

## Year 2: Maths Curriculum Overview

Please note that not all schemes of work are currently available. PlanBee is working hard to complete the remaining schemes as quickly as possible.



	Autumn Term	Spring Term	Summer Term
Week 1	What's my number?	How can we compare numbers?	Let's multiply and divide
Week 2	What is place value?	Let's learn our times tables	Let's add big numbers
Week 3	Let's use number bonds	Let's explore 3D shapes	Let's subtract big numbers
Week 4	What is multiplication?	Let's measure weight	Can we find fractions of numbers?
Week 5	What is division?	Can we link addition and subtraction?	Let's measure capacity
Week 6	Let's explore 2D shapes	Can we link multiplication and division?	Let's go shopping
Week 7	Let's use a ruler	Let's find fractions	Let's make graphs
Week 8	Let's make a pictogram	How can we tell the time?	Let's solve place value problems
Week 9	Let's use number patterns	Let's explore charts and tables	What time is it?
Week 10	How can we add numbers?	Let's explore position and direction	What's the answer?
Week 11	How can we subtract numbers?	How hot is it?	Let's sort shapes and objects
Week 12	Let's use pounds and pence	Let's solve problems	What is your position?

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	Autumn Term	Spring Term	Summer Term
<b>Week 1</b>	<p><b>What's my number?</b></p> <ul style="list-style-type: none"> <li>identify, represent and estimate numbers using different representations, including the number line</li> <li>read and write numbers to at least 100 in numerals and in words</li> </ul>	<p><b>How can we compare numbers?</b></p> <ul style="list-style-type: none"> <li>recognise the place value of each digit in a two-digit number (tens, ones)</li> <li>compare and order numbers from 0 up to 100; use <math>&lt;</math>, <math>&gt;</math> and <math>=</math> signs</li> <li>read and write numbers to at least 100 in numerals and in words</li> <li>use place value and number facts to solve problems</li> </ul>	<p><b>Let's multiply and divide</b></p> <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> <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 (<math>=</math>) 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>
<b>Week 2</b>	<p><b>What is place value?</b></p> <ul style="list-style-type: none"> <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 <math>&lt;</math>, <math>&gt;</math> and <math>=</math> signs</li> <li>use place value and number facts to solve problems</li> </ul>	<p><b>Let's learn our times tables</b></p> <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> <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 (<math>=</math>) signs</li> </ul>	<p><b>Let's add big numbers</b></p> <ul style="list-style-type: none"> <li>read and write numbers to at least 100 in numerals and in words</li> <li>add and subtract numbers using concrete objects, pictorial representations, and mentally, including <ul style="list-style-type: none"> <li>a two-digit number and tens</li> <li>two two-digit numbers</li> </ul> </li> </ul>
<b>Week 3</b>	<p><b>Let's use number bonds</b></p> <ul style="list-style-type: none"> <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 measures</li> <li>recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100</li> </ul>	<p><b>Let's explore 3D shapes</b></p> <ul style="list-style-type: none"> <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</li> <li>compare and sort common 2-D and 3-D shapes and everyday objects</li> </ul>	<p><b>Let's subtract big numbers</b></p> <ul style="list-style-type: none"> <li>read and write numbers to at least 100 in numerals and in words</li> <li>add and subtract numbers using concrete objects, pictorial representations, and mentally, including <ul style="list-style-type: none"> <li>a two-digit number and tens</li> <li>two two-digit numbers</li> </ul> </li> </ul>
<b>Week 4</b>	<p><b>What is multiplication?</b></p> <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 (<math>=</math>) signs</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>	<p><b>Let's measure weight</b></p> <ul style="list-style-type: none"> <li>choose and use appropriate standard units to estimate and measure mass (kg/g)</li> <li>compare and order lengths, mass, volume/capacity and record the results using <math>&gt;</math>, <math>&lt;</math> and <math>=</math></li> </ul>	<p><b>Can we find fractions of numbers?</b></p> <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, shape, set of objects or quantity</li> <li>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></li> </ul>

