

## Year 5 Block C Mathematics Overview

2023-24

<b>Number:</b> Decimals	<b>Geometry:</b> Properties of Shape	<b>Geometry:</b> Position & Direction	<b>Measurement:</b> Converting Units	<b>Measurement:</b> Volume & Capacity
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### Number: Decimals

- Solve problems involving number up to three decimal places.
- Multiply and divide whole numbers and those involving decimals by 10, 100 and 1000.
- Use all four operations to solve problems involving measure [for example, length, mass, volume, money] using decimal notation, including scaling.

### Geometry: Properties of Shapes

- Identify 3D shapes, including cubes and other cuboids, from 2D representations.
- Use the properties of rectangles to deduce related facts and find missing lengths and angles.
- Distinguish between regular and irregular polygons based on reasoning about equal sides and angles.
- Know angles are measured in degrees: estimate and compare acute, obtuse and reflex angles.
- Draw given angles, and measure them in degrees (o).
- Identify: angles at a point and one whole turn (total 360 degrees), angles at a point on a straight line and  $\frac{1}{2}$  a turn (total 180 degrees), other multiples of 90 degrees.

### Geometry: Position & Direction

- Identify, describe and represent the position of a shape following a reflection or translation, using the appropriate language, and know that the shape has not changed.

### Measurement: Converting Units

- Convert between different units of metric measure [for example, km and m; cm and m; cm and mm; g and kg; l and ml].
- Understand and use approximate equivalences between metric units and common imperial units such as inches, pounds and pints.
- Solve problems involving converting between units of time.

### Measurement: Volume & Capacity

- Estimate volume [for example using 1cm<sup>3</sup> blocks to build cuboids (including cubes)] and capacity [for example, using water].
- Use all four operations to solve problems involving measure.