

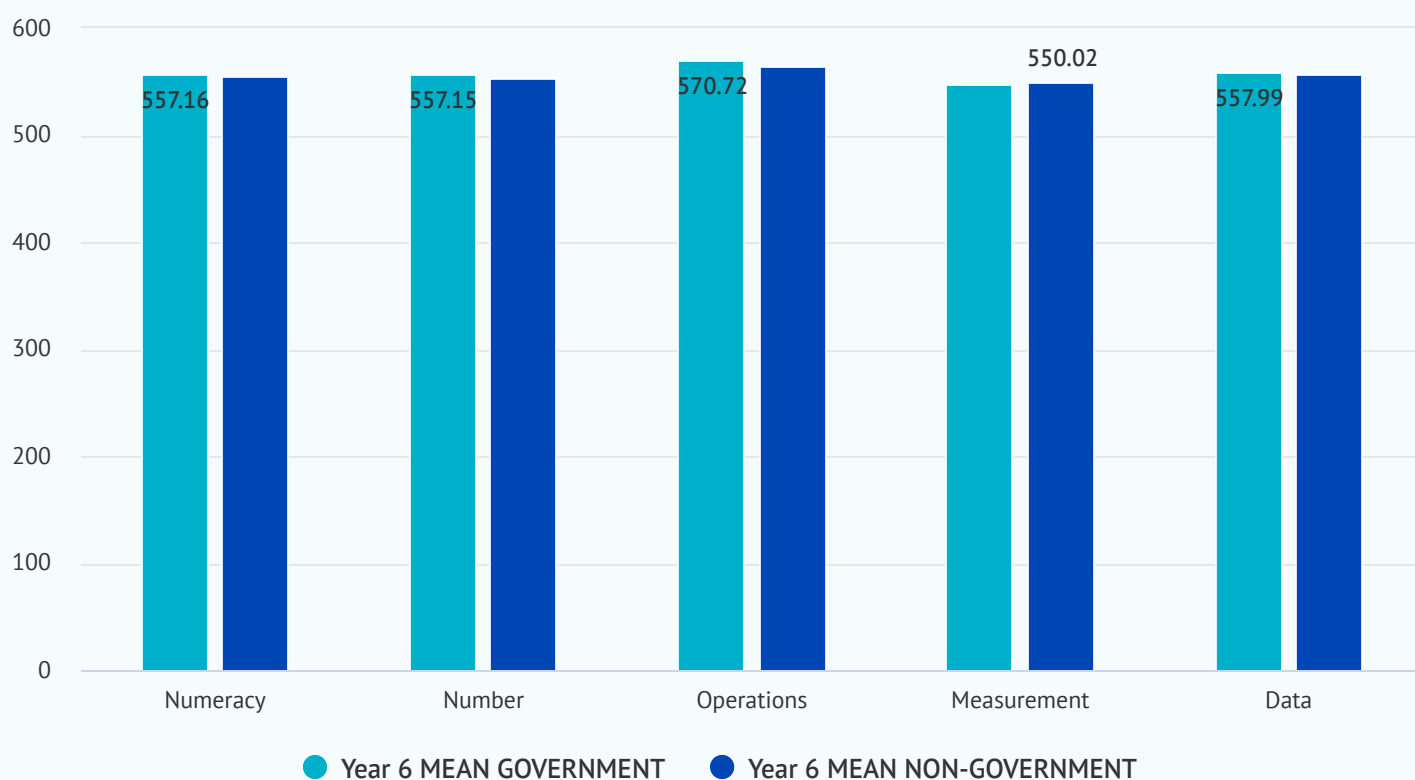
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Year six numeracy performance by school authority

Most year six students who participated in the PILNA 2021 numeracy assessment were enrolled in government schools: 82% in government schools and 18% in non-government schools.

