

## Maths LTP – Year 2

**Key place value objectives:** (focus for starter activities. Objectives should underpin all mathematical skills)

- Count in steps of 2, 3, and 5 from 0, and in tens from any number, forward and backward
- Recognise the place value of each digit in a two-digit number (tens, ones)
- Identify, represent and estimate numbers using different representations, including the number line
- Compare and order numbers from 0 up to 100; use <, > and = signs
- Read and write numbers to at least 100 in numerals and in words
- Use place value and number facts to solve problems.
- Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100

<b>Autumn</b>	<b>Spring</b>	<b>Summer</b>
<p><b>Wk1-</b> Recognise the place value of each digit in a two-digit number (tens, ones) Identify, represent and estimate numbers using different representations, including the number line</p> <p><b>Wk2-</b> Compare and order numbers from 0 up to 100; use &lt;, &gt; and = signs Use place value and number facts to solve problems. Read and write numbers to at least 100 in numerals and in words</p> <p><b>Wk3-</b> Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100</p> <p>Add and subtract numbers using concrete objects, pictorial representations, and mentally, including:</p> <p><b>Wk4-</b> a two-digit number and ones <b>Wk5-</b> a two-digit number and tens <b>Wk6-</b> two two-digit numbers</p>	<p><b>Wk1-</b> Choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm); mass (kg/g); temperature (°C); capacity (litres/ml) to the nearest appropriate unit, using rulers, scales, thermometers and measuring vessels</p> <p><b>Wk2-</b> Compare and order lengths, mass, volume/capacity and record the results using &gt;, &lt; and =</p> <p><b>Wk3-</b> Solve problems with addition and subtraction: using concrete objects and pictorial representations, including those involving numbers, quantities and measures</p> <p><b>Wk4-</b> Solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change</p>	<p><b>Wk1-</b> Recognise, find, name and write fractions <math>\frac{1}{3}</math>, <math>\frac{1}{4}</math>, <math>\frac{1}{2}</math>, and <math>\frac{3}{4}</math> of a length, shape, set of objects or quantity</p> <p><b>Wk2-</b> Write simple fractions for example, <math>\frac{1}{2}</math> of 6 = 3 and recognise the equivalence of <math>\frac{2}{4}</math> and <math>\frac{1}{2}</math></p> <p><b>Wk3-</b> 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). Order and arrange combinations of mathematical objects in patterns and sequences.</p> <p><b>Wk4-</b> Identify and describe the properties of 2-D shapes, including the number of sides and line symmetry in a vertical line</p> <p><b>Wk5-</b> Identify and describe the properties of 3-D shapes, including the number of edges, vertices and faces</p>

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<p><b>Wk7-</b> adding three one-digit numbers</p>	<p><b>Wk5-</b> Recognise and use symbols for pounds (£) and pence (p); combine amounts to make a particular value</p> <p><b>Wk6-</b> Find different combinations of coins that equal the same amounts of money.</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><b>Wk6-</b> Compare and sort common 2-D and 3-D shapes and everyday objects.</p>
<p><b>Wk1-</b> Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers</p> <p><b>Wk2-</b> Calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (<math>\times</math>), division (<math>\div</math>) and equals (=) signs</p> <p><b>Wk3-</b> Show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot</p> <p><b>Wk4-</b> Solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts.</p> <p><b>Wk5-</b> Compare and sequence intervals of time</p> <p><b>Wk6/7-</b> 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 Know the number of minutes in an hour and the number of hours in a day.</p>	<p><b>Wk1-</b> Interpret and construct simple pictograms, tally charts, block diagrams and simple tables.</p> <p><b>Wk2-</b> Ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity.</p> <p><b>Wk3-</b> Ask and answer questions about totalling and comparing categorical data.</p> <p><b>Wk4-</b> Show that addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot.</p> <p><b>Wk5-</b> Recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems.</p>	<p>Objectives focussed on assessments so that children are secure with all Year 2 curriculum objectives.</p>

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