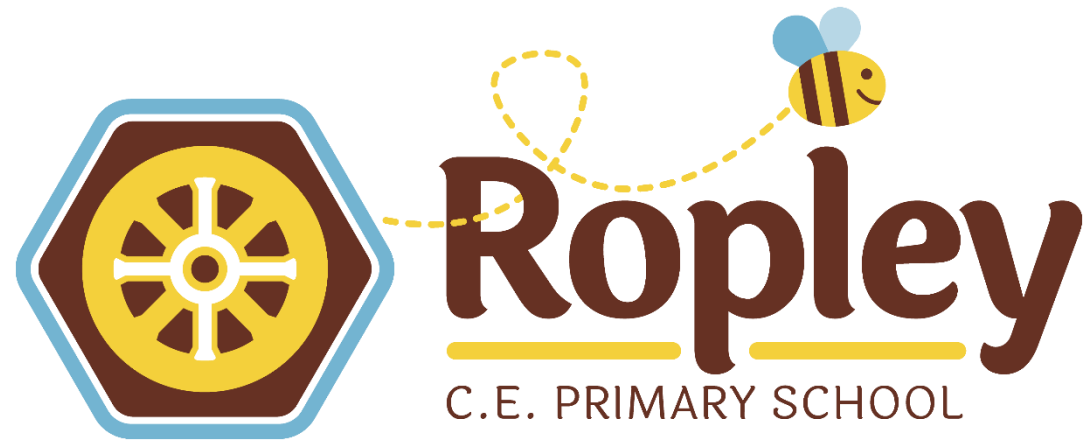




Year 5 Mathematics Overview

2026-2027



Year 5 Autumn

Place Value

- be able to write, order and compare numbers up to 1 000 000 and determine the value of each digit
- be able to round whole numbers to the nearest 10, 100, 1000, 10 000 and 100 000

Addition and subtraction

- be able to add and subtract whole numbers with more than 4 digits using formal written methods
- be able to add and subtract numbers mentally with increasingly large numbers

Multiplication and Division

- be able to identify multiples of a number
- be able to identify factors of a number
- be able to find common factors of two numbers
- be able to multiply and divide whole numbers by 10, 100 and 1000
- be able to use the formal methods of column addition and subtraction with more than 4 digits

Fractions

- be able to order and compare fractions by converting to the same denominator
- be able to convert from mixed order numbers to improper fractions
- be able to convert from improper fractions to mixed order numbers.
- be able to add and subtract fractions with the same denominator

Measurement

- be able to convert between different units of metric measure (e.g. kilometre and metre; centimetre and metre)
- be able to measure and calculate the perimeter of composite rectilinear shapes in centimetres and metres
- be able to calculate and compare the area of rectangles
- be able to solve problems involving converting between units of time

Geometry

- be able to identify 3-D shapes, including cubes and other cuboids, from 2-D representations
- know angles are measured in degrees
- be able to estimate and compare acute, obtuse and reflex angles
- be able to identify angles at a point and one whole turn

Year 5 Spring



Place Value

- be able to count forwards or backwards in steps of powers of 10 for any given number up to 1 000 000
- be able to count forwards and backwards through 0
- be able to round decimals to the nearest whole number (if applicable to class)*
- be able to round decimals to one decimal place (if applicable to class)*
- be able to use rounding to check answers to calculations and determine levels of accuracy
- be able to interpret negative number in context

Four Operation

- be able to use rounding to check answers to calculations and determine levels of accuracy.
- be able to explain what a prime number is
- be able to explain what prime factor means
- be able to explain what a composite number is
- be able to use the formal method of long multiplication
- be confident using short division
- be able to recognise and use square numbers
- be able to use the formal methods of column addition and subtraction with more than 4 digits

Fractions

- be able to identify, name and write equivalent fractions of a given fraction, represented visually including tenths and hundredths
- start to add and subtract fractions with different denominators
- be able to write decimal numbers as fractions (e.g. $0.71 = \frac{71}{100}$)
- be able to recognise the per cent symbol (%)
- be able to start to solve percentage and decimal equivalents of $\frac{1}{2}$, $\frac{1}{4}$, $\frac{1}{5}$, $\frac{2}{5}$, $\frac{4}{5}$

Measurement/Geometry

- be able to draw given angles and measure them in degrees
- be able to identify angles on a straight line and know these equate to 180 degrees
- start to use all four operations to solve problems involving measure (e.g. length, mass, volume, money) using decimal notation, including scaling

Statistics

- be able to solve comparison, sum and difference problems using information presented in a line graph
- be able to complete, read and interpret information in tables, including timetables

Year 5 Summer

Place Value

- be able to read Roman numerals to 1000 (M) and recognise years written in Roman numeral
- be able to solve number problems and practical problems that involve all of the place value objectives

Four Operation

- be able to work out whether a number up to 100 is prime
- be able to recall all prime numbers up to 19
- be confident using long multiplication
- start to understand the process of long division
- be able to multiply and divide whole numbers and decimals by 10, 100 and 1000
- be able to understand what is meant by a cube number
- be able to solve multi- step problems in contexts, including understanding the meaning of the equals sign
- be able to solve problems involving multiplication and division including scaling by simple fractions and problems involving simple rates

Fractions

- be able to multiply proper fractions and mixed numbers by whole numbers
- be able to recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents
- be able to round decimals to the nearest whole number and to one decimal place
- be able to read, write, order and compare numbers with up to 3 decimal places
- be able to solve problems involving numbers up to 3 decimal places

Measurement/Geometry

- understand and use equivalences between metric units and common imperial units such as inches, pounds and pints
- be able to estimate volume (e.g. using 1 cm³ blocks to build cubes and cuboids) and capacity
- be able to use the properties of rectangles to deduce related facts and find missing lengths and angles
- be able to distinguish between regular and irregular polygons based on reasoning about equal sides and angles
- be able to identify, describe and represent the position of a shape following a reflection or translation