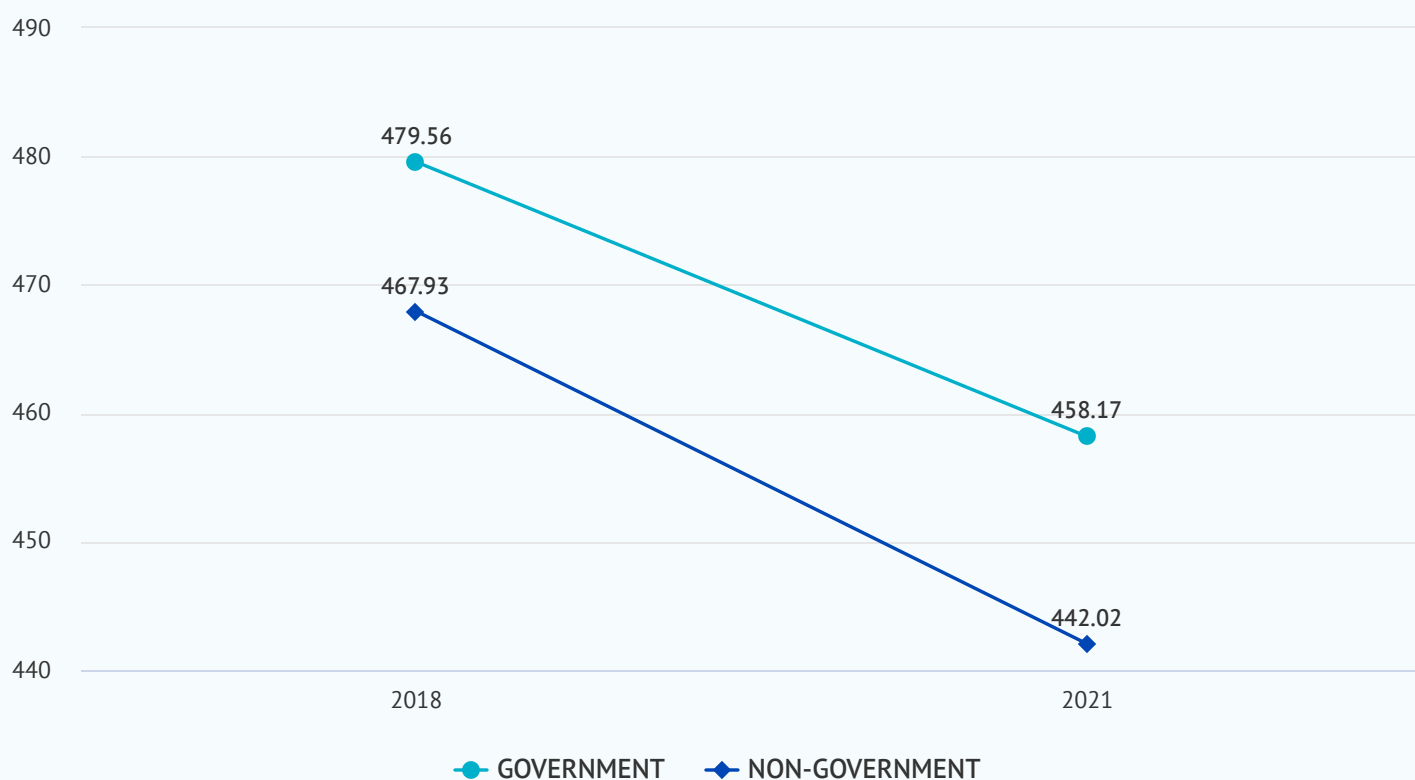
| Category | Year 4 MEAN GOVERNMENT | Year 4 MEAN NON-GOVERNMENT |
|------------------------|------------------------|----------------------------|
| Numeracy | 479.56 | 467.93 |
| Number | 478.22 | 470.14 |
| Operations | 465.8 | 449.13 |
| Measurement & Geometry | 496.71 | 477.98 |
| Data | 459.03 | 438.3 |

Mean performance of Year 4 students in domain and strands by school authority, Tuvalu, PILNA 2021

Figure CNF4.5 shows the average performance of year four students by school authority. Students in government schools scored higher than students in non-government schools in the overall numeracy domain and all numeracy strands. This is similar to PILNA 2018 (Figure CNF4.5.1). Further statistical testing needs to be performed to understand if the differences in scores are significant or the result of chance or outliers.

