Maths curriculum objectives – year 3 spring term

As part of our COVID 19 recovery curriculum we will be revisiting many of the Year 2 National Curriculum objectives to ensure that the children are secure in their understanding of number. Once children are secure in these objectives we cover the year 3 objectives as outlined below. Maths is also covered in cross-curricular topics especially through Science and Computing.

Multiplication and Division

Year 2 objectives

Solve problems involving multiplication and division, using concrete materials and mental methods

Solve problems involving multiplication and division, using arrays, repeated addition and multiplication and division facts, including problems in contexts e.g. knowing that $2 \times 7 = 14$ and $2 \times 8 = 16$, explains that making pairs of socks from 15 identical socks will give 7 pairs and one sock will be left

Year 3 objectives:

Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables

Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods.

Solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which n objects are connected to m objects.

Measurement

Money

Year 2 objectives

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

Year 3 objectives

Add and subtract amounts of money to give change, using both £ and p in practical contexts.

Length

Year 2 objectives

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 =.

Year 3 objectives

Measure, compare, add and subtract: lengths (m/ cm/mm); mass (kg/g); volume/capacity (l/ml)

Measure the perimeter of simple 2-d shapes

Statistics

Interpret and present data using bar charts, pictograms and tables.

Solve one-step and two-step questions [for example, 'how many more?' and 'how many fewer?'] using information presented in scaled bar charts and pictograms and tables.

Number: Fractions

Year 2 objectives:

Recognise, find, name and write fractions 1/3, 1/4, 2/4 and 3/4 of a length, shape, set of objects or quantity and demonstrate understanding that all parts must be equal parts of the whole.

Write simple fractions for example, 1/2 of 6 = 3 and recognise the equivalence of 2/4 and ½.

Year 3 objectives:

Recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators

Count up and down in tenths; recognise that tenths arise from dividing an object into 10 equal parts and in dividing one-digit numbers or quantities by 10.

Compare and order unit fractions, and fractions with the same denominators.

Solve problems involving unit and non-unit fractions

(Further work on fractions will be covered in the summer term)