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<p><b>Week 5</b></p>	<p><b>What is division?</b></p> <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>solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts</li> </ul>	<p><b>Can we link addition and subtraction?</b></p> <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>show that addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot</li> <li>recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems</li> </ul>	<p><b>Let's measure capacity</b></p> <ul style="list-style-type: none"> <li>choose and use appropriate standard units to estimate and measure capacity (litres/ml) to the nearest appropriate unit, using measuring vessels</li> <li>compare and order volume/capacity and record the results using <math>&gt;</math>, <math>&lt;</math> and <math>=</math></li> </ul>
<p><b>Week 6</b></p>	<p><b>Let's explore 2D shapes</b></p> <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>compare and sort common 2-D and 3-D shapes and everyday objects</li> </ul>	<p><b>Can we link multiplication and division?</b></p> <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> <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>	<p><b>Let's go shopping</b></p> <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>
<p><b>Week 7</b></p>	<p><b>Let's use a ruler</b></p> <ul style="list-style-type: none"> <li>choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm)</li> <li>compare and order lengths, mass, volume/capacity and record the results using <math>&gt;</math>, <math>&lt;</math> and <math>=</math></li> </ul>	<p><b>Let's find fractions</b></p> <ul style="list-style-type: none"> <li>recognise, find, name and write fractions <math>\frac{1}{2}</math>, <math>\frac{1}{4}</math>, <math>\frac{2}{4}</math> and <math>\frac{3}{4}</math> of a length, shape, set of objects or quantity</li> </ul>	<p><b>Let's make graphs</b></p> <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>
<p><b>Week 8</b></p>	<p><b>Let's make a pictogram</b></p> <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>	<p><b>How can we tell the time?</b></p> <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>	<p><b>Let's solve place value problems</b></p> <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>use place value and number facts to solve problems</li> </ul>

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<p><b>Week 9</b></p>	<p><b>Let's use number patterns</b></p> <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> <li>count in steps of 2, 3, and 5 from 0, and in tens from any number, forward and backward</li> <li>read and write numbers to at least 100 in numerals and in words</li> </ul>	<p><b>Let's explore charts and tables</b></p> <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>	<p><b>What time is it?</b></p> <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>
<p><b>Week 10</b></p>	<p><b>How can we add numbers?</b></p> <ul style="list-style-type: none"> <li>add and subtract numbers using concrete objects, pictorial representations, and mentally, including adding three one-digit numbers</li> <li>solve problems with addition and subtraction using concrete objects and pictorial representations, including those involving numbers, quantities and measures</li> <li>solve problems with addition and subtraction applying their increasing knowledge of mental and written methods</li> <li>add and subtract numbers using concrete objects, pictorial representations, and mentally, including a two-digit number and ones</li> <li>add and subtract numbers using concrete objects, pictorial representations, and mentally, including a two-digit number and tens</li> </ul>	<p><b>Let's explore position and direction</b></p> <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 anti-clockwise)</li> </ul>	<p><b>What's the answer?</b></p> <ul style="list-style-type: none"> <li>solve problems with addition and subtraction:               <ul style="list-style-type: none"> <li>using concrete objects and pictorial representations, including those involving numbers, quantities and measures</li> <li>applying their increasing knowledge of mental and written methods</li> </ul> </li> <li>recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems.</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>
<p><b>Week 11</b></p>	<p><b>How can we subtract numbers?</b></p> <ul style="list-style-type: none"> <li>add and subtract numbers using concrete objects, pictorial representations, and mentally, including: a two-digit number and ones; a two-digit number and tens</li> <li>solve problems with addition and subtraction using concrete objects and pictorial representations, including those involving numbers, quantities and measures</li> </ul>	<p><b>How hot is it?</b></p> <ul style="list-style-type: none"> <li>choose and use appropriate standard units to estimate and measure temperature (<math>^{\circ}\text{C}</math>) to the nearest appropriate unit using scales and thermometers</li> <li>solve problems with addition and subtraction using concrete objects and pictorial representations, including those involving numbers, quantities and measures</li> </ul>	<p><b>Let's sort shapes and objects</b></p> <ul style="list-style-type: none"> <li>compare and sort common 2-D and 3-D shapes and everyday objects</li> </ul>
<p><b>Week 12</b></p>	<p><b>Let's use pounds and pence</b></p> <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>	<p><b>Let's solve problems</b></p> <ul style="list-style-type: none"> <li>solve problems with addition and subtraction:               <ul style="list-style-type: none"> <li>using concrete objects and pictorial representations, including those involving numbers, quantities and measures</li> <li>applying their increasing knowledge of mental and written methods</li> </ul> </li> <li>recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems</li> </ul>	<p><b>What is your position?</b></p> <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 anti-clockwise)</li> </ul>