Figure CNF6.5

Year 6 numeracy performance by school authority



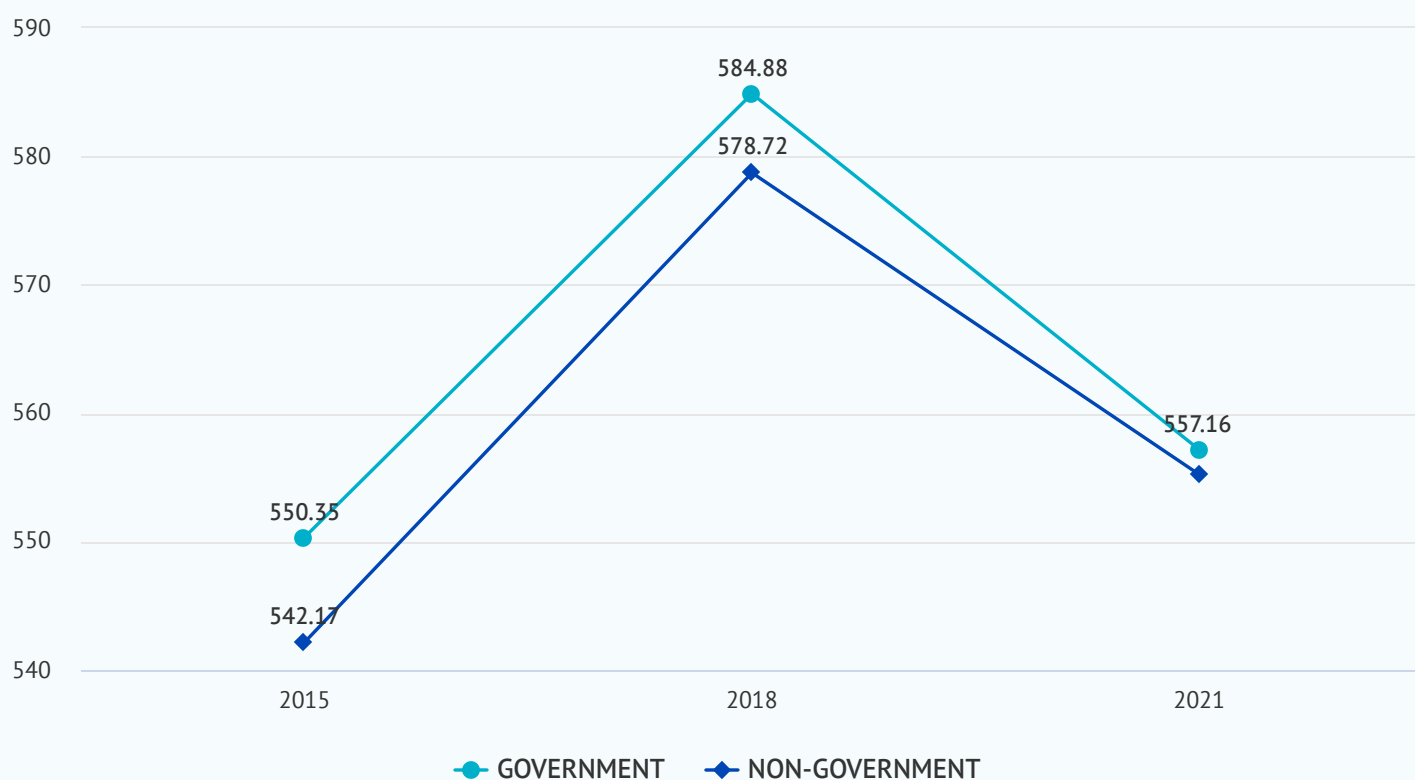
Year	Year 6 MEAN GOVERNMENT	Year 6 MEAN NON-GOVERNMENT
Numeracy	557.16	555.22
Number	557.15	553.48
Operations	570.72	565.4
Measurement	548.4	550.02
Data	557.99	557.52

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

Figure CNF6.5 shows the average performance of year six students by school authority. Students in government schools scored about the same as students in non-government schools in overall numeracy and all numeracy strands. Overall, this is consistent with the trend in previous PILNA cycles. In both 2015 and 2018, students enrolled in government schools scored about the same in all numeracy areas compared with those in non-government schools, see Figures CNF6.5.1-CNF6.5.5. Further statistical testing needs to be performed to understand if differences in scores are significant or the result of chance or outliers.

