Year 2 End of Year Expectations: Mathematics

Year 2 Mathematics			
Year Number and Place Value			
Number and Place Value	**Addition and Subtraction**	**Multiplication and Division**	**Fractions**
❖ Count in steps of 2, 3, and 5 from 0, and in tens from any number, forward and backward. ❖ 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.	❖ Solve problems with addition and subtraction. ❖ 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. ❖ Add 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.	❖ 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. ❖ Solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts.	❖ Recognise, find, name and write fractions 1/2, 1/3, 1/4, 2/4, 3/4 of a length, shape, set of objects or quantity. ❖ Write simple fractions for example, 1/2 of 6 =

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Year 2 Mathematics			
Geometry and Measures			
Measures	**Geometry – Properties of Shapes**	**Geometry – Position and Movement**	**Statistics**
❖ Choose and use appropriate standard units to estimate and measure ❖ 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.	❖ 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.	❖ 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 anticlockwise	❖ 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.