

The Mathematics skills taught at Callowell

- Y1 Read and write numbers from 1 to 20 in numerals and in words
- Y1 Count to and across 100, forwards and backwards from any given number
- Y1 Count from zero in multiples of 2, 5 and 10
- Y1 Add and subtract a two-digit number and a one-digit number up to 20
- Y1 Solve one-step multiplication and division problems by using concrete objects and pictorial representations
- Y1 Write addition and subtraction statements using the symbols '+', '-' and '='
- Y1 Recognise and name the fractions $\frac{1}{2}$ and $\frac{1}{4}$
- Y1 Tell the time to the hour, and half past the hour, using an analogue clock
- Y1 Sequence events in chronological order
- Y1 Use the comparative vocabulary of length, mass, capacity and time
- Y1 Recognise and name rectangles (including squares), circles and triangles
- Y1 Recognise and name cuboids (including cubes), pyramids and spheres
- Y1 Describe position and movement
- Y2 Read and write numbers up to 100 in numerals and in words
- Y2 Compare and order whole numbers up to 100
- Y2 Count from zero in multiples of 2, 3 and 5
- Y2 Count in tens from any number, forwards and backwards
- Y2 Add & subtract numbers including a 2-digit number & ones, a 2-digit number & tens, two 2-digit numbers, three 1-digit numbers
- Y2 Derive addition and subtraction facts to 100 using known facts to 20

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- Y2 Write multiplication and division statements using correct symbols
- Y2 Understand that addition and multiplication of two numbers can be done in any order, and subtraction and division cannot
- Y2 Recognise and name the fractions $\frac{1}{3}, \frac{1}{4}, \frac{2}{4}, \frac{3}{4}$
- Y2 Tell the time to the nearest five minutes using an analogue clock, including 'quarter past' and 'quarter to'
- Y2 Use a ruler to measure lengths in millimetres and centimetres
- Y2 Identify and describe 2D and 3D shapes
- Y2 Use mathematical vocabulary to describe position, direction and movement
- Y3 Read and write numbers up to 1000 in numerals and in words
- Y3 Compare and order whole numbers up to 1000
- Y3 Count from zero in multiples of 4, 8, 50 and 100
- Y3 Add and subtract numbers mentally including a three-digit number and ones, tens and hundreds
- Y3 Use columnar addition and subtraction with numbers up to three digits
- Y3 Use known facts to multiply and divide mentally within the 2, 3, 4, 8 and 10 multiplication tables
- Y3 Multiply a two-digit number by a one-digit number
- Y3 Understand fractions as proportions
- Y3 Understand fractions as numbers
- Y3 Count forward and backwards in tenths
- Y3 Tell the time using analogue and digital 12-hour clocks
- Y3 Measure length (mm, cm, m), mass (g, kg) and capacity (ml, l)

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- Y3 Measure perimeters of shapes
- Y4 Round any number to the nearest 10, 100, 1000 and round a number with one decimal place to the nearest whole number
- Y4 Count backwards through zero
- Y4 Use columnar addition and subtraction with numbers up to four digits
- Y4 Multiply two- and three-digit numbers by a one-digit number
- Y4 Use known and derived facts to multiply and divide mentally
- Y4 Write any number of tenths or hundredths as a decimal
- Y4 Find families of common equivalent fractions
- Y4 Add and subtract fractions with the same denominator
- Y4 Find areas of rectilinear shapes by counting squares
- Y4 Use a line of symmetry to complete a symmetric shape or pattern
- Y4 Identify lines of symmetry in 2D shapes
- Y4 Use coordinates in the first quadrant
- Y4 Interpret and construct bar charts and time graphs
- Y5 Identify multiples and factors of a number
- Y5 Count forwards and backwards through zero
- Y5 Round to one decimal place
- Y5 Use columnar addition and subtraction with numbers of any size
- Y5 Multiply a three- or four-digit number by a two-digit number using long multiplication

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- Y5 Divide numbers up to four-digits by a single-digit number using short division and interpret the remainder
- Y5 Add and subtract fractions with denominators that are multiples of the same number
- Y5 Write decimals as fractions
- Y5 Understand that per cent relates to number of parts per hundred
- Y5 Convert between adjacent metric units of measure for length, capacity and mass
- Y5 Measure and draw angles
- Y5 Calculate the area of rectangles
- Y5 Distinguish between regular and irregular polygons
- Y6 Multiply and divide numbers with up to three decimal places by 10, 100, and 1000
- Y6 Use long division to divide numbers up to four digits by a two-digit number
- Y6 Use simple formulae expressed in words
- Y6 Generate and describe linear number sequences
- Y6 Use simple ratio to compare quantities
- Y6 Write a fraction in its lowest terms by cancelling common factors
- Y6 Add and subtract fractions and mixed numbers with different denominators
- Y6 Multiply pairs of fractions in simple cases
- Y6 Find percentages of quantities
- Y6 Solve missing angle problems involving triangles, quadrilaterals, angles at a point and angles on a straight line
- Y6 Calculate the volume of cubes and cuboids

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Y6 Use coordinates in all four quadrants

Y6 Calculate and interpret the mean as an average of a set of discrete data