

## YEAR 3 MATHS

**During Year 3 a child will perform the following:**

### **Number and place value**

- Counts from 0 in multiples of four, eight, 50 and 100.
- Can work out if a given number is greater or less than 10 or 100.
- Recognises the place value of each digit in a three-digit number (hundreds, tens, and ones).
- Solves number problems and practical problems involving these ideas.

### **Addition and subtraction**

- Adds and subtracts numbers mentally including:
  - a three-digit number and ones;
  - a three-digit number and tens; and
  - a three-digit number and hundreds.

### **Multiplication and division**

- Recalls and uses multiplication and division facts for the multiplication tables:
  - three;
  - four; and
  - eight.
- Writes and calculates mathematical statements for multiplication and division using the multiplication tables that are known including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods.

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

- Counts up and down in tenths; recognises that tenths arise from dividing an object into 10 equal parts and in dividing one-digit numbers or quantities by 10.
- Recognises, finds and writes fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators.
- Recognises and shows, using diagrams, equivalent fractions with small denominators.

### **Measurement**

- Measures, compares, adds and subtracts lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml).
- Adds and subtracts amounts of money to give change, using both £ and p in practical contexts.
- Tells and writes the time from an analogue clock and 12-hour and 24-hour clocks
- Identifies right angles, recognises that two right angles make a half-turn, three make three quarters of a turn and four a complete turn; identifies whether angles are greater than or less than a right angle.

### **Statistics**

- Interprets and presents data using bar charts, pictograms and tables.

**By the end of Year 3 they will:**

**With reference to the KPIs**

- By the end of Y3, a child will be developing written and mental methods using the four operations including number facts and the concept of place value, and performing calculations with whole numbers
- A child can:
  - solve a range of number and place value problems;
  - compare different shapes with reference to its angles;
  - use measuring instruments, making reference to their units of measure;
  - tell the time accurately;
  - recall the majority of the multiplication tables; and
  - read and spell mathematical vocabulary correctly and confidently, using growing word reading knowledge and knowledge of spelling.
- A child is able to read and write simple fractions and decimals.