|  |  |
| --- | --- |
| **Year 2 Maths Statements** | |
| **Number** | |
| **Number and Place Value**   * 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 | **Addition and Subtraction**  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 * 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 addition and subtraction facts to 20 fluently, and derive and use related facts up to 100   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 |
| **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 (×), 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 | **Fractions**   * Recognise, find, name and write fractions 1/3, 1/4 , 2/4 and 3/4 of a length, shape, set of objects or quantity * Write simple fractions for example, 1/2 of 6 = 3 and recognise the equivalence of 2/4 and 1/2 |
| **Measurement** | |
| * Choose and use appropriate standard units to estimate and measure 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 | |
| **Geometry** | |
| **Properties of Shapes**   * 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 | **Position and Direction**   * 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). |
| **Statistics** | |
| * 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 | |