

Clarendon Primary School



'Doing our best to achieve our best'

Year 6

Maths End of Year Expectations

This booklet provides a summary of the most significant end of year expectations for children in Year 6 in Mathematics.

The end of year expectation objectives are worked on throughout the year and will be the focus of direct teaching. Any extra support you can provide in helping your children 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 child, please talk to your child's teacher.

Year 6 End of Year Expectations for Mathematics

Place value

- Rounds any whole number to a required degree of accuracy
- Uses negative numbers in context and calculates intervals across zero

Calculation

- Multiplies multi-digit numbers up to four digits by a two-digit whole number using the formal written method of long multiplication
- Divides numbers up to four digits by a two-digit number using the formal written method of short division where appropriate, interpreting remainders according to the context
- Solves addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why
- Uses estimation to check answers to calculations and determines, in the context of a problem, an appropriate degree of accuracy

Fractions

- Uses written division methods in cases where the answer has up to two decimal places
- Solves problems which require answers to be rounded to specified degrees of accuracy
- Recalls and uses equivalences between simple fractions, decimals and percentages, including in different contexts

Ratio and proportion

- Solves problems involving the calculation of percentages eg of measures and calculations such as 15 per cent of 360, and the use of percentages for comparison
- Solves problems involving unequal sharing and grouping using knowledge of fractions and multiples

Algebra

- Uses simple formulae (eg $a + b = b + a$)

Measurement

- Uses, reads, writes and converts between standard units, converting measurements of length, mass, volume and time from a smaller unit of measure to a larger unit, and vice versa, using decimal notation to up to three decimal places

Properties of shape

- Compares and classifies geometric shapes based on their properties and sizes and finds unknown angles in any triangles, quadrilaterals and regular polygons

Position and direction

- Draws and translates simple shapes on the coordinate plane and reflects them in the axes
- Interprets pie charts and line graphs and uses these to solve problems

Statistics

- Calculates and interprets the mean as an average

There is increased focus on children being able to **reason mathematically** by following a line of enquiry and verbalising their justification or proof using mathematical vocabulary. They should be able to **solve problems** to a wide range of problems with increasing sophistications, including breaking down problems into a series of simpler steps and persevering to find a solution.