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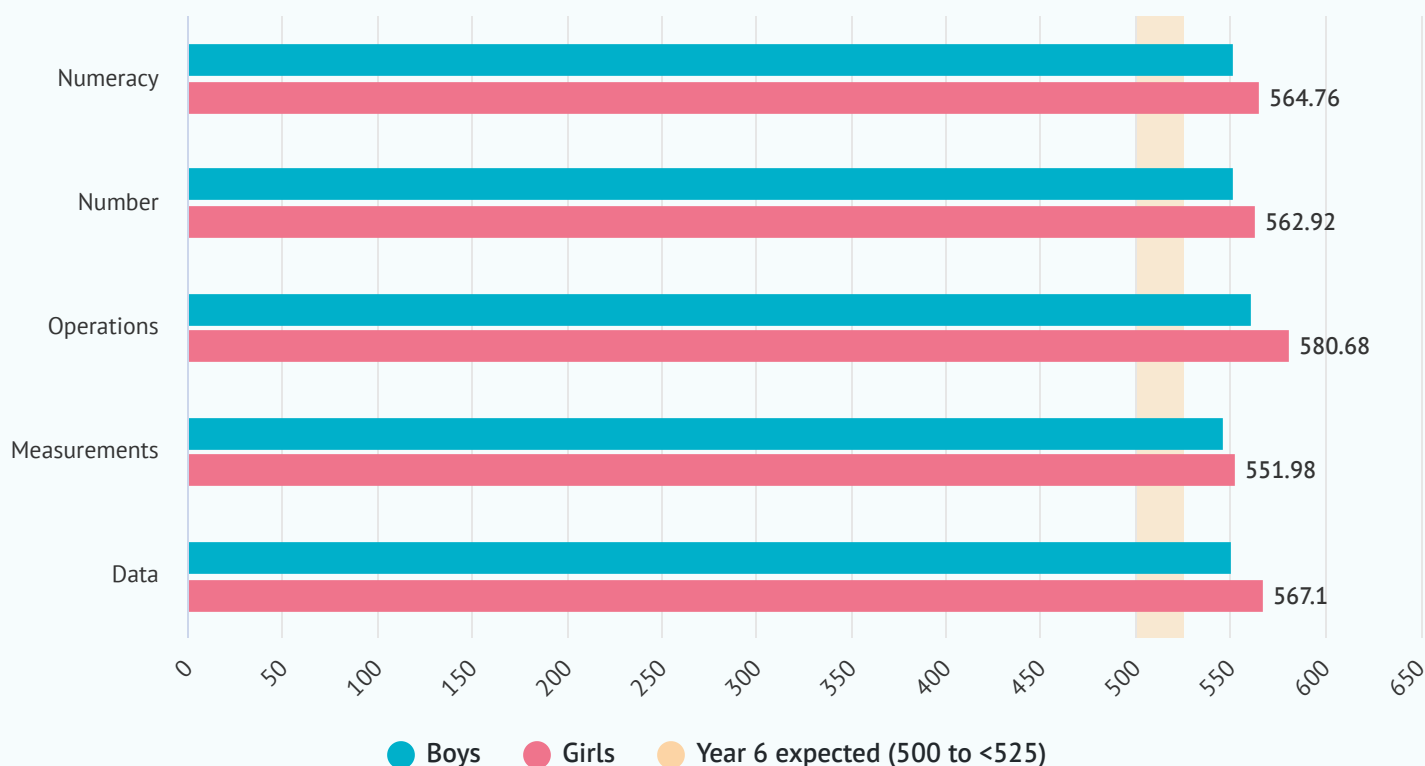
## Year 6 performance by gender

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A roughly equal number of year six girls and boys in Tonga had their performance analysed in the PILNA 2021 numeracy assessment: 47% girls and 53% boys.

