

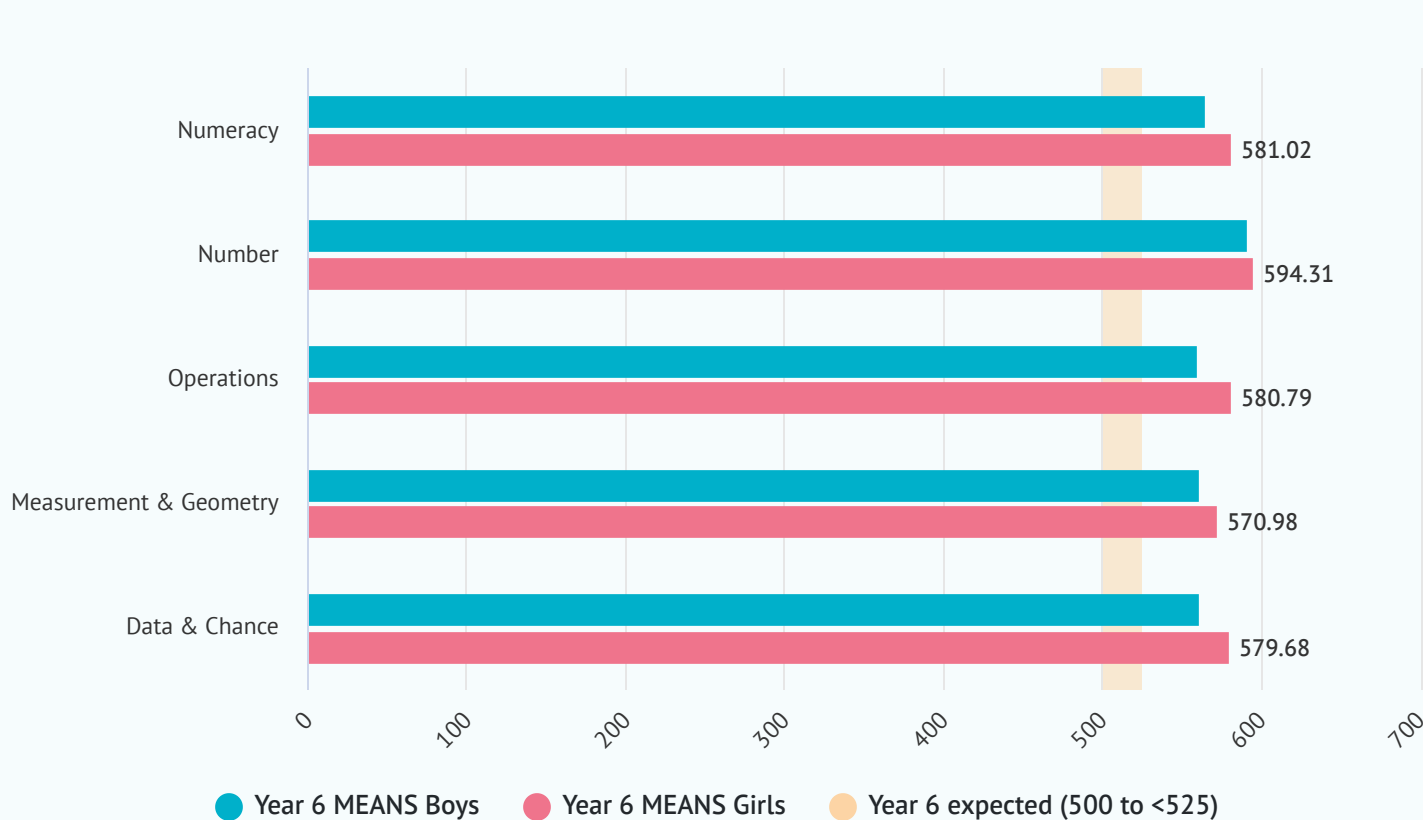
2021 Niue Report / Performance / Numeracy / Year 6 numeracy / Performance by gender

Year 6 Numeracy performance by gender

A slightly unequal number of year six girls and boys in Niue had their performance analysed in the PILNA 2021 numeracy assessment: 58% and 42% boys.

