



Year 6 Autumn Curriculum Goals - Maths

<p>Number (Place Value): I can read, write, order and compare numbers up to 10,000,000 and determine the value of each digit.</p>
<p>Number (Place Value): I can round any whole number to a required degree of accuracy.</p>
<p>Number (Place Value): I can use negative numbers in context, and calculate intervals across zero.</p>
<p>Number (Place Value): I can solve number and practical problems that involve all of the above.</p>
<p>Number (Addition, Subtraction, Multiplication and Division): I can add and subtract integers</p>
<p>Number (Addition, Subtraction, Multiplication and Division): I can multiply numbers up to 4 digits by a 2-digit number using the formal written method of long multiplication.</p>
<p>Number (Addition, Subtraction, Multiplication and Division): I can divide numbers up to 4 digits by a 2-digit whole number using the formal written method of long division, and interpret remainders as whole number remainders, fractions, or by rounding as appropriate for the context.</p>
<p>Number (Addition, Subtraction, Multiplication and Division): I can divide numbers up to 4 digits by a 2-digit number using the formal written method of short division, interpreting remainders according to the context.</p>
<p>Number (Addition, Subtraction, Multiplication and Division): I can perform mental calculations, including with mixed operations and large numbers.</p>
<p>Number (Addition, Subtraction, Multiplication and Division): I can identify common factors, common multiples and prime numbers.</p>
<p>Number (Addition, Subtraction, Multiplication and Division): I can use my knowledge of the order of operations to carry out calculations involving the four operations.</p>
<p>Number (Addition, Subtraction, Multiplication and Division): I can solve problems involving addition, subtraction, multiplication and division.</p>
<p>Number (Fractions): I can use common factors to simplify fractions; use common multiples to express fractions in the same denomination.</p>
<p>Number (Fractions): I can compare and order fractions, including fractions > 1</p>
<p>Number (Fractions): I can generate and describe linear number sequences (with fractions)</p>
<p>Number (Fractions): I can Add, subtract and multiply fractions</p>
<p>Number (Fractions): I can divide proper fractions by whole numbers [for example $1/3 \div 2 = 1/6$]</p>
<p>Number (Fractions): I can associate a fraction with division and calculate decimal fraction equivalents [for example, 0.375] for a simple fraction [for example 38]</p>
<p>Number (Fractions): I can recall and use equivalences between simple fractions, decimals and percentages, including in different contexts.</p>
<p>Geometry (Position and Direction): I can describe positions on the full coordinate grid (all four quadrants).</p>
<p>Geometry (Position and Direction): I can draw and translate simple shapes on the coordinate plane, and reflect them.</p>



Year 6 Spring Curriculum Goals - Maths

<p>Number (Decimals): I can identify the value of each digit in numbers given to 3 decimal places and multiply numbers by 10, 100 and 1,000 giving answers up to 3 decimal places.</p>
<p>Number (Decimals): I can multiply and divide decimals by integers</p>
<p>Number (Decimals): I can convert fractions to decimals</p>
<p>Number (Algebra): I can use simple formulae</p>
<p>Number (Algebra): I can generate and describe linear number sequences.</p>
<p>Number (Algebra): I can express missing number problems algebraically.</p>
<p>Number (Algebra): I can find pairs of numbers that satisfy an equation with two unknowns.</p>
<p>Number (Algebra): I can enumerate possibilities of combinations of two variables.</p>
<p>Number (Ratio): I can solve problems involving the relative sizes of two quantities where missing values can be found by using integer multiplication and division facts.</p>
<p>Number (Ratio): I can solve problems involving similar shapes where the scale factor is known or can be found.</p>
<p>Number (Ratio): I can solve problems involving unequal sharing and grouping using knowledge of fractions and multiples.</p>
<p>Measurement (Perimeter, Area and Volume): I can recognise that shapes with the same areas can have different perimeters and vice versa.</p>
<p>Measurement (Perimeter, Area and Volume): I can recognise when it is possible to use formulae for area and volume of shapes.</p>
<p>Measurement (Perimeter, Area and Volume): I can calculate the area of parallelograms and triangles.</p>
<p>Measurement (Perimeter, Area and Volume): I can calculate, estimate and compare volume of cubes and cuboids using standard units.</p>
<p>Measurement (Converting Units): I can solve problems involving the calculation and conversion of units of measure, using decimal notation</p>
<p>Measurement (Converting Units): I can use, read, write and convert between standard units, converting measurements of length, mass, volume and time.</p>
<p>Measurement (Converting Units): I can convert between miles and kilometres.</p>



Year 6 Summer Curriculum Goals - Maths

Statistics: I can illustrate and name parts of circles, including radius, diameter and circumference and know that the diameter is twice the radius.
Statistics: I can interpret and construct pie charts and line graphs and use these to solve problems.
Statistics: I can calculate the mean as an average.
Geometry (Properties of Shape): I can draw 2-D shapes using given dimensions and angles.
Geometry (Properties of Shape): I can compare and classify geometric shapes based on their properties and sizes and find unknown angles in any triangles, quadrilaterals and regular polygons.
Geometry (Properties of Shape): I can recognise angles where they meet at a point, are on a straight line, or are vertically opposite, and find missing angles.