

## YEAR 4 MATHS

**During Year 4 a child will perform the following:**

### **Number and place value**

- Counts in multiples of six, seven, nine, 25 and 1,000.
- Counts backwards through zero to include negative numbers.
- Orders and compares numbers beyond 1,000.
- Rounds any number to the nearest 10, 100 or 1,000.

### **Addition and subtraction**

- Solves addition and subtraction two-step problems in context, deciding which operations and methods to use and why.

### **Multiplication and division**

- Recalls multiplication and division facts for multiplication tables up to 12 x 12.

### **Fractions (including decimals)**

- Recognises and shows, using diagrams, families of common equivalent fractions.
- Counts up and down in hundredths; recognises that hundredths arise when dividing an object by 100 and dividing tenths by 10.
- Rounds decimals with one decimal place to the nearest whole number.
- Solves simple measure and money problems involving fractions and decimals to two decimal places.

### **Measurement**

- Converts between different units of measure e.g. kilometre to metre; hour to minute.

### **Geometry: properties of shape**

- Compares and classifies geometric shapes, including quadrilaterals and triangles, based on their properties and sizes.
- Identifies lines of symmetry in two dimensional shapes presented in different orientations.

### **Geometry: position and direction**

- Plots specified points and draws sides to complete a given polygon.

### **Statistics**

- Solves comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs.

**By the end of Year 4 they will:**

**With reference to the KPIs**

- By the end of Y4, a child should be fluent with whole numbers and the four operations, including number facts and the concept of place value.
- A child will be developing efficient written and mental methods and performing calculations accurately with increasingly large whole numbers.
- A child can:
  - solve a range of problems including those with simple fractions and decimal place value;
  - draw shapes with accuracy using mathematical reasoning and analyse shapes and their properties, confidently describing the relationships between them;
  - use measuring instruments accurately, making connections between measure and number;
  - recall the multiplication tables up to and including the 12 multiplication table and show precision and fluency in the work; and
  - read and spell mathematical vocabulary correctly and confidently using a growing word reading knowledge and a knowledge of spelling.