Figure CNF6.4

Year 6 Numeracy mean performance in domain and strands by gender



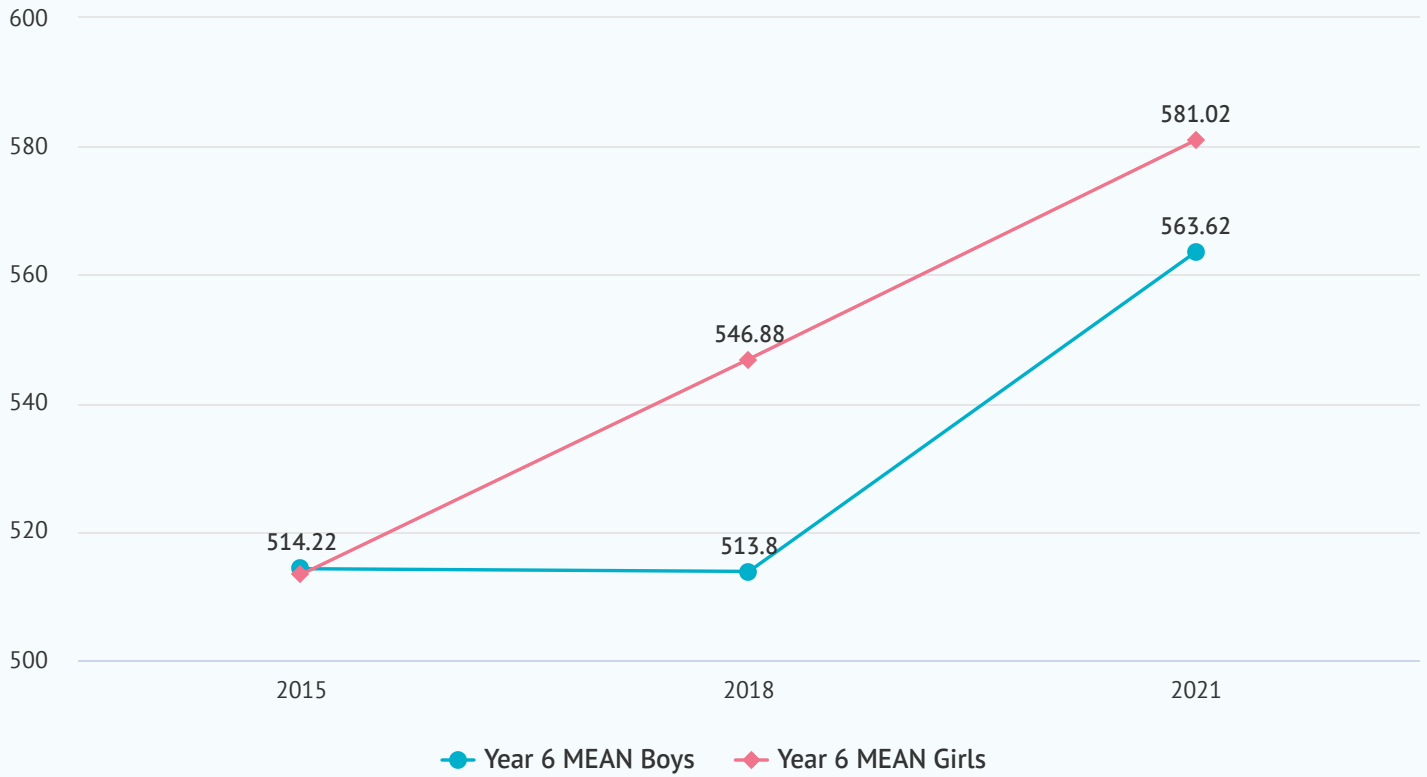
Category	Year 6 MEANS Boys	Year 6 MEANS Girls
Numeracy	563.62	581.02
Number	590.99	594.31
Operations	558.72	580.79
Measurement & Geometry	559.67	570.98
Data & Chance	560.14	579.68

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

Figure CNF6.4 shows the average numeracy performance of year six students in Niue by gender. Year six girls scored higher than year six boys in all numeracy areas, including the overall numeracy score. This was mostly consistent with the trend across the previous two PILNA cycles; in 2015 and 2018, year six girls, on average, scored about the same or higher than year six boys in all numeracy areas, including the overall numeracy score (Figure CNF6.4.1).

