

2021 Small Island States Report / Performance / Numeracy / Year 6 numeracy / Performance by gender

Year 6 numeracy performance by gender

Slightly more year six girls than boys in Small Island States had their performance analysed in the PILNA 2021 numeracy assessment: 490 girls and 474 boys.

Figure CNF6.4

Year 6 Numeracy performance by gender



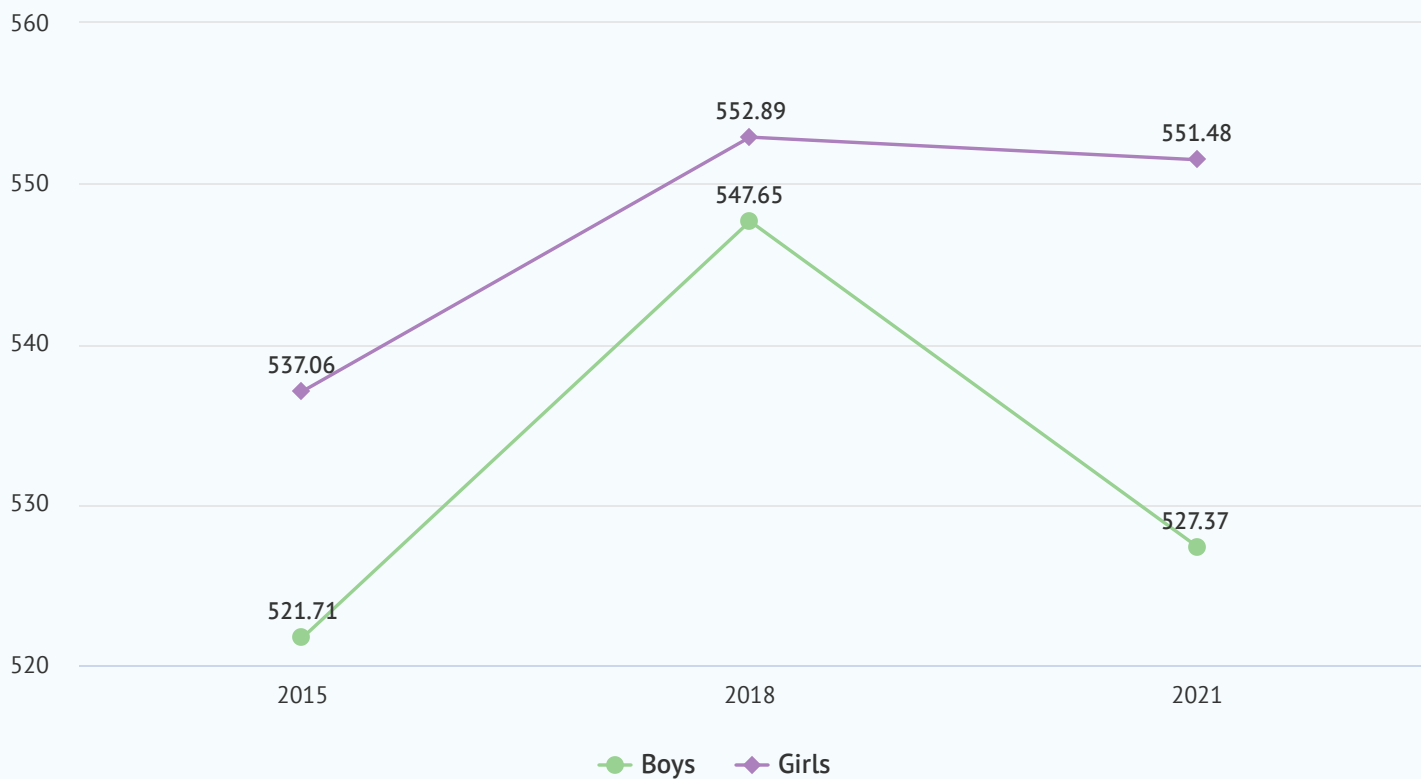
Category	Boys	Girls
Numeracy	527.37	551.48
Number	538.66	552.01
Operations	522.02	550.9
Measurement & Geometry	536.78	554.6
Data	529.19	562.87

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

Figure CNF6.4 shows the average numeracy performance of year six students in Small Island States by gender. Year six girls scored higher than year six boys in all numeracy areas, including the overall numeracy score. This was similar to PILNA 2015, when 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). In 2018, however, year six girls scored about the same as boys in all numeracy areas, except the 'Data & Chance' strand, where girls scored slightly higher on average. Further statistical testing needs to be performed to understand if these 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

