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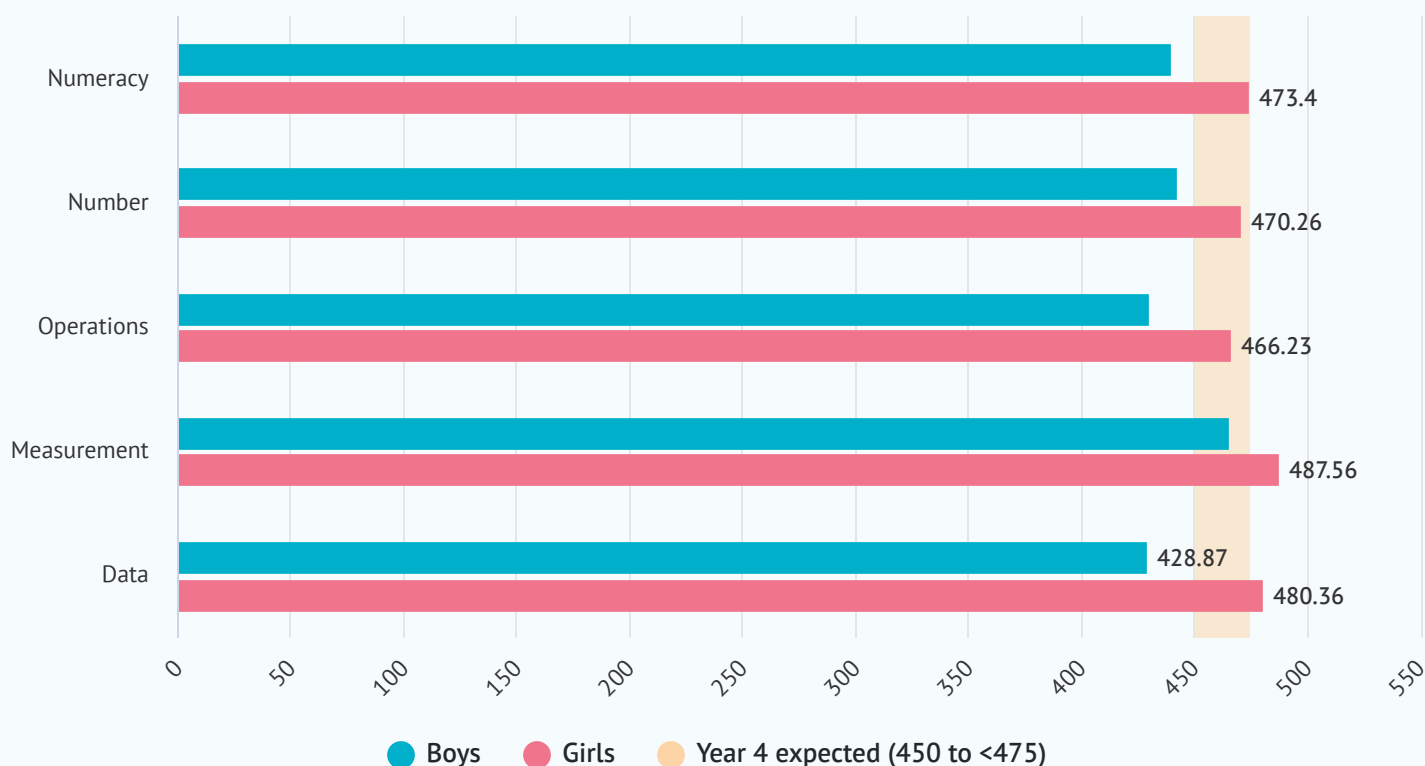
# Year 4 numeracy performance by gender