Figure CNF6.4.1

Year 6 Numeracy mean performance by gender over time

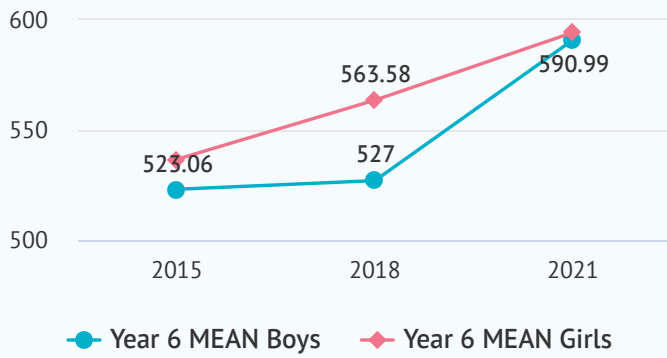


Year	Year 6 MEAN Boys	Year 6 MEAN Girls
2015	514.22	513.37
2018	513.8	546.88
2021	563.62	581.02

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

Figure CNF6.4.2

Year 6 Number mean performance by gender over time

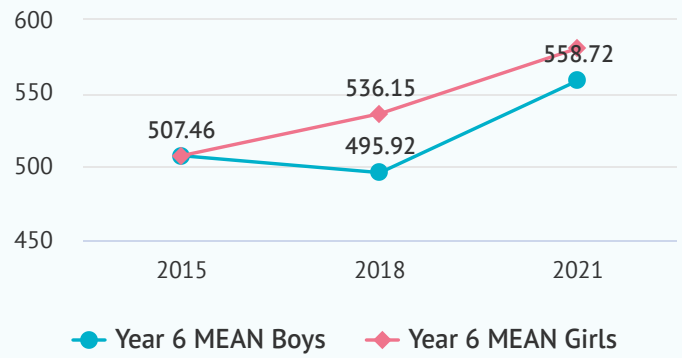


Year	Year 6 MEAN Boys	Year 6 MEAN Girls
2015	523.06	536.7
2018	527	563.58
2021	590.99	594.31

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

Figure CNF6.4.3

Year 6 Operations mean performance by gender over time

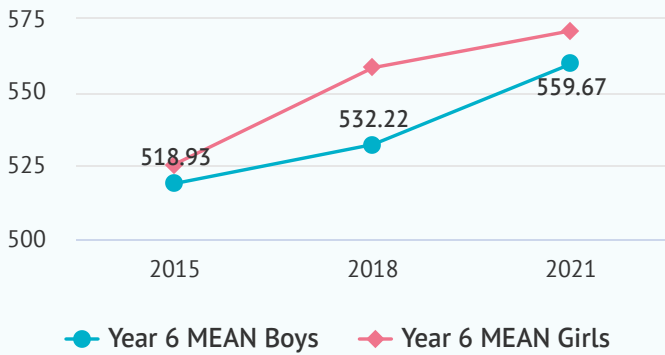


Year	Year 6 MEAN Boys	Year 6 MEAN Girls
2015	507.46	507.55
2018	495.92	536.15
2021	558.72	580.79

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

Figure CNF6.4.4

Year 6 Measurement & Geometry mean performance by gender over time

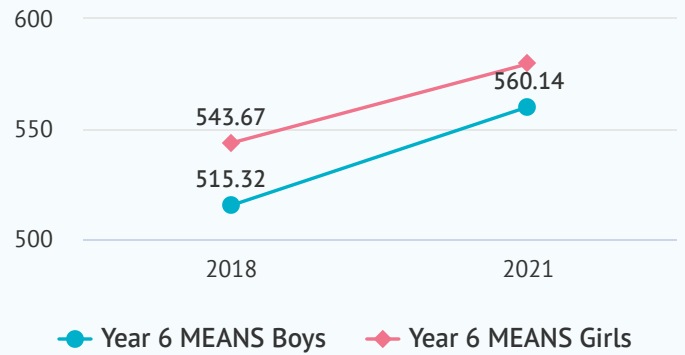


Year	Year 6 MEAN Boys	Year 6 MEAN Girls
2015	518.93	525.55
2018	532.22	558.4
2021	559.67	570.98

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

Figure CNF6.4.5

Year 6 Data & Chance mean performance by gender over time



Year	Year 6 MEANS Boys	Year 6 MEANS Girls
2018	515.32	543.67
2021	560.14	579.68

Mean performance of Year 6 students in data & chance strand, by gender, over time, Niue, PILNA 2015, 2018, 2021

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