Autumn Term	Number: Place Value	Number: Addition and Subtraction		Measure: Money
	Count in steps of 2, 3 and 5 from 0 and in tens from any number, forwards and backwards. Recognise the place value of each digit in a two digit number(tens, ones). Identify, represent and estimate numbers to 100 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 words. Use place value and number facts to solve problems. RTP - Recognise the place value of each digit in two-digit numbers, and compose and decompose two-digit numbers using standard and non-standard partitioning. Reason about the location of any two-digit number in the linear number system, including identifying the previous and next multiple of 10.	Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts to 100. Show that the addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot. Add and subtract numbers using concrete objects, pictorial representations, and mentally, including a two digit number and ones; a two digit number and tens; two 2 digit numbers, adding three one digit numbers. 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 and written methods. RTP - Secure fluency in addition and subtraction facts within 10, through continued practice. Add and subtract across 10. Recognise the subtraction structure of 'difference' and answer questions of the form, "How many more...?". Add and subtract within 100 by applying related one-digit addition and subtraction facts: add and subtract only ones or only tens to/from a two-digit number. Add and subtract within 100 by applying related one-digit addition and subtraction facts: add and subtract any 2 two-digit numbers.		Recognise and use symbols of 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 our practical context involving addition and subtraction of money of the same unit, including giving change. RTP - Reason about the location of numbers to 20 within the linear number system, including comparing using < > and =.

Spring Term	Number: Multiplication and Division	Statistics	Geometry: Shape	Number: Fractions	Measure: Length and Height
	Recall and use multiplication facts for the 2, 5 and 10 times tables, including recognising odd and even numbers. Calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (x), division and equals (=) sign. Solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods and multiplication and division facts, including problems in contexts. Show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot. RTP - Recognise repeated addition contexts, representing them with multiplication equations and calculating the product, within the 2, 5 and 10 multiplication tables.	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.	Identify and describe the properties of 2D shapes, including the number of sides and lines of symmetry in a vertical line. Identify and describe the properties of 3D shapes, including the number of edges, vertices and faces. Identify 2D shapes on the faces of 3D shapes @9e.g. a circle on a cylinder). Compare and sort common 2D and 3D shapes and everyday objects. Order and arrange combinations of mathematical objects in patterns and sequences. RTP - Use precise language to describe the properties of 2D and 3D shapes and compare shapes by reasoning about similarities and differences in properties.	Recognise, find, name and write fractions ½, ¼, 2/4 and ¾ of a length, shape, set of objects or quantity. Write simple fractions for example, ½ of 6 =3. Recognise the equivalence pf 2/4 and ½.	Choose and use appropriate standard units to estimate and measure length and height in any direction (m/cm) and mass (kg/g) to the nearest appropriate unit, using rulers and scales. Compare and order length and mass and record the results using <, > and =.

	Relate grouping problems where the number of groups is unknown to multiplication equations with a missing factor, and to division equations (quotative division).					
Summer Term	Geometry: Position and Direction	Measure: Time	Place Value (Consolidation)	Number: Addition and Subtraction (Consolidation)	Number: Multiplication and Division (Consolidation)	Measure: Mass, Capacity and Temperature
	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 anti-clockwise).	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. Compare and sequence intervals of time. <u>RTP</u> – *Count within 100, forwards and backwards, starting with any number.*	Use place value and number facts to solve problems.	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 and written methods. <u>RTP</u> – *Count forwards and backwards in multiples of 2, 5 and 10, up to 10 multiples, beginning with any multiple, and count forwards and backwards through the odd numbers.*	Solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods and multiplication and division facts, including problems in contexts.	Choose and use appropriate units to estimate standard units to measure capacity (l/ml) and temperature to the nearest appropriate unit, using thermometers and measuring vessels. Compare and order volume/capacity and record the results using <, > and =.