Figure CNF6.5.1

Year 6 Numeracy mean performance by school authority over time

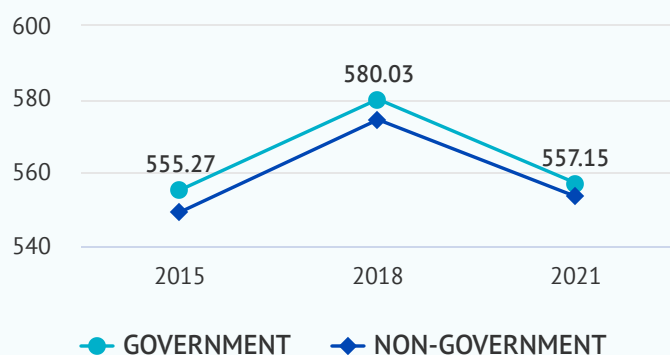


Year	GOVERNMENT	NON-GOVERNMENT
2015	550.35	542.17
2018	584.88	578.72
2021	557.16	555.22

Mean performance of Year 6 students in domain and strands by school authority, Tonga, PILNA, 2015, 2018 and 2021

Figure CNF6.5.2

Year 6 Number mean performance by school authority over time

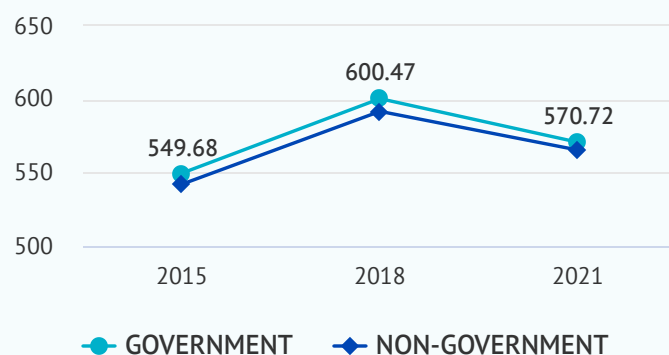


Year	GOVERNMENT	NON-GOVERNMENT
2015	555.27	549.25
2018	580.03	574.46
2021	557.15	553.48

Mean performance of Year 6 students in number strand, by school authority, over time 2015, 2018, 2021

Figure CNF6.5.3

Year 6 Operations mean performance by school authority over time

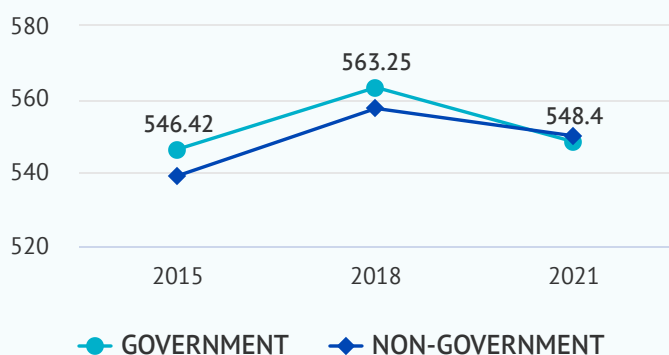


Year	GOVERNMENT	NON-GOVERNMENT
2015	549.68	542.15
2018	600.47	591.8
2021	570.72	565.4

Mean performance of Year 6 students in operations strand, by school authority, over time 2015, 2018, 2021

Figure CNF6.5.4

Year 6 Measurement & Geometry mean performance by school authority over time

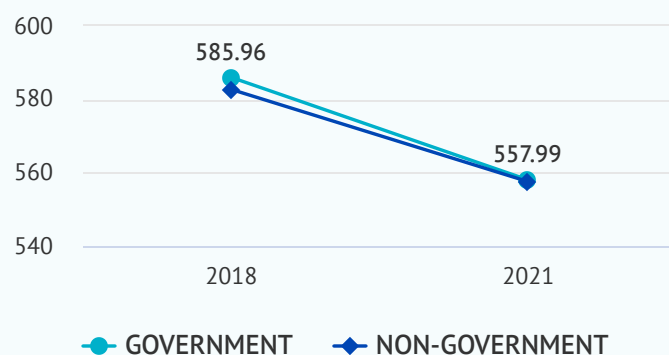


Year	GOVERNMENT	NON-GOVERNMENT
2015	546.42	539.19
2018	563.25	557.52
2021	548.4	550.02

Mean performance of Year 6 students in measurement and geometry strand, by school authority, over time 2015, 2018, 2021

Figure CNF6.5.5

Year 6 Data & Chance mean performance by school authority over time



Year	GOVERNMENT	NON-GOVERNMENT
2018	585.96	582.68
2021	557.99	557.52

Mean performance of Year 6 students in data and chance strand, by school authority, over time 2018, 2021