



Year 1

End of Year Maths Expectations

- 1 Count to and across 100 from any number
- 2 Count, read and write numbers to 100 in numerals
- 3 Read and write mathematical symbols +, - and =
- 4 Identify one more and one less
- 5 Use number bonds and subtraction facts within 20
- 6 Add and subtract 1 digit and 2 digit numbers to 20 including zero
- 7 Recognise, find and name a half
- 8 Recognise, find and name a quarter
- 9 Measure and begin to record mass, length, volume and time
- 10 Recognise and record the value of all coins and notes
- 11 Use language to sequence events in chronological order
- 12 Recognise and use language relating to dates
- 13 Tell the time to the nearest half hour including drawing clocks
- 14 Recognise and name common 2D shapes
- 15 Recognise and name common 3D shapes

Year 2

End of Year Maths Expectations

- 1 Count in steps of 2s, 3s, 5s and 10s
- 2 Recognise place value in 2 digit numbers
- 3 Compare and order numbers less than 100 using $<$, $>$ and $=$
- 4 Recall and use addition and subtraction facts to 20 and derive related facts
- 5 Add and subtract 1 and 2 digit numbers mentally and with objects
- 6 Understand the inverse relationship between addition and subtraction
- 7 Know 2, 3 and 5 x table including recognising odd and even numbers
- 8 Calculate mathematical questions using the \times and \div
- 9 Recognise, find, name and write $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$, and $\frac{1}{3}$ of shape, size and quantity
- 10 Tell the time to the nearest half hour including drawing clocks
- 11 Combine amounts of money to make different values using the \pounds and p symbol
- 12 Tell time to the nearest 5 minutes including drawing clocks
- 13 Describe properties of 2D shapes including number of sides and symmetry
- 14 Describe properties of 3D shapes including numbers of edges, faces and vertices
- 15 Interpret and construct simple tables, tally charts and pictograms

Year 3

End of Year Maths Expectations

- 1 Count in multiples of 4, 8, 50 and 100
- 2 Compare and order numbers up to 1000
- 3 Compare and order numbers less than 100 using $<$, $>$ and $=$
- 4 Add and subtract numbers mentally including round numbers up to HTU
- 5 Add and subtract using standard column method
- 6 Estimate answers to questions and use the inverse to check
- 7 Know 3, 4 and 8 x tables
- 8 Count up and back in tenths
- 9 Understand that tenths are objectives or quantities split into 10 equal parts
- 10 Compare and order simple fractions
- 11 Recognise and show equivalent fractions
- 12 Find and write fractions of a set of objects
- 13 Add and subtract fractions with common denominators less than 1
- 14 Measure, compare and calculate using standard units.
- 15 Find and measure perimeters of simple 2D shapes
- 16 Add and subtract money including finding change
- 17 Tell and write the time from an analogue clock including using Roman numerals
- 18 Estimate and read time to the nearest minute
- 19 Identify horizontal, vertical, parallel and perpendicular lines
- 20 Identify whether angles are greater or less than a right angle
- 21 Interpret and present data using bar charts, tables and pictograms

Year 4

End of Year Maths Expectations

1	Count backwards through zero including negative numbers
2	Recognise place value in 4 digit numbers
3	Round any number to the nearest 10, 100 or 1000
4	Know tables facts up to 12 x 12
5	Use place value and number facts to carry out mental calculations
6	Use factor pairs and commutativity in mental calculations
7	Use the short multiplication method
8	Recognise and use hundredths
9	Recognise and write decimal equivalents to $\frac{1}{4}$, $\frac{1}{2}$ and $\frac{3}{4}$
10	Divide 1 or 2 digit numbers by 10 and 100 using tenths and hundredths
11	Round decimals with one decimal place to the nearest whole number
12	Compare numbers up to 2 decimal places
13	Convert between different units of metric measurement including money
14	Find the area of rectilinear shapes by counting squares
15	Solve problems converting units of time
16	Compare and classify shapes including quadrilaterals and triangles
17	Complete a specific geometric figure using specific lines of symmetry
18	Describe positions on a 2D grid using co-ordinates
19	Describe translations with a given unit using left / right / up or down
20	Interpret and present discrete and continuous data using appropriate graphs

Year 5

End of Year Maths Expectations

1	Interpret negative numbers in context
2	Read Roman numerals to 1000 including years
3	Recognise and use square and cubed numbers and know the notation
4	Use rounding to check answers and determine accuracy
5	Identify multiples and factors including finding factor pairs and common factors
6	Use vocabulary prime numbers, prime factors and composite numbers
7	Divide and multiply numbers by 10, 100 and 1000 including decimals
8	Know prime numbers up to 19
9	Recognise and write decimal equivalents to $\frac{1}{4}$, $\frac{1}{2}$ and $\frac{3}{4}$
10	Use long multiplication to multiply numbers up to 4 digits by 2 digits
11	Divide numbers using standard, written short division
12	Convert between mixed numbers and improper fractions
13	Compare and order fractions whose denominators are multiples of the same number
14	Multiply fractions and mixed numbers by whole numbers with support
15	Read and write decimal numbers as fractions
16	Round numbers with 2 decimal places to whole numbers or numbers with one decimal place
17	Read, write, order and compare numbers with up to 3 decimal places
18	Recognise % as a symbol and express it as a fraction with the denominator 100
19	Understand and use common approximate conversions between metric and imperial
20	Measure and calculate the perimeter of composite rectilinear shapes
21	Calculate the area of rectangles and estimate the area of irregular shapes
22	Use the properties of rectangles to find missing lengths and angles
23	Distinguish between regular and irregular shapes
24	Identify 3D shapes from 2D representations
25	Know angles are measured in degrees and compare acute, obtuse and reflex angles
26	Draw and measure angles to the nearest degree
27	Identify angles at a point, at a turn and on a straight line
28	Describe and represent the result of a reflection or a translation
29	Complete, read and interpret information in tables including timetables

Year 6

End of Year Maths Expectations

1	Interpret negative numbers to calculate numbers across zero
2	Use long division interpreting the remainder as appropriate
3	Use order of operations to carry out calculations
4	Use common factors to simplify fractions
5	Compare and order fractions of any size
6	Add and subtract fractions with different denominators and mixed numbers
7	Multiply simple pairs of mixed fractions
8	Divide proper fractions by whole numbers
9	Use written division with answers up to 2 decimal places
10	Calculate decimal fraction equivalents for simple fractions
11	Solve shape problems with similar shapes where the scale factor is known
12	Use simple formulae
13	Generate and describe linear number sequences
14	Express missing number problems algebraically
15	Convert units of measure between smaller and larger units
16	Convert between miles and kilometres
17	Calculate the area of parallelograms and triangles
18	Calculate and compare volume of cubes and cuboids
19	Illustrate and name parts of a circle
20	Find missing angles in triangles, quadrilaterals and regular polygons
21	Recognise vertically opposite angles and find missing angles
22	Describe positions on the full co-ordinate grid
23	Translate shapes in the co-ordinate grid and reflect in the axis
24	Construct and interpret pie charts
25	Calculate the mean as an average