

Mathematics in Year 6

By the end of the year it is expected that children will be able to:

Statistics

- ✓ draw and interpret pie charts and line graphs and use the information in these to solve problems
- ✓ understand how to calculate the mean of a set of data

Algebra

- ✓ understand how to use simple formulae
- ✓ use algebra to express missing number problems e.g. $a + 3.5 = 6$
- ✓ find pairs of numbers that satisfy an equation with 2 unknowns e.g. $x + y = 10$
- ✓ generate and describe simple number sequences using algebra

Ratio and proportion

- ✓ solve problems using ratio and proportion where missing numbers are needed to be calculated
- ✓ calculate given percentages of an amount e.g. 15% of 360
- ✓ solve problems involving similar shapes where the scale factor is known or can be calculated
- ✓ solve problems involving unequal sharing and grouping and use knowledge of multiples and fractions to help with this e.g. 'for every egg you need 3 spoonfuls of flour'