

## **Maths (other)**

### **Measurement**

- I can solve problems involving the calculation and conversion of units of measure, using decimal notation up to three places if I need to.
- I can use, read, write and convert between standard units.
- I can convert measurement of length, mass, volume and time from a smaller unit to a larger unit and vice versa.
- I can do this using decimal notation up to the three decimal places.
- I can convert between miles and kilometres.
- I can recognise that shapes with the same areas can have different perimeters and vice versa.
- I can recognise when it is possible to use formulae to find the areas or volumes of shapes.
- I can calculate the areas of parallelograms and triangles.
- I can calculate, estimate and compare volumes of cubes and cuboids using standard units, including cubic centimetres ( $\text{cm}^3$ ), and cubic metres ( $\text{m}^3$ ). I can extend this to other units e.g.  $\text{mm}^3$  and  $\text{km}^3$ .

### **Ratio and Proportion**

- I can solve problems that involve the relative sizes of two things where the missing number can be found by multiplying or dividing by whole numbers.
- I can solve problems involving the calculation of percentages. I can also use percentages for comparisons.
- I can solve problems involving shapes where the scale factor is known or can be found.
- I can solve problems involving unequal sharing and grouping. I can use my knowledge of fractions and multiples to do this.

### **Position and Direction**

- I can describe positions in all four quadrants on a full coordinate graph.
- I can draw and translate simple shapes on the coordinate plane and reflect these in the axis.

### **Properties of Shape**

- I can draw 2-D shapes using dimensions and angles I am given.
- I can recognise, describe and build simple 3-D shapes, including making nets.

- I can compare and classify geometric shapes based on their properties and sizes. I can also find unknown angles in any triangles, quadrilaterals or regular polygons.
- I can illustrate and name parts of circles, including radius, diameter and circumference. I know that the diameter is twice the radius.
- I can recognise angles where they meet at a point, are on a straight line or are vertically opposite. I can then find any missing angles.

### **Statistics**

- I can interpret and construct pie charts and line graphs.
- I can use these to solve problems.
- I can calculate and interpret the mean as an average.

### **Algebra**

- I can use simple formulae.
- I can create and describe linear number sequences.
- I can record missing number problems algebraically.
- I can find pairs of numbers which complete an equation with two unknowns.
- I can create a list of possibilities of the combination of two variables