

Mathematics in Year 4

By the end of the year it is expected that children will be able to:

Place Value

- ✓ count in multiples of 6, 7, 9, 25 and 1000.
- ✓ find 1000 more or less than a given number
- ✓ count backwards including using negative numbers
- ✓ understand the place value of digits in 4 digit numbers.
- ✓ order and compare numbers above 1000
- ✓ round any number to the nearest 10, 100 or 1000

Calculations

- ✓ add and subtract numbers with up to 4 digits using standard column methods
- ✓ solve 2 step problems involving addition and subtraction
- ✓ know multiplication and division facts up to 12×12
- ✓ multiply 2 digit and 3 digit numbers by a one digit number using the standard written method
- ✓ recognise and use pairs of factors to solve mental calculations

Fractions

- ✓ use diagrams to show equivalent fractions
- ✓ count forward and backwards in hundredths
- ✓ add and subtract fractions with the same denominator
- ✓ recognise and write decimal equivalent for $\frac{1}{2}$, $\frac{1}{4}$, $\frac{3}{4}$
- ✓ round decimals with 1 decimal place to the nearest whole number
- ✓ compare numbers with up to 2 decimal places

Measurement

- ✓ convert between different units of measure such as kilometres to meters and hours to minutes.
- ✓ measure and calculate the perimeter of shapes using squares and rectangles.
- ✓ find the area of rectangular shapes by counting the squares.
- ✓ read, write and convert between analogue and digital 12 and 24 hour clocks.
- ✓ solve problems involving converting units of time, including seconds, minutes, hours, days, months and years.

Geometry

- ✓ compare and classify shapes including triangles and quadrilaterals.
- ✓ identify acute and obtuse angles
- ✓ identify lines of symmetry in 2-D shapes and draw reflected shapes
- ✓ use co-ordinates to describe position on a standard grid
- ✓ describe the movements of shapes on a grid using left, right, up and down measurements.

Statistics

- ✓ draw and interpret simple charts and graphs using discrete and continuous data.
- ✓ answer questions about data presented in different ways.