

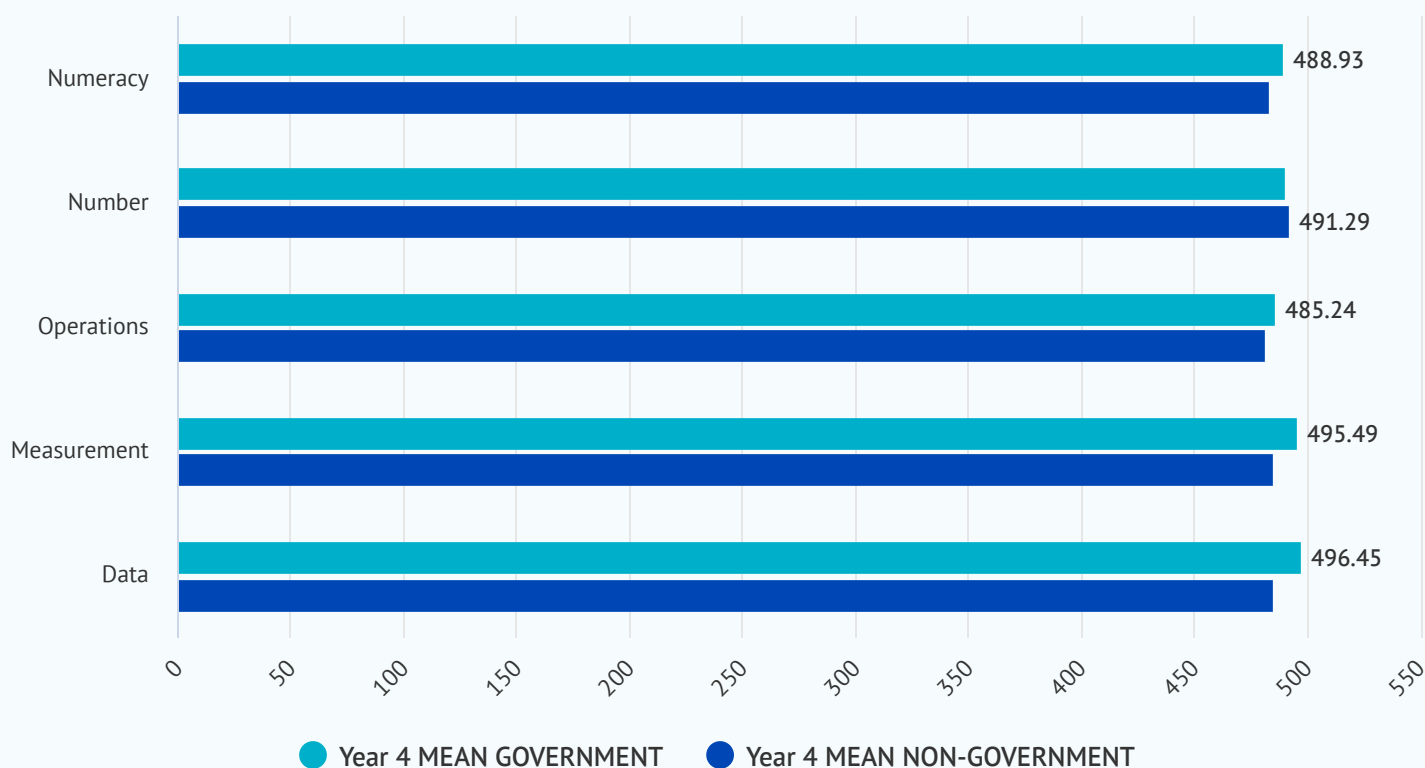
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Year four performance by school authority

Most year four students who participated in the PILNA 2021 numeracy assessment were enrolled in government schools: 81% in government schools and 19% in non-government schools.

