End of Year Expectations for Year 2 (Maths)

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| Year 2 Number and Place Value | | | | |
| Number and Place Value | Addition and Subtraction | Multiplication and Division | Fractions | |
| Sufficient evidence shows the ability to:  PV1- Count in steps of 2, 3, and 5 from 0, and in 10s from any number, forward and backward.  PV2- Recognise the place value of each digit in a two-digit number (10s, 1s).  PV3- Identify, represent and estimate numbers using different representations, including the number line.  PV4- Compare and order numbers from 0 up to 100; use <, > and = signs.  PV5- Read and write numbers to at least 100 in numerals and in words.  PV6- Use place value and number facts to solve problems. | Sufficient evidence shows the ability to:  AS1- 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.  AS2- Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100.  AS3- Add and subtract numbers using concrete objects, pictorial representations, and mentally, including:   * a two-digit number and 1s * a two-digit number and 10s * 2 two-digit numbers * adding 3 one-digit numbers   AS5- Show that addition of 2 numbers can be done in any order (commutative) and subtraction of 1 number from another cannot.  AS6- Recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems | Sufficient evidence shows the ability to:  MD1- Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers.  MD2- Calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (×), division (÷) and equals (=) signs.  MD3- Show that multiplication of 2 numbers can be done in any order (commutative) and division of 1 number by another cannot.  MD4- Solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts. | Sufficient evidence shows the ability to:  F1- Recognise, find, name and write fractions 1/3 , 1/4 , 2/4 and 3/4 of a length, shape, set of objects or quantity.  F2- Write simple fractions, for example 1/2 of 6 = 3 and recognise the equivalence of 2/4 and 1/2 | |
| Year 2 Geometry and Measures | | | | |
| Measures | | Geometry – Properties of Shapes | Geometry – Position and Direction. | Statistics |
| Sufficient evidence shows the ability to:  M1- 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.  M2- Compare and order lengths, mass, volume/capacity and record the results using >, < and =.  M3- Recognise and use symbols for pounds (£) and pence (p); combine amounts to make a particular value.  M4- Find different combinations of coins that equal the same amounts of money.  M5- Solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change.  M6- Compare and sequence intervals of time.  M7- 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.  M8- Know the number of minutes in an hour and the number of hours in a day. | | Sufficient evidence shows the ability to:  G1- Identify and describe the properties of 2-D shapes, including the number of sides, and line symmetry in a vertical line.  G2- Identify and describe the properties of 3-D shapes, including the number of edges, vertices and faces.  G3- Identify 2-D shapes on the surface of 3-D shapes, [for example, a circle on a cylinder and a triangle on a pyramid].  G4- Compare and sort common 2-D and 3-D shapes and everyday objects. | Sufficient evidence shows the ability to:  G5- Order and arrange combinations of mathematical objects in patterns and sequences.  G6- 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). | Sufficient evidence shows the ability to:  S1- Interpret and construct simple pictograms, tally charts, block diagrams and tables.  S2- Ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity.  S3- Ask-and-answer questions about totalling and comparing categorical data. |