Year 2- Key Learning Focus		
Number: Place Value	**Number: Addition and Subtraction**	**Number: Multiplication and Division**
• Count in steps of 2, 3, and 5 from 0, and in tens from any number, forward and backward * • Read and write numbers to at least 100 in numerals and in words * • 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 • *Partition numbers in different ways (e.g. 23 = 20 + 3 and 23 = 10 + 13)* • Compare and order numbers from 0 up to 100; use <, > and = signs • *Find 1 or 10 more or less than a given number*	• *Choose an appropriate strategy to solve a calculation based upon the numbers involved (recall a known fact, calculate mentally, use a jotting)* • Recall and use addition and subtraction facts to 20 fluently,* and derive and use related facts up to 100 * • 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 two-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	• 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 *using repeated addition)* and division within the multiplication tables and write them using the multiplication (×), division (÷) and equals (=) signs • *Halves and doubles of numbers to 10* *
Number: Fractions	**Measurement**	**Geometry- properties of shape**
• Recognise, find, name and write fractions $\frac{1}{3}$, $\frac{1}{4}$, $\frac{2}{4}$ and $\frac{3}{4}$ of a length, shape, set of objects or quantity	• 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	• Identify and describe the properties of 2-D shapes, including the number of sides and line symmetry in a vertical line • Find different combinations of coins that equal the same amounts of money * •

Year 2- Key: **Assessed objectives/** *additional (non-statutory)* , Key Learning Focus * recall facts

Number-Place Value

- **Count in steps of 2, 3, and 5 from 0, and in tens from any number, forward and backward** *
- **Read and write numbers to at least 100 in numerals and in words** *
- **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**
- *Partition numbers in different ways (e.g. 23 = 20 + 3 and 23 = 10 + 13)*
- **Compare and order numbers from 0 up to 100; use <, > and = signs**
- *Find 1 or 10 more or less than a given number*
- *Round numbers to at least 100 to the nearest 10*
- *Understand the connection between the 10 multiplication table and place value*
- *Describe and extend simple sequences involving counting on or back in different steps*

Use place value and number facts to solve problems

Number- Addition and Subtraction

- *Choose an appropriate strategy to solve a calculation based upon the numbers involved (recall a known fact, calculate mentally, use a jotting)*
- *Select a mental strategy appropriate for the numbers involved in the calculation*
- **Show that addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot**
- *Understand subtraction as take away and difference (how many more, how many less/fewer)*
- **Recall and use addition and subtraction facts to 20 fluently ,* and derive and use related facts up to 100**
- *Recall and use number bonds for multiples of 5 totalling 60 (to support telling time to nearest 5 minutes)*
- **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 two-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** *including with missing numbers:*

using concrete objects and pictorial representations, including those involving numbers, quantities and measures

Number- Multiplication and Division

- *Understand multiplication as repeated addition and arrays*
- *Understand division as sharing and grouping and that a division calculation can have a remainder*
- **Show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot**
- **Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables *, including recognising odd and even numbers** *
- *Halves and doubles of numbers to 10 **
- *Derive and use doubles of simple two-digit numbers (numbers in which the ones total less than 10)*
- *Derive and use halves of simple two-digit even numbers (numbers in which the tens are even)*
- **Calculate mathematical statements for multiplication *using repeated addition)* and division within the multiplication tables and write them using the multiplication (×), division (÷) and equals (=) signs**

Solve problems involving multiplication and division *(including those with remainders),* **using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts**

Number- Fractions

- *Understand and use the terms numerator and denominator*
- *Understand that a fraction can describe part of a set*
- *Understand that the larger the denominator is, the more pieces it is split into and therefore the smaller each part will be*
- **Recognise, find, name and write fractions $\frac{1}{3}$, $\frac{1}{4}$, $\frac{2}{4}$ and $\frac{3}{4}$ 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 $\frac{1}{2}$**

Count on and back in steps of $\frac{1}{2}$ and $\frac{1}{4}$

Measurement

- **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]

Geometry- Position and directions

Geometry- Properties of Shape

- **Choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm); mass (kg/g); temperature (°C); capacity and volume (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 =**
- **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** *

	• **Order/arrange combinations of mathematical objects in patterns/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)** **Statistics** • Compare and sort *objects, numbers and* common 2-D and 3-D shapes and everyday objects • **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**	• **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** **Solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change** *and measures (including time)*