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

Figure CNF4.4

## Year 4 Numeracy performance in domain and strands by gender



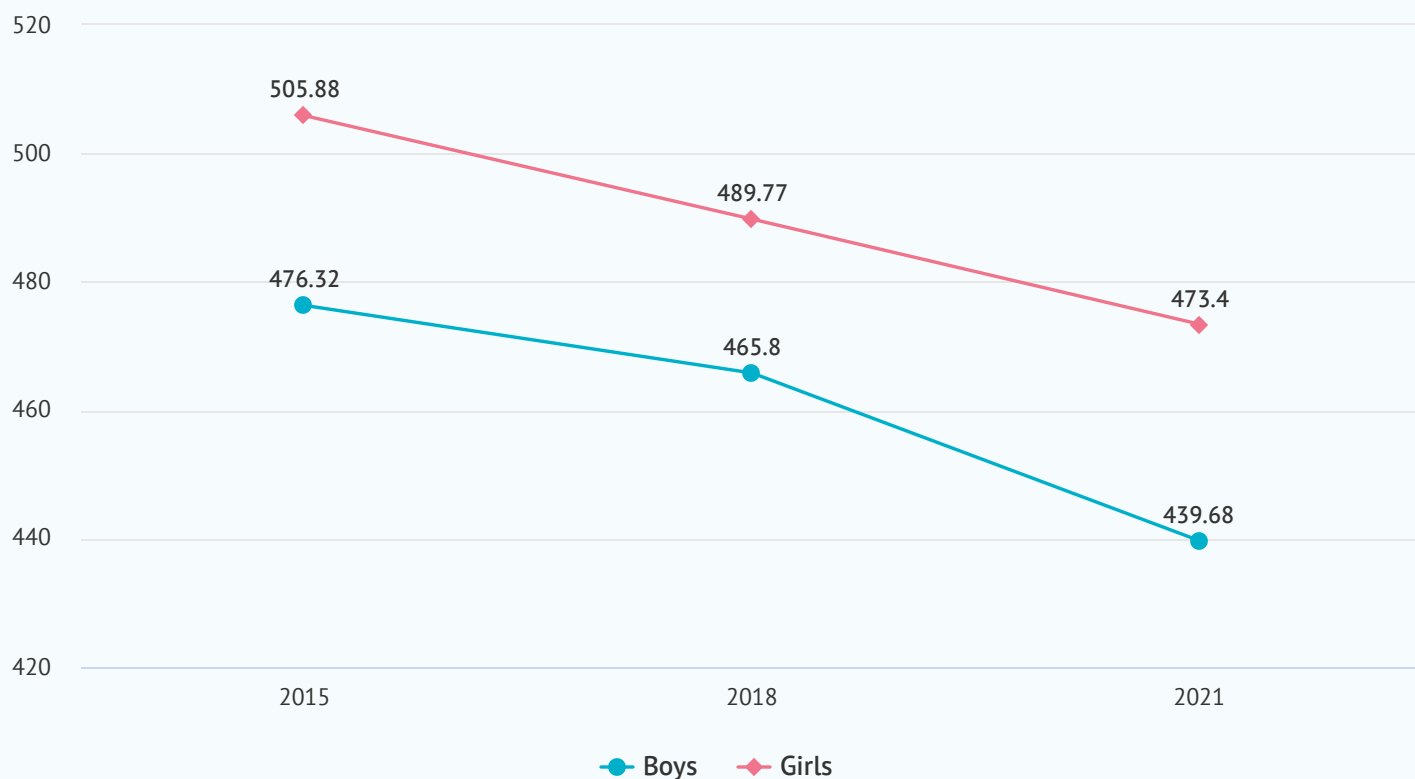
Category	Boys	Girls
Numeracy	439.68	473.4
Number	441.66	470.26
Operations	429.71	466.23
Measurement	464.86	487.56
Data	428.87	480.36

Mean performance of Year 4 students in domain and strands by gender, Tuvalu, PILNA

Figure CNF4.4 shows the average numeracy performance of year four students in Tuvalu by gender. Year four girls scored higher than year four boys in all numeracy areas, including the overall numeracy score. This was similar to the 2015 and 2018 cycles, as seen in Figure CNF4.4.1. Further statistical testing needs to be done to understand if differences in scores are significant or the result of chance or outliers.

