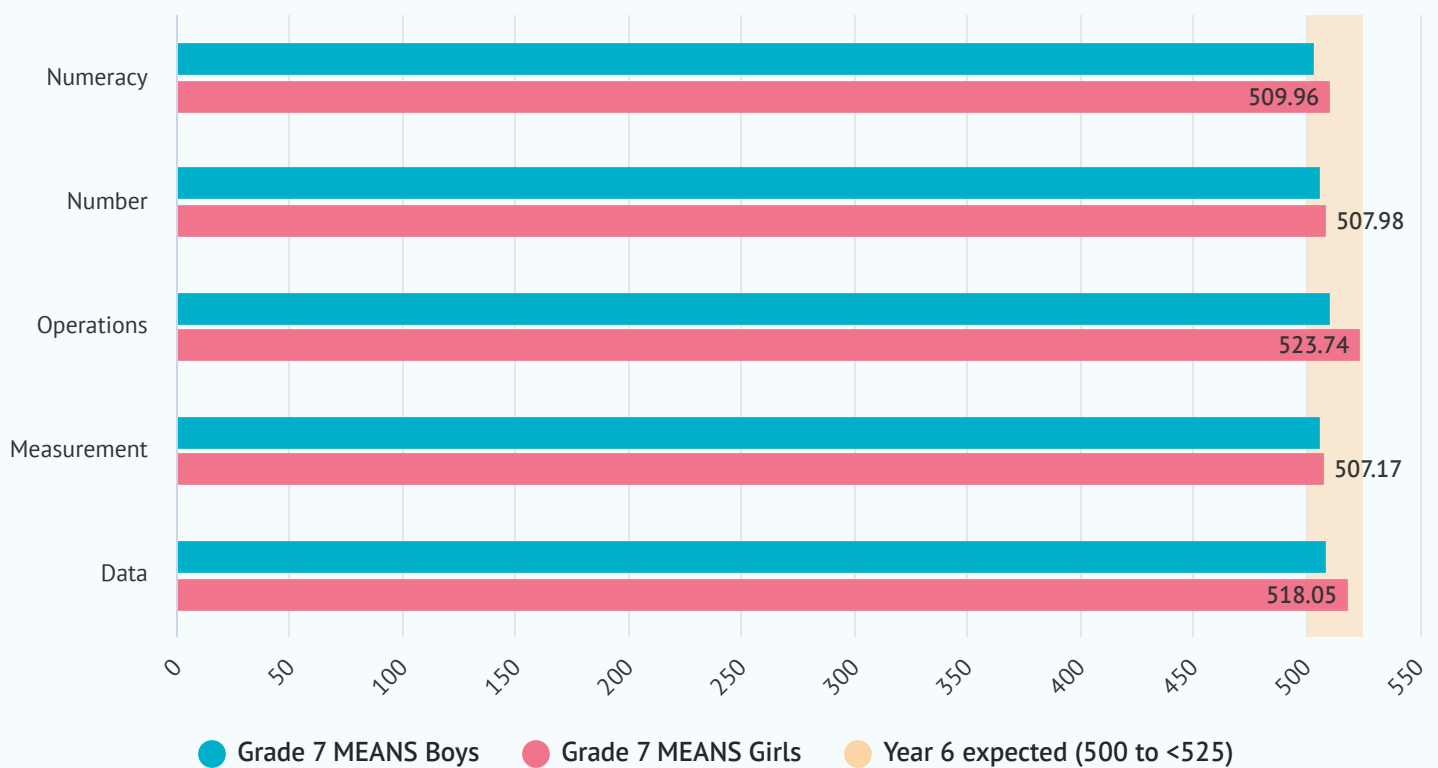


Grade 7 numeracy performance by gender

Figure CNF7.4

Grade 7 Numeracy mean performance in domain and strands by gender



Category	Grade 7 MEANS Boys	Grade 7 MEANS Girls
Numeracy	503.28	509.96
Number	506.14	507.98
Operations	510.48	523.74
Measurement	505.94	507.17
Data	508.48	518.05

