

Mathematics

- Multiply and divide numbers with up to three decimal places by 10, 100, 1000
- Use long division to divide numbers up to four digits by a two-digit number
- Use simple formulae expressed in words
- Generate and describe linear number sequences
- Use simple ratio to compare quantities
- Write a fraction in its lowest terms by cancelling common factors
- Add and subtract fractions and mixed numbers with different denominators
- Multiply pairs of fractions in simple cases
- Find percentages of quantities
- Solve missing angle problems involving triangles, quadrilaterals, angles at a point and angles on a straight line
- Calculate the volume of cubes and cuboids
- Use coordinates in all four quadrants
- Calculate and interpret the mean as an average of a set of discrete data

Essential knowledge for Year 6

- Know percentage and decimal equivalents for fractions with a denominator of 2, 3, 4, 5, 8 and 10
- Know the rough equivalence between miles and kilometres
- Know that vertically opposite angles are equal
- Know that the area of a triangle = $\text{base} \times \text{height} \div 2$
- Know that the area of a parallelogram = $\text{base} \times \text{height}$
- Know that volume is measured in cubes
- Know the names of parts of a circle
- Know that the diameter of a circle is twice the radius
- Know the conventions for a 2D coordinate grid
- Know that $\text{mean} = \text{sum of data} \div \text{number of pieces of data}$



End of Year Expectations Year Six

This booklet provides information for parents and carers on the end of year expectations for the children in our school. The staff have identified these expectations as being the minimum requirement your child must meet in order to meet national age related expectations and to ensure continued progress throughout the following year.

All the objectives will be the focus of direct teaching throughout the year and revisited many times to ensure depth of learning and secure understanding. Any extra support you can provide in helping your child to achieve these is greatly valued.

If you have any queries regarding the content of this booklet or want support in knowing how best to help your children please talk to your child's class teacher.

