Year 2

Autumn 1	Year 2
Number – Number and place value 1 week	• 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 • count in steps of 2 and 5 from 0, forwards and backwards
Number – Addition and subtraction 2 week	• recall and use addition and subtraction facts to 20 fluently • show that addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot • recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems • solve problems with addition and subtraction: – using concrete objects and pictorial representations, including those involving numbers, quantities and measures – applying their increasing knowledge of mental methods • recall and use addition and subtraction facts and derive and use related facts up to 100
Number – Multiplication and division 1 week	• calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (×), division (÷) 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
Measurement (length and height, 1 week	• choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm) to the nearest appropriate unit, using rulers • compare and order lengths and record the results using >, < and =
Geometry – Shape, Position and direction 1 week	•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 • identify and describe the properties of 2-D shapes, including the number of sides and line symmetry in a vertical line • compare and sort common 2-D shapes • draw lines and shapes using a straight edge *
	Assess and review

* Non statutory

Autumn 2	Year 2
Number – Number and place value 1 week	• count in steps of 2 and 5 from 0, and in tens from any number, forwards and backwards • count in steps of 3 from 0, forwards and backwards • 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
Number – Fractions 1 week	• recognise, find, name and write fractions 1/3, 1,4, 2,4 , and 3,4 of a length, shape, set of objects or quantity • write simple fractions for example, ½ of 6 = 3 and recognise the equivalence of 2/4 and 1/2
Number – Addition and subtraction 1 week	• solve problems with addition and subtraction: – using concrete objects and pictorial representations, including those involving numbers, quantities and measures – applying their increasing knowledge of mental methods • add and subtract numbers using concrete objects, pictorial representations and mentally, including: – a two-digit number and ones
Statistics 1 week	• interpret and construct tally charts 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
Measurement (money and time) 2 week	• 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 • 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
	Assess and review

* Non statutory

Spring 1	Year 2
Number – Addition and subtraction 1 week	• solve problems with addition and subtraction: – using concrete objects and pictorial representations, including those involving numbers – applying their increasing knowledge of mental methods • add and subtract numbers using concrete objects, pictorial representations and mentally, including: – a two-digit number and tens – adding three one-digit numbers • show that addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot • recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems
Number – Fractions 1 week	• recognise, find, name and write fractions 1/3, 1,4, 2,4 , and 3,4 of a length, shape, set of objects or quantity • write simple fractions for example, ½ of 6 = 3 and recognise the equivalence of 2/4 and 1/2
Number – Multiplication and division 1 week	• recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers • calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (×), division (÷) and equals (=) signs • show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot
Geometry – Properties of shapes 1 week	• 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] • compare and sort common 2-D and 3-D shapes and everyday objects
Measurement – volume and capacity, mass, money, time 2 week	• choose and use appropriate standard units to estimate and measure capacity (litres/ml) to the nearest appropriate unit, using measuring vessels • compare and order volume/capacity and record the results using >, < and = • choose and use appropriate standard units to estimate and measure mass (kg/g) to the nearest appropriate unit, using scales • compare and order mass and record the results using >, < and = • 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 • 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
	Assess and review

* Non statutory

Spring 2	Year 2
Number – Addition and subtraction 1 week	• add and subtract numbers using concrete objects, pictorial representations and mentally, including: – two two-digit numbers • show that addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot • recognise and use the inverse relationship between addition and subtraction and use this to check calculations
Number – Number and place value 1 week	• count in steps of 2 and 5 from 0, and in tens from any number, forwards and backwards • count in steps of 3 from 0, forwards and backwards • recognise the place value of each digit in a two-digit number (tens, ones) • compare and order numbers from 0 up to 100; use <, > and = signs • use place value and number facts to solve problems
Number – Multiplication and division 2 week	• recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers • calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (×), division (÷) and equals (=) signs • show that multiplication of two numbers can be done in any order (commutative) and division of one number byanother cannot • solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts
Geometry – Position and direction 1 week	• 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)
Statistics 1 week	• interpret and construct tally charts 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
	Assess and review

* Non statutory

Summer 1	Year 2
Number – Number and place value 1 week	• count in steps of 2 and 5 from 0, and in tens from any number, forwards and backwards • count in steps of 3 from 0, forwards and backwards • recognise the place value of each digit in a two-digit number (tens, ones) • compare and order numbers from 0 up to 100; use <, > and = signs • use place value and number facts to solve problems
Number – Addition and subtraction 2 week	• solve problems with addition and subtraction: – using concrete objects and pictorial representations including those involving numbers, quantities and measures – applying their increasing knowledge of mental and written methods • add and subtract numbers using concrete objects, pictorial representations and mentally, including: – two two-digit numbers • show that addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot • recognise and use the inverse relationship between addition and subtraction and use this to check calculations • record addition and subtraction in columns to support place value and prepare for formal written methods with larger numbers *
Number – Fractions 1 week	• recognise, find, name and write fractions 1/3, 1,4, 2,4 , and 3,4 of a length, shape, set of objects or quantity • write simple fractions for example, ½ of 6 = 3 and recognise the equivalence of 2/4 and 1/2
Statistics 1 week	• interpret and construct simple pictograms, block diagrams and simple tables • use many-to-one correspondence in pictograms with simple ratios of 2 *• 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
Measurement (temperature, length and height, mass, and volume and capacity) 1 week	• 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 • compare and order lengths, mass, volume/capacity and record the results using >, < and =
	Assess and review

* Non statutory

Summer 2	Year 2
Number – Number and place value 1 week	• count in steps of 2 and 5 from 0, and in tens from any number, forwards and backwards • calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (×), division (÷) and equals (=) signs • solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts
Number – Addition and subtraction 1 week	solve problems with addition and subtraction: – using concrete objects and pictorial representations including those involving numbers, quantities and measures – applying their increasing knowledge of mental and written methods • add and subtract numbers using concrete objects, pictorial representations and mentally, including: – two two-digit numbers • show that addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot • recognise and use the inverse relationship between addition and subtraction and use this to check calculations • record addition and subtraction in columns to support place value and prepare for formal written methods with larger numbers *
Number – Multiplication and division 1 week	• recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers • calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (×), division (÷) and equals (=) signs • solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts
Geometry – Position and direction 1 week	• 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)
Number – Fractions 1 week	• recognise, find, name and write fractions 1/3, 1,4, 2,4 , and 3,4 of a length, shape, set of objects or quantity • write simple fractions for example, ½ of 6 = 3 and recognise the equivalence of 2/4 and 1/2
Measurement (all) 1 week	• 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 • compare and order lengths, mass, volume/capacity and record the results using >, < and =• compare and sequence intervals of time • tell and write the time to fi ve 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
	Assess and review

* Non statutory