Year four numeracy performance by school locality

A roughly equal proportion of year four students who participated in the PILNA 2021 numeracy assessment were enrolled in urban and non-urban schools: 49% in urban schools and 51% in non-urban schools.

Figure CNF4.6
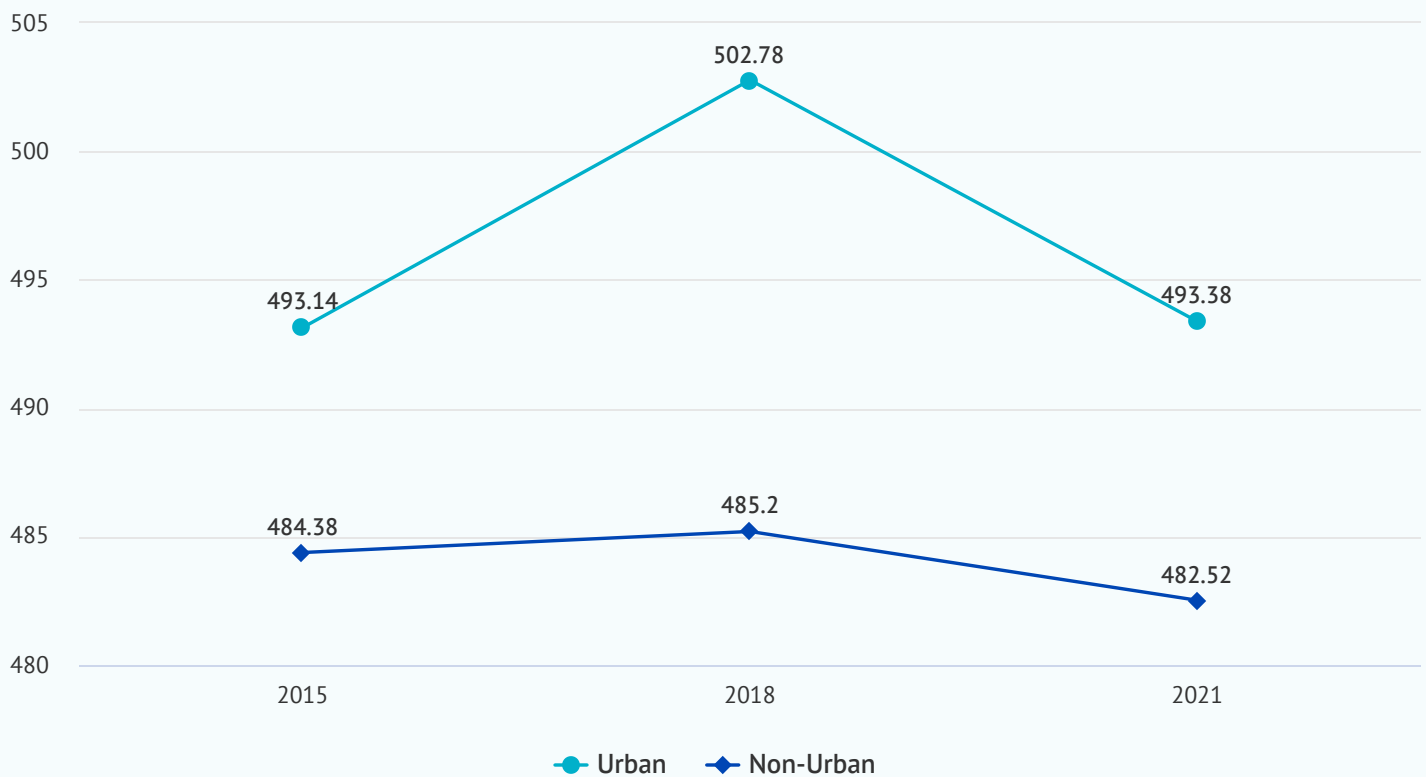
Year 4 numeracy performance by school locality

Category	Year 4 URBAN	Year 4 NON-URBAN
Numeracy	493.38	482.52
Number	497.72	482.69
Operations	490.71	478.47
Measurement	495.13	491.77
Data	500.96	487.62

Mean performance of Year 4 students in domain and strands by school locality, Tonga, PILNA 2021

Figure CNF4.6 shows the average performance of year four students by school locality. Year four students in urban schools scored higher than those in non-urban schools in the overall numeracy domain and across most numeracy strands. There was no substantial difference between the scores of these groups in the 'Measurement' and 'Geometry' strands.

