

Year 6 Autumn Term Maths Targets

By the end of the Autumn Term, most children should be able to do the following:

Numbers to 10 Million

- Read and write numbers to 10 million.
- Compare and arrange numbers within 10 million.
- Tell the place value of a digit in a number.
- Round numbers to the nearest 10, 100, 1000, 10 000, 100 000 and 1 000 000.

Operations on Whole Numbers

- Multiply numbers up to 4 digits by a 2-digit whole number.
- Divide numbers up to 4 digits by a 2-digit whole number.
- Interpret remainders in division.
- Perform mental calculations.
- Use estimation to check answers to calculations.
- Use the order of operations.
- Identify common factors, common multiples and prime numbers.
- Solve problems involving addition, subtraction, multiplication and division.

Fractions

- Find equivalent fractions using common multiples.
- Simplify fractions using common factors.
- Compare and order fractions.
- Add and subtract fractions.
- Multiply proper fractions.
- Divide proper fractions by whole numbers.

Year 6 Spring Term Maths Targets

By the end of the Spring Term, most children should be able to do the following:

Decimals

- Relate division of whole numbers to fractions and decimals.
- Write fractions as decimals.
- Tell the place value of digits in a decimal number.
- Multiply and divide decimals with one-digit and two-digit whole numbers.

Measurements

- Convert measurements of length.
- Convert measurements of mass.
- Convert measurements of volume.
- Convert measurements of time.

Year 6 Summer Term Maths Targets

By the end of the Summer Term, most children should be able to do the following:

Percentages

- Calculate the percentage of a number and a quantity.
- Use percentage to describe changes.
- Use percentage to compare.

Ratio

- Compare quantities and numbers using ratios.
- Solve problems involving ratios.

Algebra

- Describe and complete the pattern.
- Write and evaluate algebraic expressions.
- Write and use formulae
- Solve problems.

Area and Perimeter

- Find the perimeter and the area of rectangles, triangles and parallelograms.
- Use formulae to find the area of rectangles, triangles and parallelograms.
- Use the area of rectangles to find the area of other types of polygons.

Volume

- Find the volume of solids by counting unit cubes.
- Calculate the volume of cubes and cuboids in standard units (mm^3 , cm^3 , m^3 and km^3).

Geometry

- Recognise angles that meet at a point, angles on a straight line and vertically opposite angles.
- Find unknown angles in triangles, quadrilaterals and regular polygons.
- Identify the radius, diameter, circumference and centre of a circle.
- Draw 2-D shapes using given dimensions and angles.
- Identify and draw nets of 3-D shapes.

Position and Movement

- Use coordinate grids with negative numbers.

- Describe positions of points using coordinates.
- Draw, translate and reflect simple shapes on the coordinate plane.

Graphs and Averages

- Calculate and interpret the mean as an average.
- Draw and read pie charts.
- Draw and read graphs.
- Solve problems using information provided by graphs.

Negative numbers

- Add and subtract negative numbers.
- Use negative numbers in context.
- Solve problems involving negative numbers.