



**Maths overview - Year 3**

| <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>                            |
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| <p>&gt; Identify, represent and estimate numbers using different representations.</p> <p>&gt; Find 10 or 100 more or less than a given number; recognise the place value of each digit in a three digit number (hundreds, tens, ones).</p> <p>&gt; Compare and order numbers up to 1000.</p> <p>&gt; Read and write numbers up to 1000 in numerals and in words.</p> <p>&gt; Solve number problems and practical problems involving these ideas.</p> <p>&gt; Count from 0 in multiples of 50 and 100.</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 mentally, including: a three-digit number and ones; a three-digit number and tens; a three-digit number and hundreds.</p> | <p>&gt; <i>Explore practically using resources and pictures to see the link with addition/subtraction and place value.</i></p> <p>&gt; Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables.</p> <p>&gt; Calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (x), division (÷) and equals (=) signs.</p> <p>&gt; Solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in context.</p> <p>&gt; Show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot.</p> <p>&gt; Solve problems,</p> | <p>&gt; Recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators.</p> <p>&gt; Recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators.</p> <p>&gt; Compare and order unit fractions, and fractions with the same denominators.</p> <p>&gt; Measure, compare, add and subtract: lengths (m/cm/mm), mass (kg/g); and volume/capacity (l/ml).</p> <p>&gt; Continue to measure using the appropriate tools and units, progressing to using a wider range of measures, including comparing and using mixed units (for example, 1m and 60cm, 500ml and 300ml and 45cl)</p> <p>&gt; Compare simple</p> | <p>&gt; Recognise angles as a property of shape or a description of a turn.</p> <p>&gt; Identify right angles, recognise that two right angles make a half-turn, three make three quarters of a turn and four a complete turn; identify whether angles are greater than or less than a right angle.</p> <p>&gt; Identify horizontal and vertical lines and pairs of perpendicular and parallel lines.</p> <p>&gt; Draw 2-D shapes and make 3-D shapes using modelling materials.</p> <p>&gt; Recognise 3-D shapes in different orientations and describe them.</p> <p>&gt; Interpret and present data using bar charts, pictograms and tables.</p> <p>&gt; Solve one-step and two-step questions (for example, 'How many more?' and 'How many fewer?')</p> | <p>&gt; Compare durations of events (for example to calculate the time taken by particular events or tasks).</p> <p>&gt; Record and compare time in terms of seconds, minutes and hours.</p> <p>&gt; add and subtract amounts of money to give change, using both £ and p in practical context</p> <p>&gt; Count up and down in tenths.</p> <p>&gt; Recognise that tenths arise from dividing an object into 10 equal parts and in dividing one-digit numbers or quantities by 10.</p> <p>&gt; Recognise and show, using diagrams, equivalent fractions with small denominators.</p> <p>&gt; Add and subtract fractions with the same denominator within one whole.</p> <p>&gt; Measure the perimeter of simple 2-D shapes.</p> | <p><b><i>Revision, Fluency, Deepening</i></b></p> |



Be your Best ☆ Expect the Best ☆ Succeed Together

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| <p>&gt; Estimate the answer to a calculation and use inverse operations to check answers.</p> <p>&gt; Solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction.</p> | <p>including missing number problems, positive integer scaling problems and correspondence problems in which <math>n</math> objects are connected to <math>m</math> objectives.</p> <p>&gt; Write and calculate mathematical statements including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods.</p> | <p>equivalents of mixed units (for example, <math>5\text{m} = 500\text{cm}</math>, <math>8000\text{g} = 8\text{kg}</math> and <math>200\text{cl} = 2\text{l}</math>).</p> | <p>using information presented in scaled bar charts and pictograms and tables.</p> <p>&gt; Tell and write the time from an analogue clock, including using Roman numerals and 12-hour and 24-hour clocks.</p> <p>&gt; Estimate and read time with increasing accuracy to the nearest minute.</p> <p>&gt; Use vocabulary such as o'clock, a.m./p.m., morning, afternoon, noon and midnight.</p> <p>&gt; Know the number of seconds in a minute and the number of days in each month, year and leap year.</p> |  |  |
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