

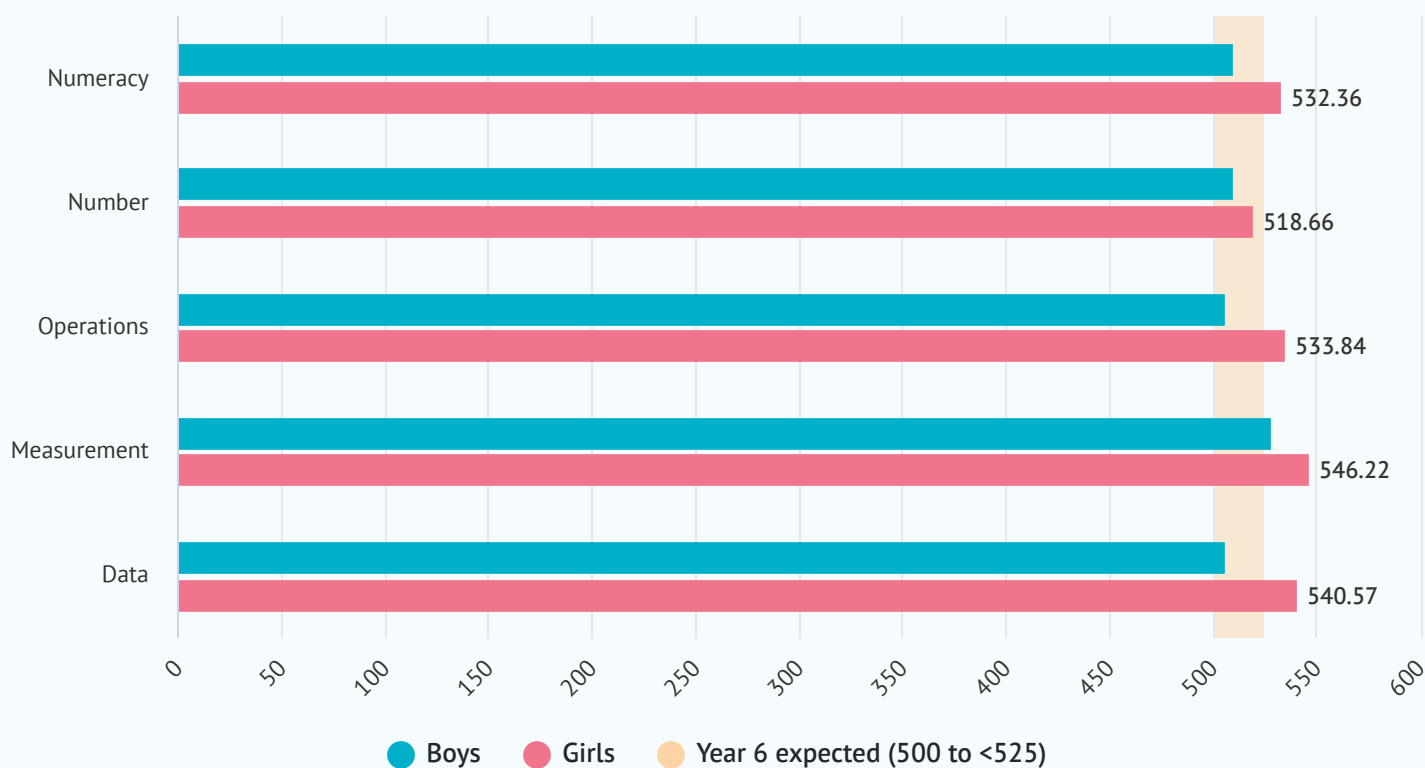
2021 Tuvalu Report / Performance / Numeracy / Year 6 numeracy / Performance by gender

Year 6 numeracy performance by gender

A roughly equal number of year six girls and boys in Tuvalu had their performance analysed in the PILNA 2021 numeracy assessment: 48% girls and 52% boys.