Figure CNF4.5.1

Year 4 Numeracy performance by school authority over time

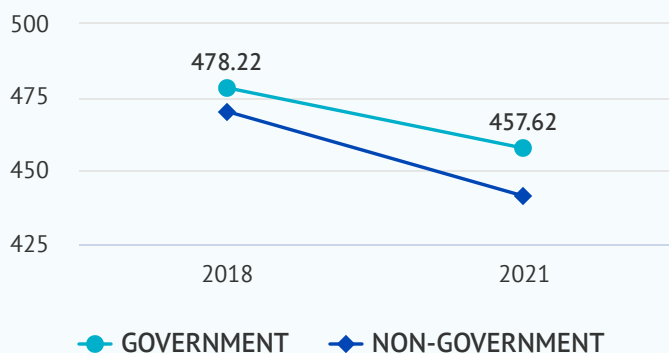


| Year | GOVERNMENT | NON-GOVERNMENT |
|------|------------|----------------|
| 2018 | 479.56 | 467.93 |
| 2021 | 458.17 | 442.02 |

Mean performance of Year 4 students in numeracy by school authority, Tuvalu, PILNA 2018 and 2021

Figure CNF4.5.2

Year 4 Number performance by school authority over time

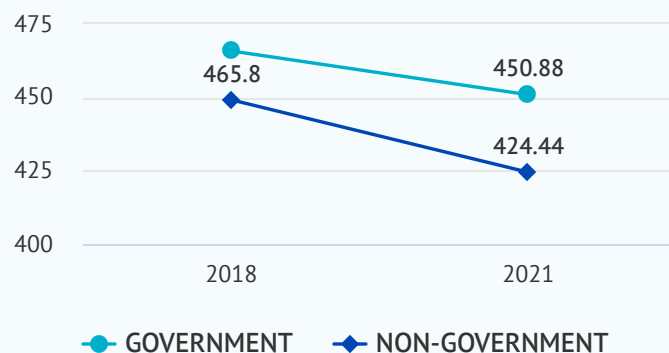


| Year | GOVERNMENT | NON-GOVERNMENT |
|------|------------|----------------|
| 2018 | 478.22 | 470.14 |
| 2021 | 457.62 | 441.27 |

Mean performance of Year 4 students in numbers by school authority, Tuvalu, PILNA 2018 and 2021

Figure CNF4.5.3

Year 4 Operations performance by school authority over time

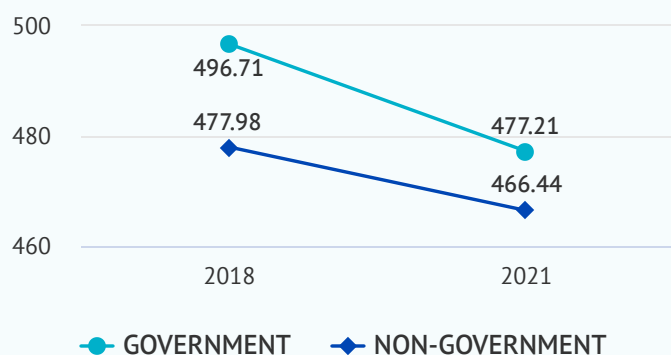


| Year | GOVERNMENT | NON-GOVERNMENT |
|------|------------|----------------|
| 2018 | 465.8 | 449.13 |
| 2021 | 450.88 | 424.44 |

Mean performance of Year 4 students in operations by school authority, Tuvalu, PILNA 2018 and 2021

Figure CNF4.5.4

Year 4 Measurement & Geometry performance by school authority over time

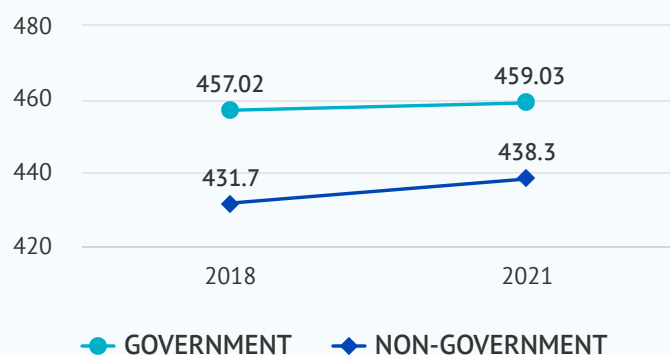


| Year | GOVERNMENT | NON-GOVERNMENT |
|------|------------|----------------|
| 2018 | 496.71 | 477.98 |
| 2021 | 477.21 | 466.44 |

Mean performance of Year 4 students in measurement & geometry by school authority, Tuvalu, PILNA 2018 and 2021

Figure CNF4.5.5

Year 4 Data performance by school authority over time



| Year | GOVERNMENT | NON-GOVERNMENT |
|------|------------|----------------|
| 2018 | 457.02 | 431.7 |
| 2021 | 459.03 | 438.3 |

Mean performance of Year 4 students in data by school authority, Tuvalu, PILNA 2018 and 2021