Figure CNF4.5

Year 4 numeracy performance by school authority



Category	Year 4 MEAN GOVERNMENT	Year 4 MEAN NON-GOVERNMENT
Numeracy	488.93	482.97
Number	489.74	491.29
Operations	485.24	481.05
Measurement	495.49	484.51
Data	496.45	484.22

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

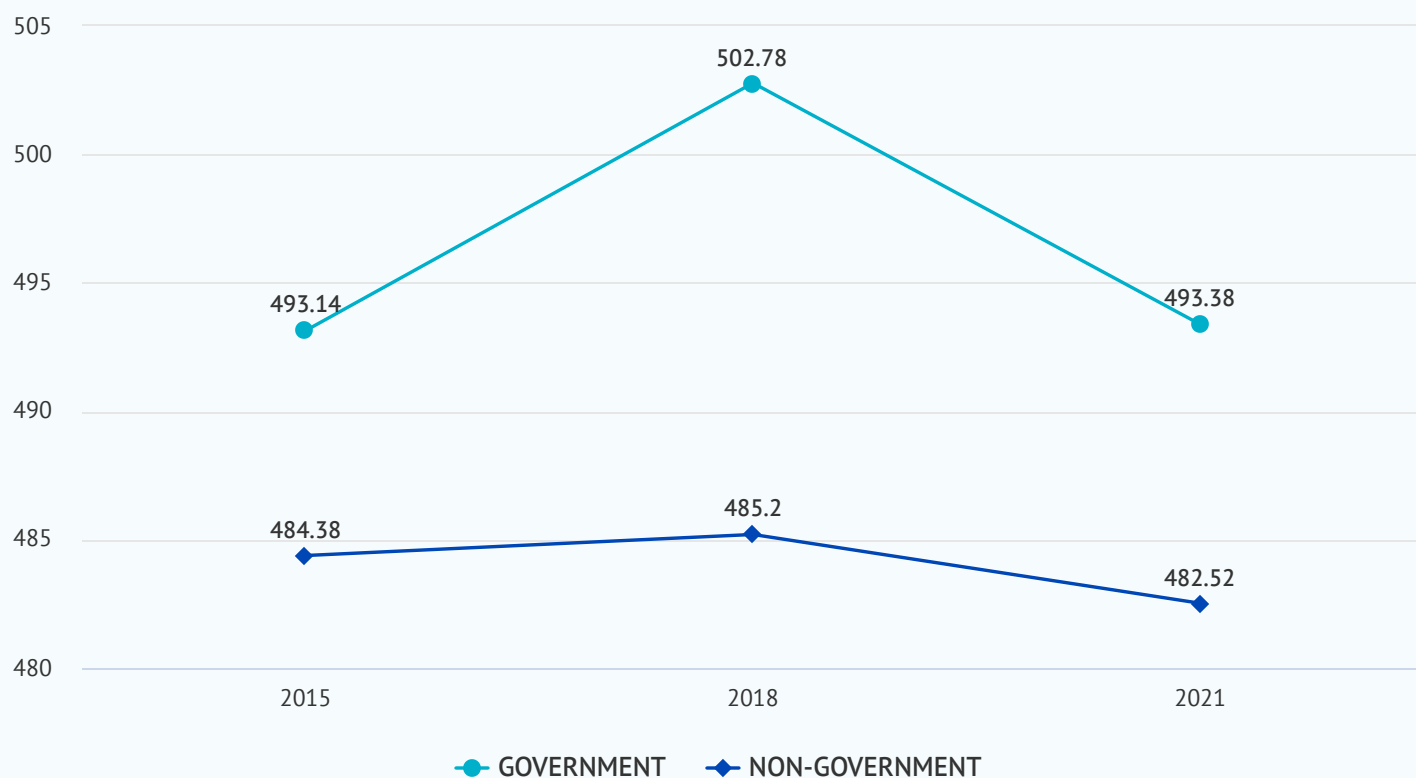
Figure CNF4.5 shows the average performance of year four students by school authority.

Students in government schools scored about the same as students in non-government schools in overall numeracy and most numeracy strands. There was a small difference in the 'Data' strand; students from government schools scored slightly higher in this strand. Overall, this is consistent with the trend in previous PILNA cycles. In both 2015 and 2018, students enrolled in non-government schools scored about the same in all numeracy areas compared with those in government

schools. Further statistical testing needs to be performed to understand if these differences in scores are significant or the result of chance or outliers.