Figure CNF6.4

Year 6 Numeracy performance in domain and strand by gender



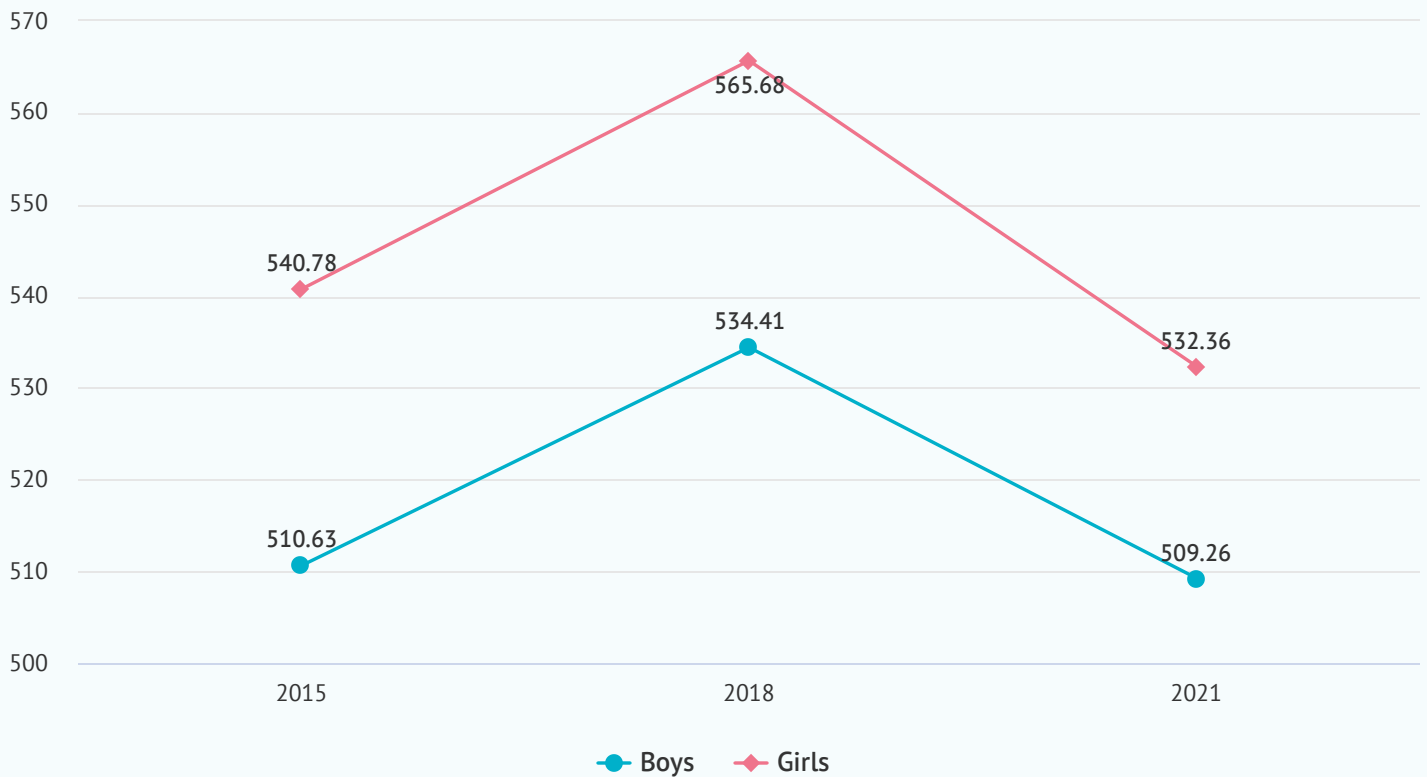
Category	Boys	Girls
Numeracy	509.26	532.36
Number	509.35	518.66
Operations	505.38	533.84
Measurement	527.14	546.22
Data	505.72	540.57

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

Figure CNF6.4 shows the average numeracy performance of year six students in Tuvalu by gender. Year six girls scored higher than year six boys in all numeracy areas, including the overall numeracy score. This was similar to the previous two PILNA cycles. In 2015 and 2018, year six girls, on average, scored higher than year six boys in all numeracy areas, including the overall numeracy score (see Figure CNF6.4.1). Further statistical testing needs to be done to understand if these differences in scores are significant or the result of chance or outliers.