Figure CNF6.4

## Year 6 numeracy mean performance in domain and strands by gender



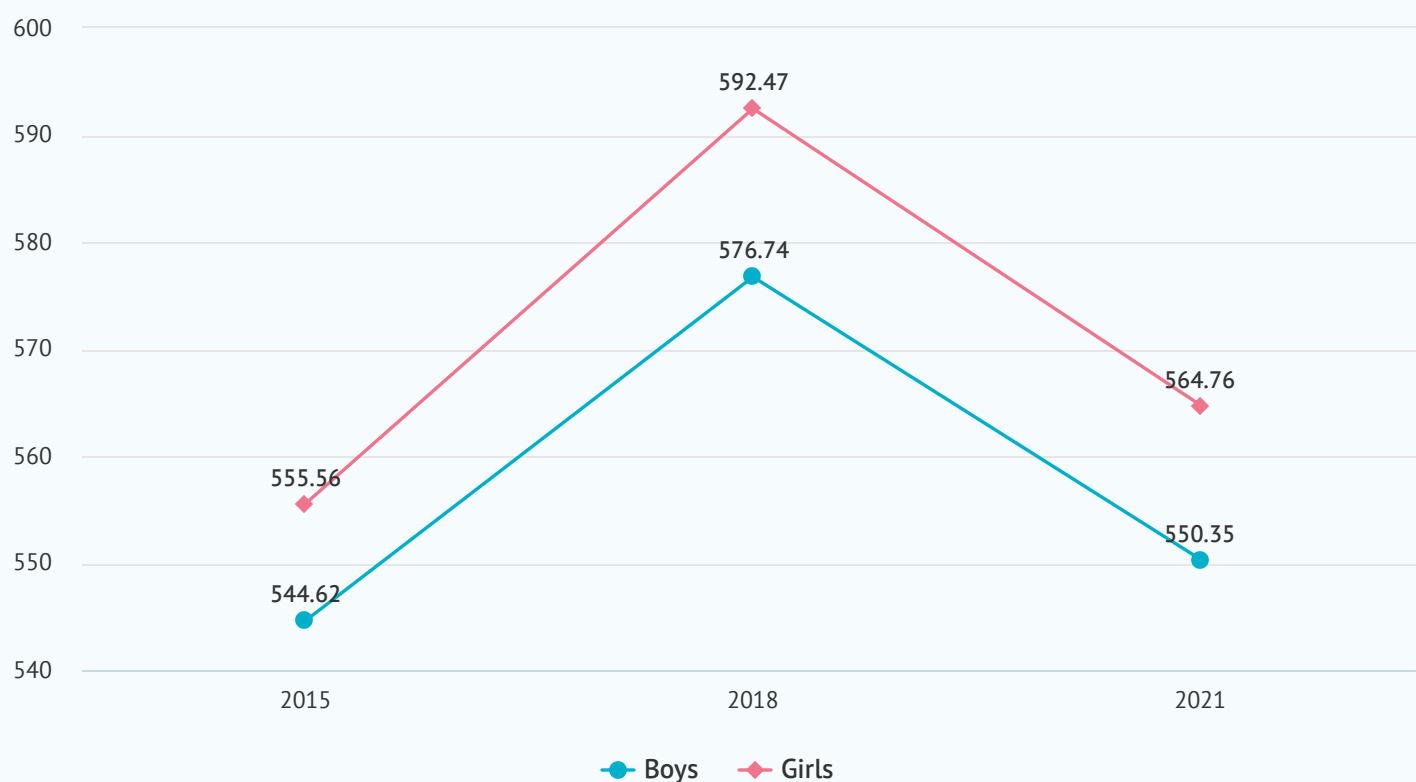
Category	Boys	Girls
Numeracy	550.35	564.76
Number	550.8	562.92
Operations	560.06	580.68
Measurements	545.83	551.98
Data	549.75	567.1

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

Figure CNF6.4 shows the average numeracy performance of year six students in Tonga by gender. Year six girls scored higher than year six boys in all numeracy areas, including the overall numeracy score, although the difference in the 'Measurement & Geometry' strand was small. This was consistent with the trend across 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 Figures CNF6.4.1-CNF6.4.5). Further statistical testing needs to be performed to understand if the differences in scores are significant or the result of chance or outliers.