Figure CNF4.5.1

Year 4 Numeracy mean performance by school authority over time

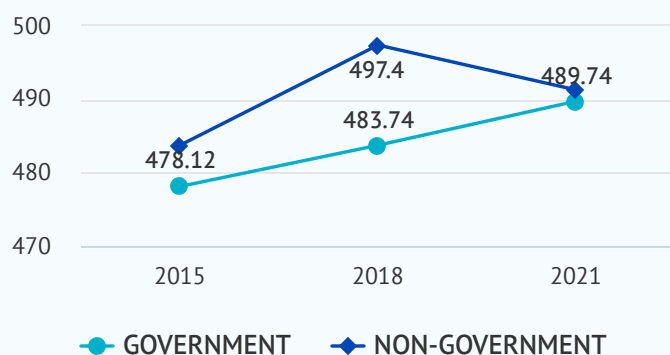


Year	GOVERNMENT	NON-GOVERNMENT
2015	493.14	484.38
2018	502.78	485.2
2021	493.38	482.52

Mean performance of Year 4 students in numeracy by school authority, Tonga, PILNA, 2015, 2018 and 2021

Figure CNF4.5.2

Year 4 Number mean performance by school authority

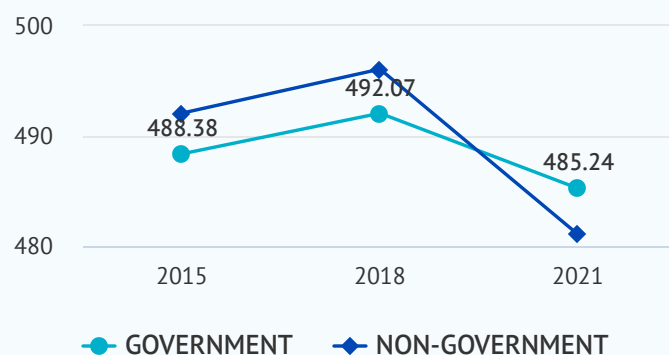


Year	GOVERNMENT	NON-GOVERNMENT
2015	478.12	483.74
2018	483.74	497.4
2021	489.74	491.29

Mean performance of Year 4 students in Number strand, by school authority, over time 2015, 2018, 2021

Figure CNF4.5.3

Year 4 Operations mean performance by school authority

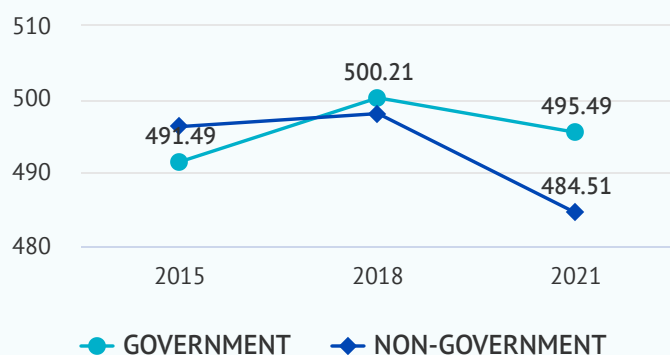


Year	GOVERNMENT	NON-GOVERNMENT
2015	488.38	492.08
2018	492.07	496.08
2021	485.24	481.05

Mean performance of Year 4 students in operations strand, by school authority, over time 2015, 2018, 2021

Figure CNF4.5.4

Year 4 Measurement & Geometry mean performance by school authority

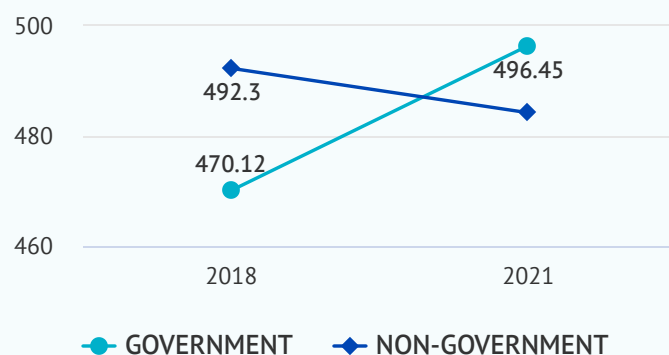


Year	GOVERNMENT	NON-GOVERNMENT
2015	491.49	496.28
2018	500.21	498.06
2021	495.49	484.51

Mean performance of Year 4 students in Measurement & Geometry strand, by school authority, over time 2015, 2018, 2021

Figure CNF4.5.5

Year 4 Data mean performance by school authority over time



Year	GOVERNMENT	NON-GOVERNMENT
2018	470.12	492.3
2021	496.45	484.22

Mean performance of Year 4 students in data strand, by school authority, over time 2018, 2021