Figure CNF4.6.1

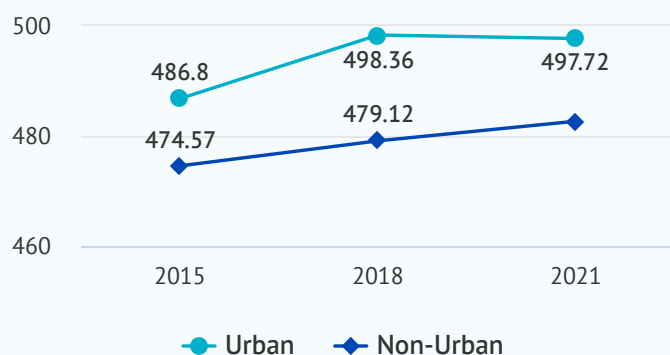## Year 4 Numeracy performance by school locality over time

Year	Urban	Non-Urban
2015	493.14	484.38
2018	502.78	485.2
2021	493.38	482.52

Mean performance of Year 4 students in numeracy by school locality, Tonga, PILNA 2015, 2018, 2021

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Figure CNF4.6.2

Year 4 Number performance by school locality over time

Year	Urban	Non-Urban
2015	486.8	474.57
2018	498.36	479.12
2021	497.72	482.69

Mean performance of Year 4 students in domain and strands by school locality, Tonga, PILNA 2015, 2018, 2021

Figure CNF4.6.3

Year 4 Operations performance by school locality over time
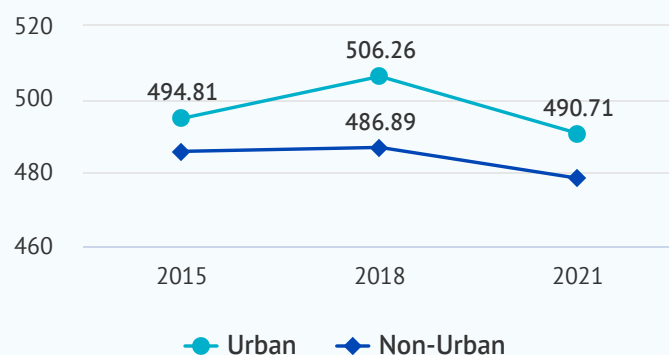
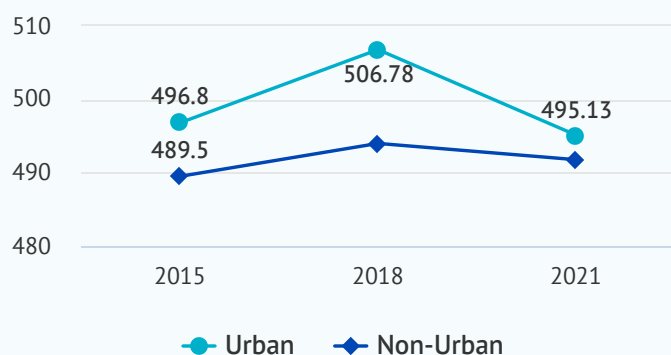| Year	Urban	Non-Urban
2015	494.81	485.81
2018	506.26	486.89
2021	490.71	478.47

Mean performance of Year 4 students in operations by school locality, Tonga, PILNA 2015, 2018, 2021

Figure CNF4.6.4

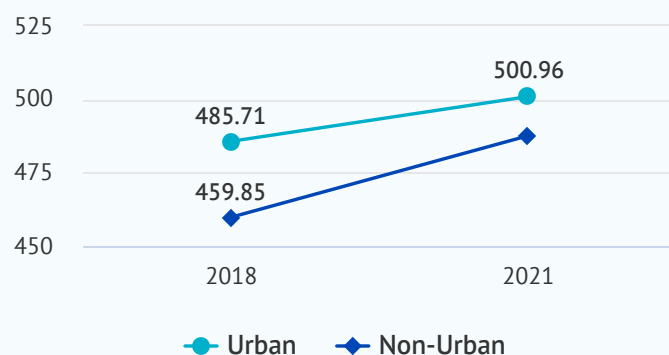### Year 4 Measurement & Geometry performance by school locality over time

Year	Urban	Non-Urban
2015	496.8	489.5
2018	506.78	493.99
2021	495.13	491.77

Mean performance of Year 4 students in measurement and geometry by school locality, 2015, 2018, 2021

Figure CNF4.6.5

Year 4 Data performance by school locality over time

Year	Urban	Non-Urban
2018	485.71	459.85
2021	500.96	487.62

Mean performance of Year 4 students in data by school locality 2018, 2021