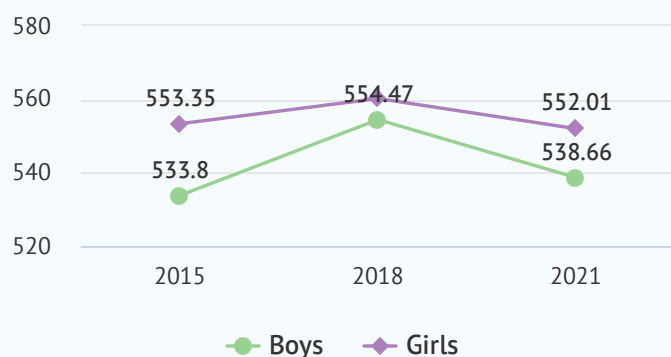


Year	Boys	Girls
2015	521.71	537.06
2018	547.65	552.89
2021	527.37	551.48

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

Figure CNF6.4.2

Year 6 Number mean performance by gender over time

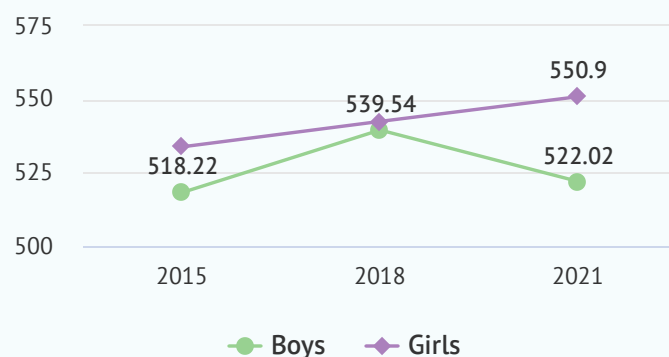


Year	Boys	Girls
2015	533.8	553.35
2018	554.47	560.22
2021	538.66	552.01

Mean performance of Year 6 students in number by gender over time, PNG, PILNA 2015, 2018 and 2021.

Figure CNF6.4.3

Year 6 Operations mean performance by gender over time

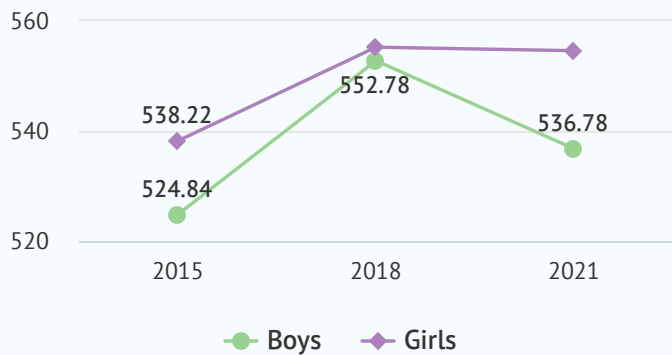


Year	Boys	Girls
2015	518.22	533.8
2018	539.54	542.47
2021	522.02	550.9

Mean performance of Year 6 students in operations by gender over time, SIS, PILNA 2015, 2018 and 2021.

Figure CNF6.4.4

Year 6 Measurement & Geometry mean performance by gender over time

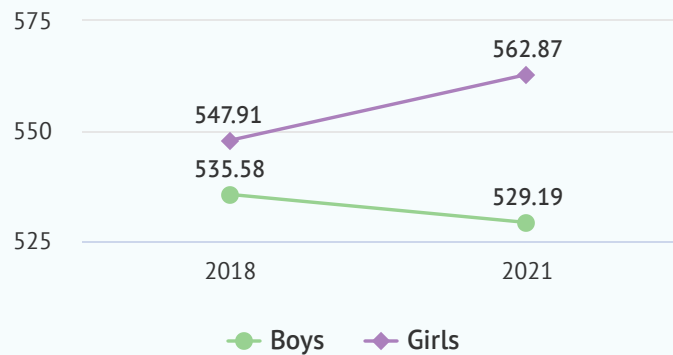


Year	Boys	Girls
2015	524.84	538.22
2018	552.78	555.24
2021	536.78	554.6

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

Figure CNF6.4.5

Year 6 Data mean performance by gender over time



Year	Boys	Girls
2018	535.58	547.91
2021	529.19	562.87

Mean performance of Year 6 students in data by gender over time, SIS, PILNA 2018 and 2021.