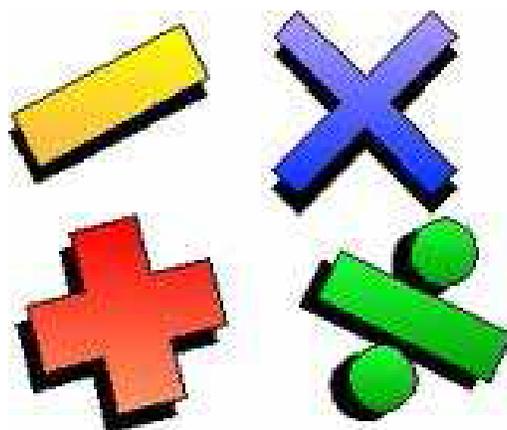


Maths Targets Year 6



"Bringing out the best in everyone"

The Maths Curriculum

Maths is split into three main areas these are **Number, Measurement and Geometry**.

The new curriculum is much more challenging:

- Long division
- The four operations of fractions
- Higher expectations for measuring shape
- Algebra sequences

We assess the children against the "Age Related Expectations".
Children will now be assessed as working as:

Working Towards ARE

Working at ARE

Working at Greater Depth (applying)

This booklet aims to provide you with the information to show you what your child is expected to achieve in each of these three areas by the end of Year 6.

It clearly shows the learning objectives we will be assessing against throughout the year.

We hope you find this information useful and as always please do not hesitate to contact us if you need further advice.

Number Targets

- I can use negative numbers in context, and calculate intervals across zero.
- I can round any whole number to a required degree of accuracy and solve problems which require answers to be rounded to a specific degree of accuracy.
- I can solve problems involving the relative sizes of two quantities where the missing values can be found by using integer multiplication and division facts.
- I can use common factors to simplify fractions; use common multiples to express fractions in the same denomination.
- I can solve problems involving the calculation of percentages.
- I can multiply 1-digit numbers with up to two decimal places by whole numbers.
- I can perform mental calculations, including with mixed operations with large numbers.
- I can divide numbers up to 4-digits by a 2-digit whole number using formal written methods of long division and interpret remainder in various ways.
- I use my knowledge of order of operations to carry out calculations involving all four operations.
- I can add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions.
- I can multiply simple pairs of proper fractions, writing the answer in its simplest form.
- I can divide proper fractions by whole numbers.
- I can associate a fraction with division and calculate decimal fraction equivalents.
- I can express missing number problems algebraically.
- I can find pairs of numbers that satisfy number sentences involving two unknowns.

Measurement and Geometry Targets

- I can recognise, describe and build simple 3D shapes, including making nets.
- I can compare and classify geometric shapes based on their properties and sizes and find unknown angles in any triangle, quadrilateral and regular polygons.
- I can illustrate and name parts of circles, including radius, diameter and circumference and know that the radius is half the diameter.
- I can read, write and convert between standard units, converting measurements of length, mass, volume and time from a smaller unit of measure to a larger unit, and visa versa, using decimal notation to up to 3 decimal places.
- I can calculate the area of a parallelogram and triangles and calculate, estimate and compare volume of cubes and cuboids using standard units.
- I can interpret and construct pie charts and line graphs and use these to solve problems.

