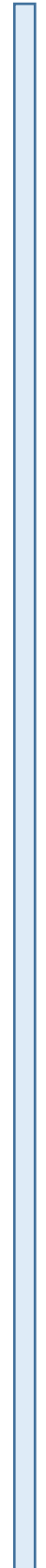




<b>Topic 1: Number/Place Value</b>		<i>Topics will be taught in numerical order across the academic year. The precise order of the statements within each topic is to be determined by the class teacher. Each statement will be taught and assessed in a learning sequence.</i>
Secure recall of all times tables and division facts incl. x2, x5, x10 & x11		
Count in steps of tens from any number, forward and backwards.		
Recognise the place value of each digit in a two-digit number (tens & ones)		
Identify, represent and estimate numbers using different representations (e.g. number line).		
Compare and order numbers from 0 up to 100 using <, > and = signs.		
Read and write numbers to at least 100 in numerals and in words.		
<b>Topic 2: Four operations</b>		
Use concrete objects and pictorial representations to +/- quantities and measures.		
Apply their increasing knowledge of mental and written methods to word problems.		
Recall & use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100.		
+/- a 2-digit number and ones using concrete objects, pictorial representations and mentally.		
+/- a 2-digit number and tens using concrete objects, pictorial representations and mentally.		
+/- two 2-digit numbers using concrete objects, pictorial representations and mentally.		
+/- three 1-digit numbers using concrete objects, pictorial representations and mentally.		
Show that addition of 2 numbers can be done in any order (commutative) but subtraction cannot.		
Check calculations and solve missing number problems using inverse operations (+ & -)		
Identify numbers as being either odd or even.		
Write mathematical statements for multiplication and division using x, ÷ and = signs.		
Show that multiplication of 2 numbers can be done in any order (commutative) but division cannot.		
Solve reasoning problems involving multiplication and division using materials, arrays, repeated addition, mental methods, and multiplication and division facts.		
<b>Topic 3: Fractions, decimals and percentages</b>		
Recognise, find, name and write fractions $\frac{3}{4}$ , $\frac{1}{4}$ , $\frac{1}{2}$ . of a length, shape, 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 $\frac{1}{2}$ .		
Recognise the equivalence of simple fractions (e.g. $\frac{2}{4} = \frac{1}{2}$ ).		
<b>Topic 4: Measurement</b>		
Choose and use appropriate standard units to estimate lengths, heights, masses, temperatures etc.		
Use appropriate equipment (e.g. rulers, scales & thermometers) to measure accurately.		
Compare and order lengths, mass, volume/capacity and record the results using >, < and =.		
Recognise & 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 +/- reasoning problems that involve money (including giving change).		
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.		
<b>Topic 5: Properties of shape and position</b>		
Describe the properties of 2-D shapes, including the n <sup>o</sup> of sides and vertical lines of symmetry.		
Describe the properties of 3-D shapes, including the n <sup>o</sup> of edges, vertices and faces.		
Identify 2-D shapes on the surface of 3-D shapes, [for example, circles on the ends of a cylinder]		
Compare and sort common 2-D and 3-D shapes and everyday objects.		
Use mathematical vocabulary to describe position, direction and movement, including movement clockwise, anticlockwise, right angles, quarter turns & three-quarter turns.		
Identify and make predictions from representations of patterns and sequences.		
<b>Topic 6: Statistics</b>		
Interpret and construct simple tally charts and tables.		
Interpret and construct simple pictograms and block diagrams.		
Ask and answer simple questions by collecting data and sorting categories by quantity.		
Ask and answer questions about totaling and comparing categorical data.		
	Sept.	
	July	