



**Maths overview - Year 4**

<b><u>Autumn 1</u></b>	<b><u>Autumn 2</u></b>	<b><u>Spring 1</u></b>	<b><u>Spring 2</u></b>	<b><u>Summer 1</u></b>	<b><u>Summer 2</u></b>
<p>&gt; Count in multiples of 6, 7, 9, 25 and 1000. Find 1000 more or less than a given number.</p> <p>&gt; Recognise the place value of each digit in a four digit number (thousands, hundreds, tens and ones)</p> <p>&gt; Order and compare numbers beyond 1000</p> <p>&gt; Identify, represent and estimate numbers using different representations.</p> <p>&gt; Round any number to the nearest 10, 100 or 1000</p> <p>&gt; Solve number and practical problems that involve all of the above and with increasingly large positive numbers.</p> <p>&gt; Count backwards through zero to include negative numbers.</p> <p>&gt; Read Roman numerals to 100 (I to C) and know that over time, the numeral system changed to include</p>	<p>&gt; <i>Explore practically using resources and pictures to see the link with place value.</i></p> <p>&gt; Recall and use multiplication and division facts for multiplication tables up to 12 × 12.</p> <p>&gt; Count in multiples of 6, 7, 9, 25 and 1000</p> <p>&gt; Recognise and use factor pairs and commutativity in mental calculations.</p> <p>&gt; Multiply two digit and three digit numbers by a one digit number using formal written layout.</p> <p>&gt; Use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers.</p> <p>&gt; Solve problems involving multiplying and adding, including using the distributive law to multiply two digit numbers by one digit, integer scaling</p>	<p>&gt; Recognise and show, using diagrams, families of common equivalent fractions.</p> <p>&gt; Count up and down in hundredths; recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten.</p> <p>&gt; Solve problems involving increasingly harder fractions to calculate quantities, and fractions to divide quantities, including non-unit fractions where the answer is a whole number.</p> <p>&gt; Add and subtract fractions with the same denominator.</p> <p>&gt; Convert between different units of <b>time</b> measures [for example hour to minute]</p> <p>&gt; Read, write and convert time between analogue and digital 12- and 24-hour clocks.</p> <p>&gt; Solve problems</p>	<p>&gt; recognise and write decimal equivalents of any number of tenths or hundreds.</p> <p>&gt; recognise and write decimal equivalents to <math>\frac{1}{4}</math></p> $\frac{1}{2}, \frac{3}{4}$ <p>&gt; find the effect of dividing a one- or two-digit number by 10 and 100, identifying the value of the digits in the answer as ones, tenths and hundredths</p> <p>&gt; round decimals with 1 decimal place to the nearest whole number</p> <p>&gt; compare numbers with the same number of decimal places up to 2 decimal places</p> <p>&gt; solve simple measure and money problems involving fractions and decimals to 2 decimal places</p> <p>&gt; Estimate, compare and calculate different measures, including money in pounds and</p>	<p>&gt; Identify acute and obtuse angles and compare and order angles up to two right angles by size.</p> <p>&gt; Compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes.</p> <p>&gt; Identify lines of symmetry in 2-D shapes presented in different orientations.</p> <p>&gt; Complete a simple symmetric figure with respect to a specific line of symmetry.</p> <p>&gt; Describe positions on a 2-D grid as coordinates in the first quadrant.</p> <p>&gt; Plot specified points and draw sides to complete a given polygon.</p> <p>&gt; Describe movements between positions as translations of a given unit to the left/ right and up/ down.</p>	<p>&gt; Interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs.</p> <p>&gt; Solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs.</p> <p><b><i>Revision, Fluency, Deepening</i></b></p>



<p>the concept of zero and place value.</p> <p>&gt; <i>Explore practically using resources and pictures to see the link with place value.</i></p> <p>&gt; Add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate.</p> <p>&gt; Estimate and use inverse operations to check answers to a calculation.</p> <p>&gt; Solve addition and subtraction two step problems in contexts, deciding which operations and methods to use and why.</p>	<p>problems and harder correspondence problems such as n objects are connected to m objects.</p>	<p>involving converting from hours to minutes; minutes to seconds; years to months; weeks to days.</p>	<p>pence.</p> <p>&gt; Solve simple measure and money problems involving fractions and decimals to two decimal places.</p>	<p>&gt; Measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres</p> <p>&gt; Find the area of rectilinear shapes by counting squares.</p> <p>&gt; Convert between different units of measure [for example, kilometre to metre, kilogram to gram, litre to millilitre etc]</p>	
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