

<b>Planning Guidance</b>	
<ul style="list-style-type: none"> <li>• Ensure each lesson contains an element of counting, which is linked to other areas of your Maths curriculum. For example, counting in 25s using the measuring cylinder ITP; counting in 5 minutes on a clock to make an hour.</li> <li>• Ensure each lesson has a taught mental starter to engage the pupils and to help coverage. For example working on prime numbers as a mental starter before a lesson on simplifying fractions. Sometimes the mental starter will be linked to the main, whereas other times it won't</li> <li>• Every lesson should involve reasoning and problem solving, through both content and questioning techniques.</li> </ul>	

Week	Topic	Autumn Term Objectives Covered
1-2	<b>Place Value &amp; Number</b>	<ul style="list-style-type: none"> <li>• Count in steps of 2, 3, and 5 from 0, and in tens from any number, forward and backward</li> <li>• Recognise the place value of each digit in a two-digit number (tens, ones)</li> <li>• Identify, represent and estimate numbers using different representations, including the number line</li> <li>• Compare and order numbers from 0 up to 100; use and = signs</li> <li>• Read and write numbers to at least 100 in numerals and in words</li> </ul>
3-4	<b>Mental Addition &amp; Subtraction</b>	<ul style="list-style-type: none"> <li>• Add and subtract numbers using concrete objects, pictorial representations, and mentally: two-digit number and ones</li> <li>• Add and subtract numbers using concrete objects, pictorial representations, and mentally: adding three one-digit numbers</li> </ul> <p>Solve problems with addition and subtraction applying their increasing knowledge of mental and written methods</p>
5-6	<b>Written Addition &amp; Subtraction</b>	<ul style="list-style-type: none"> <li>• Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100</li> <li>• Represent and use number bonds and related subtraction facts within 20</li> <li>• Show that addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot</li> <li>• Solve problems with addition and subtraction using concrete objects and pictorial representations, including those involving numbers, quantities and measure</li> </ul> <p>Ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity</p>
7	<b>Statistics</b>	<ul style="list-style-type: none"> <li>• Interpret and construct simple pictograms, tally charts, block diagrams and simple tables</li> <li>• Ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity</li> <li>• Ask and answer questions about totalling and comparing categorical data.</li> </ul>
8-9	<b>Mental Multiplication &amp; Division</b>	Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers
10-11	<b>Written Multiplication &amp; Division</b>	<ul style="list-style-type: none"> <li>• 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</li> <li>• Show that multiplication of two numbers can be done in any order (commutative) and division of one number by</li> </ul>

		another cannot Solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts
12	<b>Problem Solving</b>	<a href="#">Finding all possibilities</a>
13	<b>Money</b>	<ul style="list-style-type: none"> <li>• Recognise and use symbols for pounds (£) and pence (p); combine amounts to make a particular value</li> <li>• Find different combinations of coins that equal the same amounts of money</li> <li>• Solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change</li> </ul>
14	<b>Fractions</b>	<ul style="list-style-type: none"> <li>• Identify and describe the properties of 2-D shapes, including the number of sides and line symmetry in a vertical line</li> <li>• Identify 2-D shapes on the surface of 3-D shapes, [for example, a circle on a cylinder and a triangle on a pyramid]</li> <li>• Recognise, find, name and write fractions <math>\frac{1}{3}</math>, <math>\frac{1}{4}</math>, <math>\frac{2}{4}</math> and <math>\frac{3}{4}</math> of a shape</li> <li>• Recognise, find, name and write fractions <math>\frac{1}{3}</math>, <math>\frac{1}{4}</math>, <math>\frac{2}{4}</math> and <math>\frac{3}{4}</math> of a length</li> </ul>
15	<b>Position &amp; Direction</b>	<ul style="list-style-type: none"> <li>• Order and arrange combinations of mathematical objects in patterns and sequences</li> <li>• 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 anticlockwise)</li> </ul>
<b>Week</b>	<b>Topic</b>	<b>Spring Term Objectives Covered</b>
1-2	<b>Place Value &amp; Number</b>	<ul style="list-style-type: none"> <li>• Count in steps of 2, 3, and 5 from 0, and in tens from any number, forward and backward</li> <li>• Recognise the place value of each digit in a two-digit number (tens, ones)</li> <li>• Identify, represent and estimate numbers using different representations, including the number line</li> <li>• Compare and order numbers from 0 up to 100; use and = signs</li> <li>• Read and write numbers to at least 100 in numerals and in words</li> </ul>
3	<b>Mental Addition &amp; Subtraction</b>	<ul style="list-style-type: none"> <li>• Add and subtract numbers using concrete objects, pictorial representations, and mentally: two-digit number and ones</li> <li>• Add and subtract numbers using concrete objects, pictorial representations, and mentally: adding three one-digit numbers</li> <li>• <b>Add and subtract numbers using concrete objects, pictorial representations, and mentally: a two-digit number and tens</b></li> </ul> <p>Solve problems with addition and subtraction applying their increasing knowledge of mental and written methods</p>
4-5	<b>Addition &amp; Subtraction including money and statistics</b>	<ul style="list-style-type: none"> <li>• Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100</li> <li>• Represent and use number bonds and related subtraction facts within 20</li> <li>• Show that addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot</li> <li>• Solve problems with addition and subtraction using concrete objects and pictorial representations, including those involving numbers, quantities and measure</li> <li>• Ask and answer questions about totalling and comparing categorical data</li> <li>• Recognise and use symbols for pounds (£) and pence (p); combine amounts to make a particular value</li> <li>• Find different combinations of coins that equal the same amounts of money</li> <li>• Solve simple problems in a practical context involving addition and subtraction of money of the same unit, including</li> </ul>