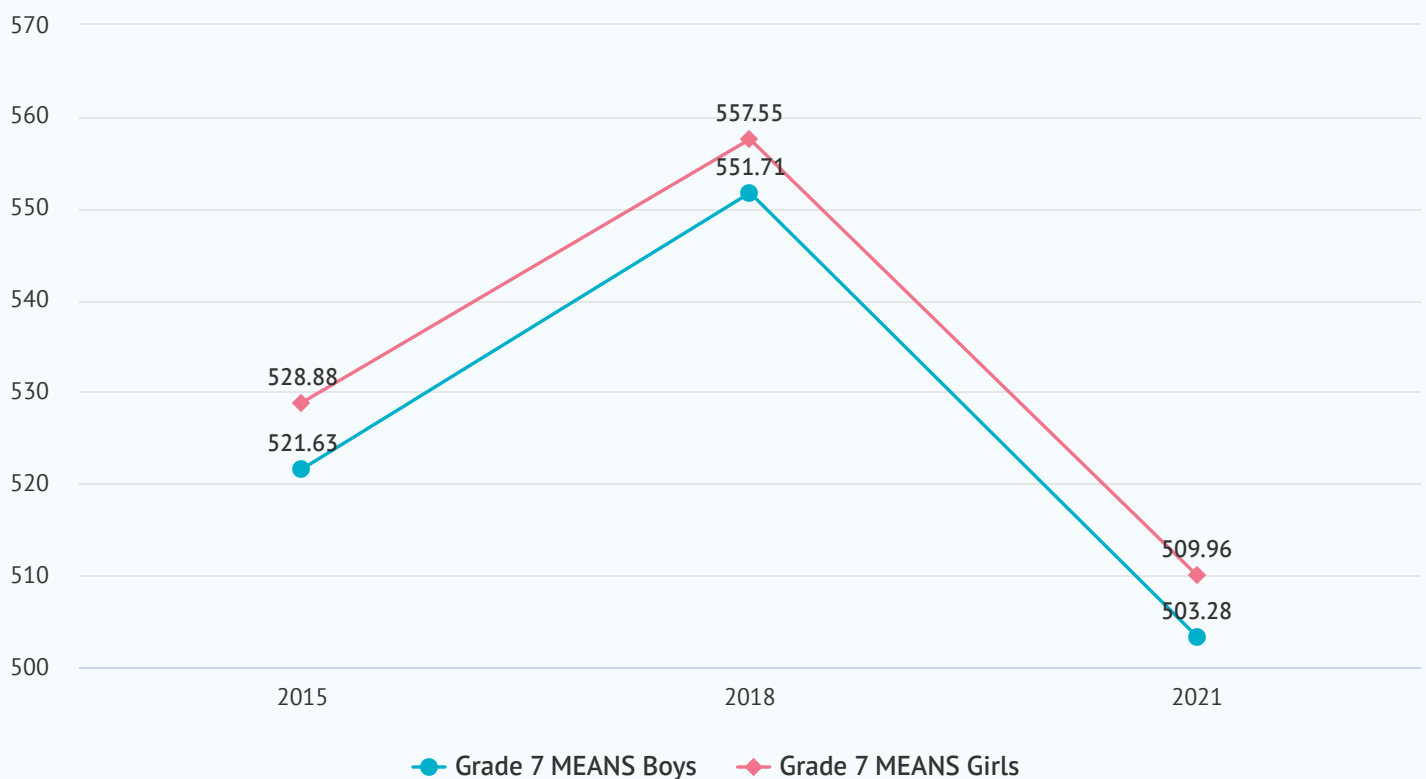
Mean performance of Grade 7 students in domain and strands by gender, FSM, PILNA 2021

A roughly equal number of grade seven girls and boys in Federated States of Micronesia had their performance analysed in the PILNA 2021 numeracy assessment: 52% of grade seven girls and 47% of grade seven boys.

Grade seven girls scored similarly to grade seven boys in the overall numeracy score. This was consistent with the trend across the two previous PILNA cycles. In 2015 and 2018, as seen in Figure CNF7.4.1, grade seven girls tended to score similarly to grade seven boys in the overall numeracy score. In 2021, however, grade seven girls scored higher than boys in the 'Operations' and 'Data & Chance' strands. Further statistical testing needs to be done to understand if these differences in scores are significant or the result of chance or outliers.

