



**In Maths we would like your children to be able to do the following independently by the end of the school year. Your support in helping your children reach these milestones would be much appreciated.**

## **Number and place value**

I can count in steps of 2, 3, and 5 from 0, and in tens from any number, forward and backward

I can recognise the place value of each digit in a two-digit number (tens, ones)

I can identify, represent and estimate numbers using different representations, including the number line

I can compare and order numbers from 0 up to 100

I can use  $q$ ,  $G$  and  $=$  signs

I can read and write numbers to at least 100 in numerals and in words

I can use place value and number facts to solve problems.

## **Addition and Subtraction**

I can solve problems with addition and subtraction: using concrete objects and pictorial representations, including those involving numbers, quantities and measures

I can recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100

I can add and subtract numbers using concrete objects and pictorial representations - a two-digit number and ones, a two-digit number and tens, two two-digit numbers, adding three one-digit numbers

I can add and subtract numbers mentally, including: a two-digit number and ones, a two-digit number and tens, two two-digit numbers, adding three one-digit numbers

I can show that addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot

I can recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems.

## **Multiplication and Division**

I can recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables,

I can recognise odd and even numbers

I can calculate mathematical statements for multiplication and division within the multiplication tables

I can write mathematical statements using the multiplication ( $\times$ ), division ( $\div$ ) and equals ( $=$ ) signs

I can show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot

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

## **Fractions**

I can recognise, find, name and write fractions  $\frac{1}{3}$ ,  $\frac{1}{4}$ ,  $\frac{2}{4}$  and  $\frac{3}{4}$  of a length, shape, set of objects or quantity

I can write simple fractions for example,  $\frac{1}{2}$  of 6 = 3 and recognise the equivalence of  $\frac{2}{4}$  and  $\frac{1}{2}$

## **Measurement**

I can choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm); mass (kg/g); temperature ( $^{\circ}\text{C}$ ); capacity (litres/ml) to the nearest appropriate unit, using rulers, scales, thermometers and measuring vessels

I can compare and order lengths, mass, volume/capacity and record the results using G, q and =

I can recognise and use symbols for pounds (£) and pence (p);

I can combine amounts of money to make a particular value

I can find different combinations of coins that equal the same amounts of money

I can solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change

I can compare and sequence intervals of time

I can 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

I know the number of minutes in an hour and the number of hours in a day

## **Geometry**

I can identify and describe the properties of 2-D shapes, including the number of sides and line symmetry in a vertical line

I can identify and describe the properties of 3-D shapes, including the number of edges, vertices and faces

I can identify 2-D shapes on the surface of 3-D shapes

I can compare and sort common 2-D and 3-D shapes and everyday objects

Geometry – position and direction

I can order and arrange combinations of mathematical objects in patterns and sequences

I can 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 (clockwise and anti-clockwise)

## **Statistics**

I can interpret and construct simple pictograms, tally charts, block diagrams and simple tables

I can ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity

I can ask and answer questions about totalling and comparing categorical data.