		giving change
6	<b>Mental Multiplication &amp; Division</b>	<ul style="list-style-type: none"> <li>Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers</li> </ul>
7-8	<b>Written Multiplication &amp; Division</b>	<ul style="list-style-type: none"> <li>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</li> <li>Show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot</li> </ul> <p>Solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts</p>
9	<b>Problem Solving</b>	<a href="#">Finding Rules</a>
10-11	<b>Fractions</b>	<ul style="list-style-type: none"> <li>Recognise, find, name and write fractions <math>\frac{1}{3}</math>, <math>\frac{1}{4}</math>, <math>\frac{2}{4}</math> and <math>\frac{3}{4}</math> of a shape</li> <li>Recognise, find, name and write fractions <math>\frac{1}{3}</math>, <math>\frac{1}{4}</math>, <math>\frac{2}{4}</math> and <math>\frac{3}{4}</math> of a length</li> <li><b>Recognise, find, name and write fractions <math>\frac{1}{3}</math>, <math>\frac{1}{4}</math>, <math>\frac{2}{4}</math> and <math>\frac{3}{4}</math> of a set of objects or quantity</b></li> </ul>
12	<b>Measurement</b>	<ul style="list-style-type: none"> <li>Choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm) to the nearest appropriate unit, using rulers</li> <li>Choose and use appropriate standard units to estimate and measure mass (kg/g) to the nearest appropriate unit, using scales</li> <li>Choose and use appropriate standard units to estimate and measure capacity (litres/ml) to the nearest appropriate unit, using measuring vessels</li> </ul>
<b>Week</b>	<b>Topic</b>	<b>Summer Term Objectives Covered</b>
1	<b>Place Value &amp; Number</b>	<ul style="list-style-type: none"> <li>Count in steps of 2, 3, and 5 from 0, and in tens from any number, forward and backward</li> <li>Recognise the place value of each digit in a two-digit number (tens, ones)</li> <li>Identify, represent and estimate numbers using different representations, including the number line</li> <li>Compare and order numbers from 0 up to 100; use and = signs</li> <li>Read and write numbers to at least 100 in numerals and in words</li> </ul>
2	<b>Mental Addition &amp; Subtraction</b>	<ul style="list-style-type: none"> <li>Add and subtract numbers using concrete objects, pictorial representations, and mentally: two-digit number and ones</li> <li>Add and subtract numbers using concrete objects, pictorial representations, and mentally: adding three one-digit numbers</li> <li>Add and subtract numbers using concrete objects, pictorial representations, and mentally: a two-digit number and tens</li> <li><b>Add and subtract numbers using concrete objects, pictorial representations, and mentally: two two-digit numbers</b></li> <li>Solve problems with addition and subtraction applying their increasing knowledge of mental and written methods</li> </ul>
3-4	<b>Written Addition &amp; Subtraction including money, measures and statistics</b>	<ul style="list-style-type: none"> <li>Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100</li> <li>Represent and use number bonds and related subtraction facts within 20</li> <li>Show that addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot</li> <li>Solve problems with addition and subtraction using concrete objects and pictorial representations, including those involving numbers, quantities and measure</li> <li>Ask and answer questions about totalling and comparing categorical data</li> <li>Recognise and use symbols for pounds (£) and pence (p); combine amounts to make a particular value</li> </ul>

		<ul style="list-style-type: none"> <li>• Find different combinations of coins that equal the same amounts of money</li> <li>• Solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change</li> </ul>
5-6	<b>Multiplication &amp; Division</b>	<ul style="list-style-type: none"> <li>• 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</li> <li>• Show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot</li> <li>• Solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts</li> </ul>
7	<b>Properties of Shape</b>	<ul style="list-style-type: none"> <li>• Identify and describe the properties of 2-D shapes, including the number of sides and line symmetry in a vertical line</li> <li>• Identify and describe the properties of 3-D shapes, including the number of edges, vertices and faces</li> <li>• Identify 2-D shapes on the surface of 3-D shapes, [for example, a circle on a cylinder and a triangle on a pyramid]</li> </ul> <p>Compare and sort common 2-D and 3-D shapes and everyday objects.</p>
8-9	<b>Time</b>	<ul style="list-style-type: none"> <li>• Compare and sequence intervals of time</li> <li>• 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</li> <li>• Know the number of minutes in an hour and the number of hours in a day.</li> </ul>
10	<b>Problem Solving</b>	<ul style="list-style-type: none"> <li>• <a href="#">Logic Puzzles</a></li> </ul>
11	<b>Fractions</b>	<ul style="list-style-type: none"> <li>• Recognise, find, name and write fractions <math>\frac{1}{3}</math>, <math>\frac{1}{4}</math>, <math>\frac{2}{4}</math> and <math>\frac{3}{4}</math> of a length</li> <li>• Recognise, find, name and write fractions <math>\frac{1}{3}</math>, <math>\frac{1}{4}</math>, <math>\frac{2}{4}</math> and <math>\frac{3}{4}</math> of a shape</li> <li>• Recognise, find, name and write fractions <math>\frac{1}{3}</math>, <math>\frac{1}{4}</math>, <math>\frac{2}{4}</math> and <math>\frac{3}{4}</math> of a set of objects or quantity</li> <li>• <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></b></li> </ul>