**Key Stage 1 Maths, assessment strands**

**Year 1**

**Number**

I can:

Count to and across 100 forwards and backwards, beginning with 0 or 1 from any given number.

Count, read and write numbers to 100 in numerals.

Count in multiples of twos, fives and tens.

Given a number, I can identify one more and one less.

Identify and represent numbers using objects and pictorial representations including the number line.

Use the language of equal to, more than, less than (fewer), most and least.

Read and write numbers from 1 to 20 in numerals and words.

Read, write and interpret mathematical statements involving addition, subtraction and equals signs.

Represent and use number bonds and related subtraction facts within 20.

Add and subtract one digit and two digit numbers to 20, including zero.

Solve one step problems that involve addition and subtraction, using concrete objects and pictorial representations and missing number problems.

Solve one step problems involving multiplication and division by calculating the answer using concrete objects, pictorial representations and arrays with the support of the teacher.

Recognise, find and name a half as one of two equal parts of an object, shape or quantity.

Recognise, find and name a quarter as one of four equal parts of an object, shape or quantity.

**Measurement**

Compare and describe and solve practical problems for lengths and weights.

Compare and describe and solve practical problems for mass and weights.

Compare and describe and solve practical problems for capacity and volume.

Compare and describe and solve practical problems for time.

Measure and begin to record lengths and heights.

Measure and begin to record mass and weight.

Measure and begin to record capacity and volume.

Measure and begin to record time.

Recognise and know the value of different denominations of coins and notes.

Sequence events in chronological order using language.

Recognise and use language relating to dates, including days of the week, weeks, months and years.

Tell the time to the hour and half past the hour and draw the hands on a clock face to show these times.

**Geometry**

Recognise and name common 2D shapes.

Recognise and name common 3D shapes.

Describe position, direction and movement, including whole, half, quarter and three quarter turns.

**Year 2**

**Number**

I can:

Count in steps of 2,3 and 5 from 0 and in tens from any number, forward and backwards.

Recognise the place value of each digit in a two digit number.

Identify, represent and estimate numbers using different representations, including the number line.

Compare and order numbers from 0 up to 100. I can use greater than, less than and equals sign.

Read and write numbers up to at least 100 in numerals and in words.

Use place value and number facts to solve problems.

Solve problems with addition and subtraction using concrete objects and pictorial representations, including numbers, quantities and measures.

Solve problems with addition and subtraction, applying my increasing knowledge of mental and written methods.

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.

Add and subtract numbers using concrete objects, pictorial representations and mentally, adding three numbers.

Show that addition of two numbers can be done in any order (commutative) and subtraction of one number cannot.

Recognise and use the inverse relationship between addition and subtraction and use this to check calculations involving missing numbers.

Recall and use multiplication and division facts for the numbers 2,5 and 10 multiplication tables including odd and even numbers.

Calculate mathematical statements for multiplication and division within the multiplication tables.

Show that multiplication of two numbers can be done in any order (commutative) but division cannot.

Solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, multiplication and division facts. I can solve problems in contexts.

Recognise, find, name and write fractions (1/3 1/4, 2/4, ¾) of a length, shapes, sets of objects or quantities.

Write simple fractions for example ½ 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 and height in any direction within mass (kg/g) temperature (degree C) capacity (litres/ml) to the nearest appropriate unit, using rulers, scales and measuring vessels.

Compare and order lengths, mass, volume and capacity and record the results using the symbols greater than, less than and =.

Recognise and use symbols for pounds and pence and 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 the addition and subtraction of money of the same unit. I can give change.

Compare and sequence intervals of time.

Tell and write the time to within five minutes, including quarter past and to the hour. I can 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**

Identify and describe the properties of 2D shapes, including the number of sides and lines of symmetry in a vertical line.

Identify and describe properties of 3D shapes, including the number of edges, vertices and faces.

Identify 2D shapes, on the surface of 3D shapes (for example a circle on a cylinder and a triangle on a pyramid).

Compare and sort common 2D and 3D 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. I can distinguish between rotation as a turn and in terms of right angles for quarter, half and three quarter turns.

**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.