

EYFS & KS1

RECEPTION:

- Count reliably to 10 and identify numerals 0-10.
- Subitise up to 5 objects in different arrangements.
- Understand number bonds within and up to 10 (e.g. $3 + 2 = 5$).
- Solve addition and subtraction problems using numbers to 10.
- Compare groups of objects using terms like "more," "fewer," and "equal."
- Recognise and name common 2D shapes (circle, triangle, square, rectangle).
- Recognise, create, and extend simple repeating patterns.
- Explore and compare length, weight, and capacity using everyday language (e.g., longer, heavier, full).

YEAR 1:

- Count, read, and write numbers to 100.
- Order and compare numbers within 100, including identifying one more and one less.
- Count in multiples of 2, 5, and 10.
- Recall and use number bonds to 10 and 20.
- Solve simple addition and subtraction problems within 20.
- Begin to understand multiplication and division through grouping and sharing.
- Recognise, name, and describe properties of 2D shapes (sides, corners) and 3D shapes (faces, edges, vertices).
- Measure and compare length, weight, and capacity using non-standard and standard units.
- Recognise and use coins and notes in simple money problems.
- Tell the time to the hour and half-hour.

YEAR 2:

- Recognise, read, and write numbers up to 100, including understanding place value (tens and ones).
- Add and subtract two-digit numbers using formal written and mental methods.
- Recall and use multiplication and division facts for the 2, 5, and 10 times tables.
- Solve problems involving multiplication, division, and simple fractions ($1/2$, $1/4$, $1/3$).
- Identify and describe the properties of 2D shapes (number of sides, lines of symmetry) and 3D shapes (number of faces, edges, vertices).
- Measure and compare length, mass, and capacity using standard units (e.g., cm, g, ml).
- Use and compare units of time (hours, minutes, seconds) and tell the time to the nearest five minutes.
- Solve one- and two-step word problems involving the four operations and money.

KS2

YEAR 3:

- Understand numbers up to 1,000, including counting in multiples of 4, 8, 50, and 100, and rounding to the nearest 10 or 100.
- Add and subtract numbers up to three digits using formal written methods and estimate answers using inverse operations.
- Recall and use the 3, 4, and 8 times tables to solve multiplication and division problems, including scaling.
- Work with fractions as part of a whole, count in tenths, and add and subtract fractions with the same denominator within one whole.
- Measure and compare lengths, mass, volume, and time, telling the time to the nearest minute.
- Identify properties of 2D and 3D shapes and interpret simple bar charts, pictograms, and tables.

YEAR 4:

- Work with numbers up to 10,000, including counting in multiples of 6, 7, 9, 25, and 1,000, rounding numbers to the nearest 10, 100, or 1,000, and recognising negative numbers in context.
- Add and subtract up to 4 digits using formal written methods and solve multi-step problems.
- Know all times tables up to 12×12 , multiply two- and three-digit numbers by a one-digit number, and solve problems involving factors and multiples.
- Recognise and write equivalent fractions, add and subtract fractions with the same denominator, and understand decimals up to two decimal places.
- Convert units of measurement, calculate perimeter and area of shapes, and interpret time-related problems.
- Identify acute, obtuse, and right angles and classify shapes by properties such as symmetry or parallel and perpendicular lines.

YEAR 5:

- Understand numbers up to 1,000,000, including rounding and using negative numbers in calculations.
- Add and subtract numbers with more than 4 digits, solving multi-step problems efficiently.
- Multiply up to four digits by one- or two-digit numbers and divide up to four digits by one-digit numbers using formal written methods.
- Work with fractions, including converting improper fractions and mixed numbers, adding and subtracting with denominators that are multiples, and solving problems with percentages and decimals.
- Convert between metric and imperial units and calculate the volume, perimeter, and area of 3D shapes.

- Measure angles, solve problems with rectangles and polygons, and interpret line graphs and timetables.

YEAR 6:

- Work with numbers up to 10,000,000, including understanding negative numbers and calculating across zero.
- Solve multi-step problems with addition, subtraction, multiplication, and division, including long multiplication and division for multi-digit numbers.
- Add, subtract, multiply, and divide fractions and solve problems with ratio, scaling, and percentages, converting between fractions, decimals, and percentages.
- Use all metric and imperial units to solve problems involving area, perimeter, and volume.
- Translate shapes in all four quadrants, describe 3D shapes, and interpret pie charts and calculate averages.