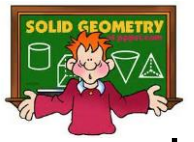
Year 2
End of year expectations

Number
Count in steps of 2, 3, and 5 from zero, and in tens from any number, BOTH forwards and backwards
Recognise the place value of each digit in a two-digit number (tens and ones)
Identify, represent and estimate numbers
Compare and order numbers from 0 up to 100; use < (less than) > (more than) and = (equals) signs
Read and write numbers up to at least 100 in numerals AND in words
Use place value and number facts to solve problems

Geometry (including position and direction)
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]
Compare and sort common 2-D and 3-D shapes and everyday objects
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)



Fractions
Recognise, find, name and write fractions 1/3, ¼, 2/4 and ¾ of a length, shape, set of object or a quantity
Write simple fractions, for example ½ of 6 = 3 and recognise the equivalence of ½ and 2/4

Statistics
Interpret and construct simple pictograms, tally charts, block diagrams and 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

Addition and Subtraction
Use concrete objects and pictorial representations to solve problems, mentally and on paper, with addition and subtraction including money and measures
Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100 e.g. 1 + 6 = 7 so 10 + 60 = 70 or 70 – 10 = 60 and 7 – 1 = 6
Add and subtract numbers using concrete objects, pictorial representations, and mentally including adding or subtracting one or ten to/from a two-digit number, adding and subtracting two two-digit numbers and adding three one-digit numbers
Know and show that addition of numbers can be done in any order and that 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 number problems

Multiplication and Division
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 (x) and division (÷) and equals (=) signs
Show that multiplication of two numbers can be done in any order 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 context e.g. money and measures

Measurement
Choose and use appropriate standard units to estimate 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 =
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
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