Figure CNF6.4.1

Year 6 Numeracy performance by gender over time

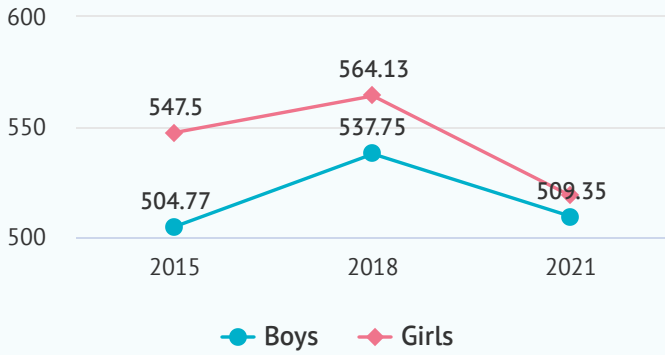


Year	Boys	Girls
2015	510.63	540.78
2018	534.41	565.68
2021	509.26	532.36

Mean performance of Year 6 students in numeracy by gender, Tuvalu, PILNA 2015, 2018 and 2021

Figure CNF6.4.2

Year 6 Number performance by gender over time

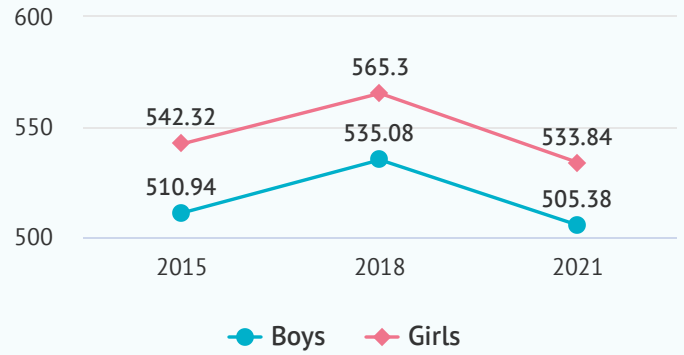


Year	Boys	Girls
2015	504.77	547.5
2018	537.75	564.13
2021	509.35	518.66

Mean performance of Year 6 students in number by gender, Tuvalu, PILNA 2015, 2018 and 2021

Figure CNF6.4.3

Year 6 Operations performance by gender over time

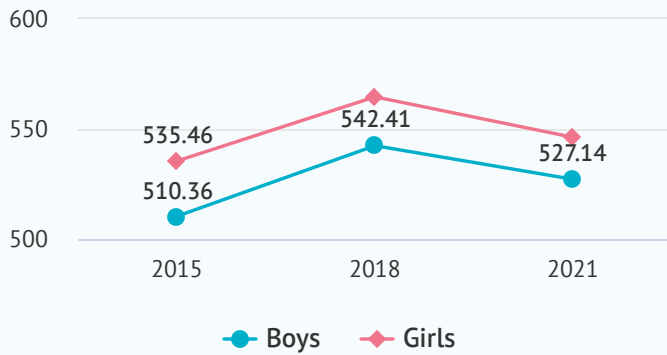


Year	Boys	Girls
2015	510.94	542.32
2018	535.08	565.3
2021	505.38	533.84

Mean performance of Year 6 students in operations by gender, Tuvalu, PILNA 2015, 2018 and 2021

Figure CNF6.4.4

Year 6 Measurement & Geometry performance by gender over time

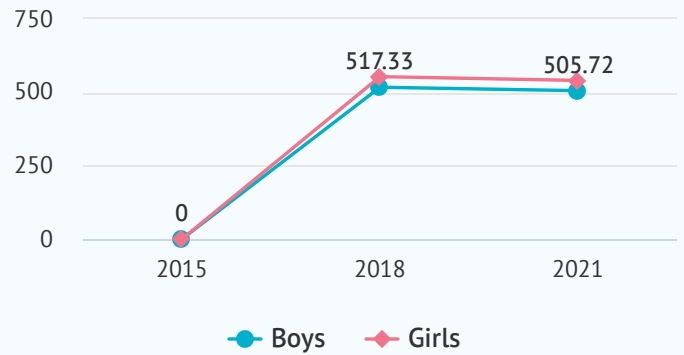


Year	Boys	Girls
2015	510.36	535.46
2018	542.41	564.61
2021	527.14	546.22

Mean performance of Year 6 students in measurement & geometry by gender, Tuvalu, PILNA 2015, 2018 and 2021

Figure CNF6.4.5

Year 6 Data and Chance performance by gender over time



Year	Boys	Girls
2015	0	0
2018	517.33	553.44
2021	505.72	540.57

Mean performance of Year 6 students in data by gender, Tuvalu, PILNA 2015, 2018 and 2021