

Planning Guidance

- 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.
- 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
- Every lesson should involve reasoning and problem solving, through both content and questioning techniques.

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

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

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

		<ul style="list-style-type: none"> • Find different combinations of coins that equal the same amounts of money • Solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change
5-6	Multiplication & Division	<ul style="list-style-type: none"> • Calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (\times), division (\div) and equals (=) signs • Show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot • Solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts
7	Properties of Shape	<ul style="list-style-type: none"> • Identify and describe the properties of 2-D shapes, including the number of sides and line symmetry in a vertical line • Identify and describe the properties of 3-D shapes, including the number of edges, vertices and faces • 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>Compare and sort common 2-D and 3-D shapes and everyday objects.</p>
8-9	Time	<ul style="list-style-type: none"> • Compare and sequence intervals of time • 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.
10	Problem Solving	<ul style="list-style-type: none"> • Logic Puzzles
11	Fractions	<ul style="list-style-type: none"> • Recognise, find, name and write fractions $\frac{1}{3}$, $\frac{1}{4}$, $\frac{2}{4}$ and $\frac{3}{4}$ of a length • Recognise, find, name and write fractions $\frac{1}{3}$, $\frac{1}{4}$, $\frac{2}{4}$ and $\frac{3}{4}$ of a shape • Recognise, find, name and write fractions $\frac{1}{3}$, $\frac{1}{4}$, $\frac{2}{4}$ and $\frac{3}{4}$ of a set of objects or quantity • Write simple fractions for example, $\frac{1}{2}$ of 6 = 3 and recognise the equivalence of $\frac{2}{4}$ and $\frac{1}{2}$