Figure CNF7.4.1

Grade 7 Numeracy mean performance by gender over time

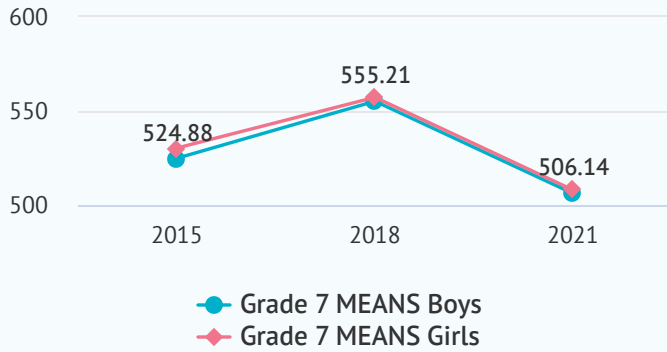


Year	Grade 7 MEANS Boys	Grade 7 MEANS Girls
2015	521.63	528.88
2018	551.71	557.55
2021	503.28	509.96

Mean performance of Grade 7 students in numeracy, by gender, FSM, PILNA 2015, 2018 and 2021

Figure CNF7.4.2

Grade 7 Number mean performance by gender over time

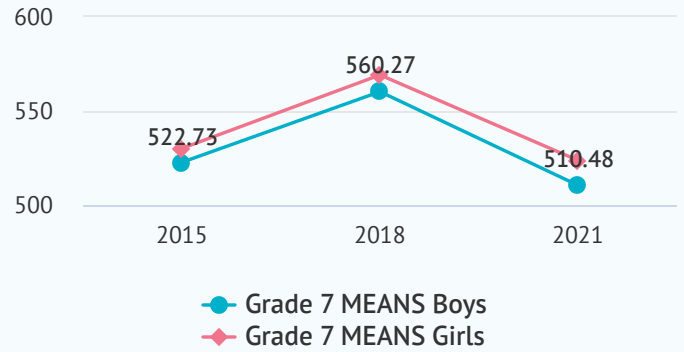


Year	Grade 7 MEANS Boys	Grade 7 MEANS Girls
2015	524.88	530.31
2018	555.21	557.28
2021	506.14	507.98

Mean performance of Grade 7 students in number strand, by gender, FSM, PILNA 2015, 2018 and 2021

Figure CNF7.4.3

Grade 7 Operations means performance by gender over time

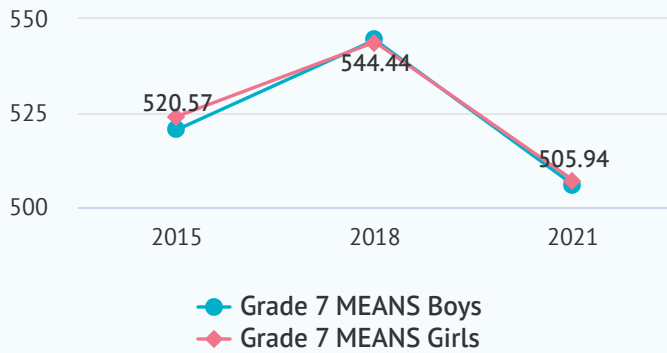


Year	Grade 7 MEANS Boys	Grade 7 MEANS Girls
2015	522.73	530.12
2018	560.27	569.17
2021	510.48	523.74

Mean performance of Grade 7 students in operations strand, by gender, FSM, PILNA 2015, 2018 and 2021

Figure CNF7.4.4

Grade 7 Measurement & Geometry performance by gender over time

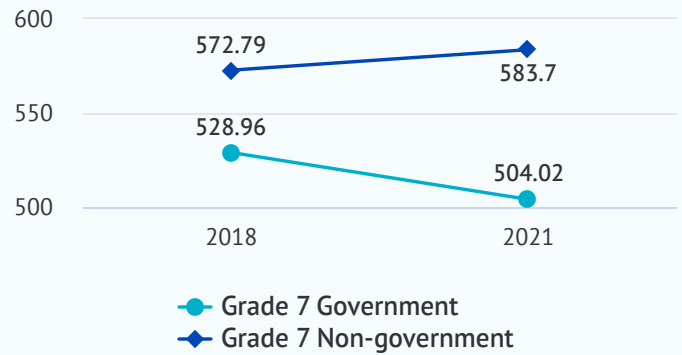


Year	Grade 7 MEANS Boys	Grade 7 MEANS Girls
2015	520.57	524.09
2018	544.44	543.85
2021	505.94	507.17

Mean performance of Grade 7 students in measurement & geometry strand by gender, FSM, PILNA 2015, 2018 and 2021

Figure CNF7.5.5

Grade 7 Data & Chance mean performance by school authority over time



Year	Grade 7 Government	Grade 7 Non-government
2018	528.96	572.79
2021	504.02	583.7

Mean performance of Grade 7 students in data & chance strand, by school authority, FSM, PILNA 2018 and 2021