



Maths overview - Year 2

Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
<p>> Read and write numbers to at least 100 in numerals and in words.</p> <p>> Recognise the place value of each digit in a two digit number (tens, ones)</p> <p>> Identify, represent and estimate numbers using different representations including the number line.</p> <p>> Compare and order numbers from 0 up to 100; use <, > and = signs.</p> <p>> Use place value and number facts to solve problems.</p> <p>> Count in steps of 2, 3 and 5 from 0, and in tens from any number, forward and backward.</p> <p>> <i>Explore practically using resources and pictures to see the link with place value.</i></p> <p>> Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100.</p>	<p>> <i>Explore practically using resources and pictures to see the link with addition/subtraction and place value.</i></p> <p>> Recall and use multiplication facts for the 2, 5 and 10 times tables, including recognising odd and even numbers.</p> <p>> Calculate mathematical statements for multiplication within the multiplication tables and write them using the multiplication (x) and equals (=) sign.</p> <p>> Solve problems involving multiplication using materials, arrays, repeated addition, mental methods and multiplication and division facts, including problems in contexts.</p> <p>> Show that the multiplication of two numbers can be done in any order (commutative).</p> <p>> <i>Explore practically using resources and pictures to see the link with addition/subtraction and</i></p>	<p>> recognise, find, name $\frac{1}{3}$, $\frac{1}{4}$ and write fractions $\frac{2}{3}$, $\frac{3}{4}$, $\frac{4}{4}$ of a length, shape, set of objects or quantity</p> <p>> write simple fractions, for example $\frac{1}{2}$ of 6 = 3 and recognise the equivalence of $\frac{2}{4}$ and $\frac{1}{2}$</p> <p>> Interpret and construct simple pictograms, tally charts, block diagrams and simple tables.</p> <p>> Ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity.</p> <p>> Ask and answer questions about totalling and comparing categorical data.</p> <p>> Choose and use appropriate standard units to estimate and measure</p>	<p>> Choose and use appropriate standard units to estimate and measure mass (kg/g); temperature (°C); capacity (litres/ml) to the nearest appropriate unit, using scales, thermometers and measuring vessels</p> <p>> Compare and order mass, temperature and volume/capacity and record the results using >, < and =</p> <p>> Identify and describe the properties of 2-D shapes, including the number of sides and line symmetry in a vertical line.</p> <p>> Identify and describe the properties of 3-D shapes, including the number of edges, vertices and faces.</p> <p>> Identify 2-D shapes on the surface of 3-D shapes, [for example, a circle on a cylinder and a triangle on a pyramid.]</p> <p>> Compare and sort</p>	<p>> Use mathematical vocabulary to describe position, direction and movement including movement in a straight line and distinguishing between rotation as a turn and in terms of right angles for quarter, half and three-quarter turns (clockwise and anti-clockwise).</p> <p>> Order and arrange combinations of mathematical objects in patterns and sequences.</p> <p>> Recognise and use symbols for pounds (£) and pence (p); combine amounts to make a particular value.</p> <p>> Find different combinations of coins that equal the same amounts of money.</p> <p>> Solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change.</p>	<p><i>A chance to prepare for the Year 2 SATs – revision of key concepts or areas needing extra practice prior to taking Maths papers.</i></p> <p>Revision, Fluency, Deepening</p>



<p>> Add and subtract numbers using concrete objects, pictorial representations, and mentally, including: a two-digit number and ones; a two-digit number and tens; two two-digit numbers; adding three one-digit numbers.</p> <p>> Show that the addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot.</p>	<p><i>place value.</i></p> <p>> Recall and use multiplication and division facts for the 2, 5 and 10 times tables, including recognising odd and even numbers.</p> <p>> Calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (x), division (÷) and equals (=) sign.</p> <p>> Solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods and multiplication and division facts, including problems in contexts.</p> <p>> Show that the multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot.</p>	<p>length/height in any direction (m/cm) using rulers</p> <p>> Compare and order lengths and record the results using >, < and =</p>	<p>common 2-D and 3-D shapes and everyday objects.</p> <p>> Tell and write the time to five minutes, including quarter past/to the hour and draw the hands on a clock face to show these times.</p> <p>> Know the number of minutes in an hour and the number of hours in a day.</p> <p>> Compare and sequence intervals of time.</p>		
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