



## **Maths**

### **By the end of Year 5 children should be able to**

#### **Count**

Count forwards and backwards with positive and negative whole numbers through zero and interpret negative numbers in context.

#### **Represent numbers**

Read and write numbers in 100,000s and to 2 decimal places and determine the value of each digit.

Multiply and divide whole numbers and those involving decimals by 10, 100 and 1000.

#### **Round numbers**

Round any number up to 6 digits to the nearest 10, 100, 1000, 10 000 and 100,000.

#### **Use written calculation**

Add and subtract whole numbers with more than 4 digits and numbers with up to 2 decimal places using efficient methods.

Multiply numbers up to 4 digits by a one- or two-digit number using a formal written long multiplication method.

Divide numbers up to 4 digits by a one-digit number using formal written method of short division and interpret remainders appropriately for the context.

#### **Recall**

Identify multiples and factors, including all factor pairs of a number, and common factors of 2 numbers

#### **Solve problems**

Solve multi-step number and practical problems (including measure) involving addition, subtraction, multiplication and division, and combinations of these, using the Year 5 curriculum.

Solve problems involving time using a number line.

#### **Use fractions, decimals and percentages as numbers**

Use equivalents to compare and order fractions whose denominators are all multiples of the same number.

Use equivalents to add and subtract fractions where denominators are part of the same family of numbers.

#### **Convert fractions, decimals and percentages**

Use their knowledge of equivalent fractions to express fractions in their mixed or improper form.

Recognise and write decimal equivalents of any number of tenths or hundredths and  $\frac{1}{4}$ ;  $\frac{1}{2}$ .

#### **Solve fractions, decimals and percentages problems**

Find a fraction of an amount.