Figure CNF6.4.1

### Year 6 Numeracy mean performance by gender over time

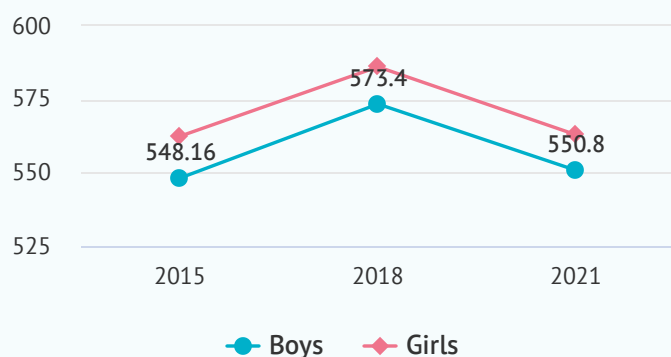


Year	Boys	Girls
2015	544.62	555.56
2018	576.74	592.47
2021	550.35	564.76

Mean performance of Year 6 students in numeracy, by gender, over time 2015, 2018, 2021

Figure CNF6.4.2

### Year 6 Number mean performance by gender over time

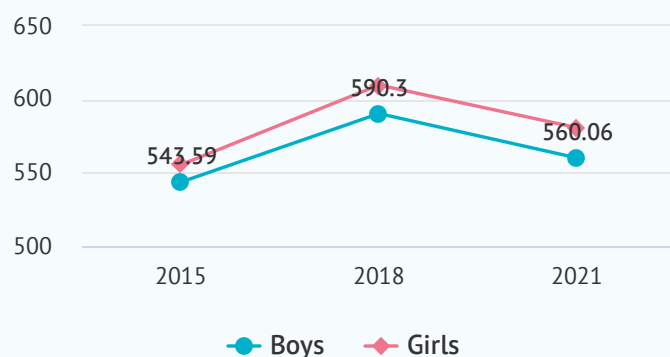


Year	Boys	Girls
2015	548.16	562.42
2018	573.4	586.08
2021	550.8	562.92

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

Figure CNF6.4.3

### Year 6 Operations mean performance by gender over time

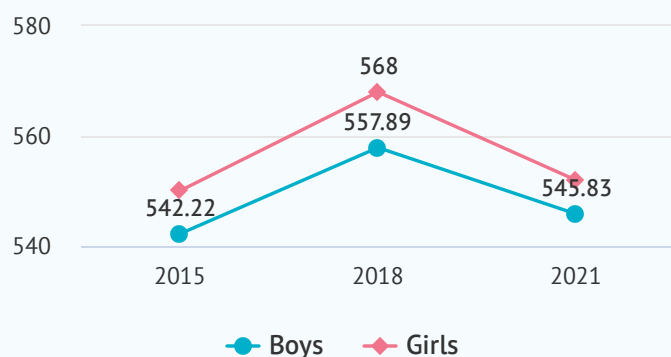


Year	Boys	Girls
2015	543.59	555.41
2018	590.3	609.75
2021	560.06	580.68

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

Figure CNF6.4.4

### Year 6 Measurement & Geometry mean performance by gender over time

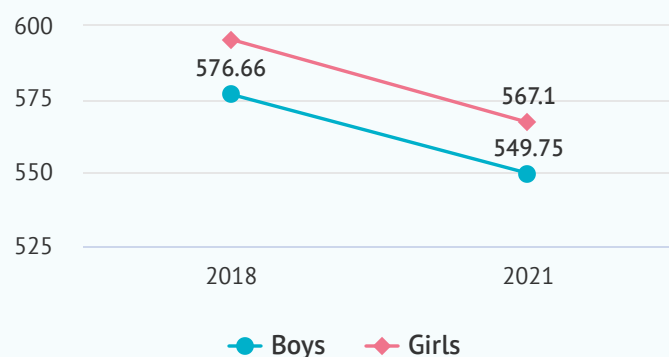


Year	Boys	Girls
2015	542.22	550.04
2018	557.89	568
2021	545.83	551.98

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

Figure CNF6.4.5

### Year 6 Data & Chance mean performance by gender over time



Year	Boys	Girls
2018	576.66	595.39
2021	549.75	567.1

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