



MATHEMATICS

Yr 5 Achievement Standards

BY THE END OF THE YEAR, STUDENTS SHOULD BE ABLE TO:

Number and Algebra

- Identify and describe factors and multiples of whole numbers and use them to solve problems
- Solves simple problems involving the four operations, using a range of strategies (mental and written). Checks reasonableness of answers by estimating and rounding
- Solve problems involving division by a one- digit number, including those that result in a remainder (mental and written)
- Solves problems involving multiplication of large numbers by one or two – digit numbers (mental and written)
- Compare and order decimals and unit fractions and locate them on a number line
- Add and subtract fractions with the same denominator
- Recognise that the place value system can be extended beyond hundredths
- Compare, order and represent decimals
- Create simple financial plans eg budgets
- Use addition and subtraction of fractions and decimals to find results and continue simple patterns
- Explain strategies used to find unknown quantities in number sentences involving the four operations and identify equivalent number sentences involving multiplication and division

Measurement and Geometry

- Use appropriate units of measurement for length, area, volume, capacity and mass
- Calculate perimeter and area of rectangles
- Compare 12- and 24- hour time systems and convert between them
- Connect three – dimensional objects with their nets and other two – dimensional representations
- Use a grid reference system to locates landmarks on a map
- Describe routes using landmarks and directional language
- Describe translations, reflections and rotations of two - dimensional shapes
- Identify line and rotational symmetries
- Estimate, measure and compare angles using degrees. Construct angles using a protractor

Statistics and Probability

- List the outcomes of chance experiments with equally likely outcomes, and states probabilities between 0 and 1
- Pose questions and collect categorical or numerical data by observation or survey
- Construct displays, including column graphs, dot plot and tables, appropriate for data type
- Describe and interpret different data sets in context