Figure CNF4.4.1

## Year 4 Numeracy performance by gender over time

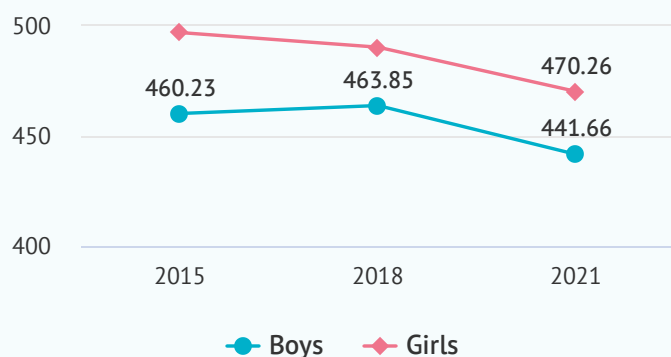


Year	Boys	Girls
2015	476.32	505.88
2018	465.8	489.77
2021	439.68	473.4

Mean performance of Year 4 students in numeracy by gender, over time, Tuvalu, PILNA 2015, 2018 and 2021

Figure CNF4.4.2

### Year 4 Number mean performance by gender over time

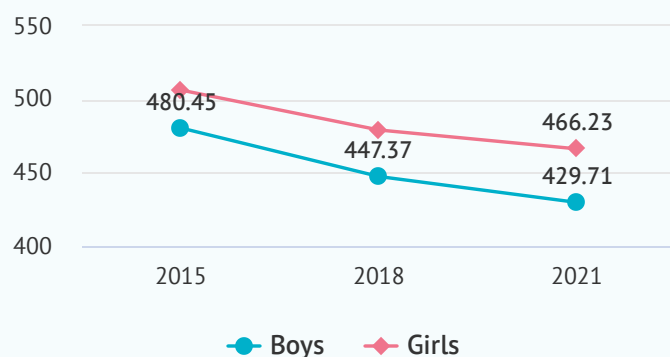


Year	Boys	Girls
2015	460.23	497.03
2018	463.85	490.37
2021	441.66	470.26

Mean performance of Year 4 students in number by gender, over time, Tuvalu, PILNA 2015, 2018 and 2021

Figure CNF4.4.3

### Year 4 Operations performance by gender over time

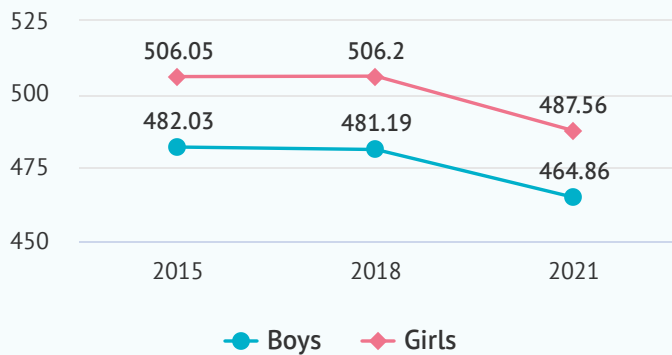


Year	Boys	Girls
2015	480.45	506.31
2018	447.37	479.1
2021	429.71	466.23

Mean performance of Year 4 students in operations by gender, over time, Tuvalu, PILNA 2015, 2018 and 2021

Figure CNF4.4.4

Year 4 Measurement & Geometry performance by gender over time

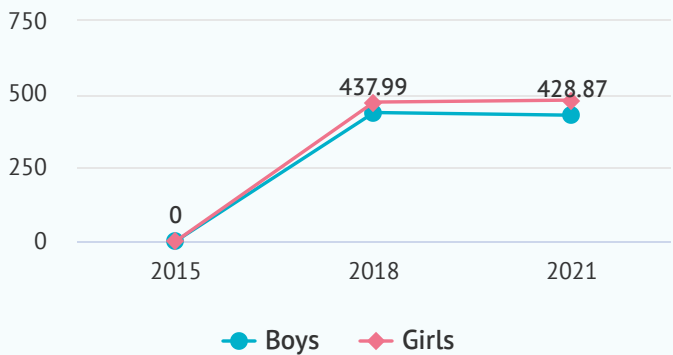


Year	Boys	Girls
2015	482.03	506.05
2018	481.19	506.2
2021	464.86	487.56

Mean performance of Year 4 students in measurement & geometry by gender, over time, Tuvalu, PILNA 2015, 2018 and 2021

Figure CNF4.4.5

Year 4 Data performance by gender over time



Year	Boys	Girls
2015	0	0
2018	437.99	473.6
2021	428.87	480.36

Mean performance of Year 4 students in data by gender, over time, Tuvalu, PILNA 2015, 2018 and 2021