

Key Learning in Mathematics:

EYFS:

Nursery	<ul style="list-style-type: none">· Say number names in order to 10;· Match numbers to quantities to 10;· Compare groups of objects recognising more and less.
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Reception	<ul style="list-style-type: none">· Put numbers in order to 20;· Say 1 more and one less than a given number to 20;· Add and subtract two single digit numbers;· Know that doubling is two sets of the same number;· Split a group in half.
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Key stage 1

Year 1	<ul style="list-style-type: none">· Count on and back in 1s, 2s, 5s and 10s from any given number to 100;· Recall all pairs of addition and subtraction number bonds to 20 and represent these using objects;· Given a number, identify one more / one less;· Read and write any number from 1-20 in numerals and words.
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Year 2	<ul style="list-style-type: none">· Recognise odd and even numbers to 100;· Compare and order numbers from 0 to 100 using the $>$, $<$ and $=$ signs;· Find simple fractional values of shapes or quantities: $\frac{1}{3}$, $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$;· Recall and use multiplication and division facts for the 2, 5 and 10x multiplication tables;· Add and subtract 2-digit numbers using an efficient method and explain the method verbally.
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Key stage 2

Year 3	<ul style="list-style-type: none">· Compare and order numbers to 1000 using the $>$, $<$ and $=$ signs;· Recall multiplication and division facts for 2, 3, 4, 5 and 8 and 10x multiplication tables;· Recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators;· Mentally add and subtract 2-digit numbers with speed;· Add and subtract 3-digit numbers using formal written methods;· Interpret two step problems and identify the calculations needed.
Year 4	<ul style="list-style-type: none">· Recall all multiplication and division facts to 12×12;· Round any number to the nearest 10, 100 or 1000 and decimals with one decimal place;· Know the value of digits in numbers up to 2 decimal places;· Interpret two step problems, identifying calculations needed and unit of measure in answer (if appropriate);· Become fluent in finding fractions of quantities including the use of non-unit fractions;· Confidently multiply and divide by 10 and 100;· Tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12-hour and 24-hour clocks.
Year 5	<ul style="list-style-type: none">· Know and understand place value to 1 million recognising the position of each digit;· Add and subtract whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction);· Solve problems involving multiplication and division, using their knowledge of factors and multiples, squares and cubes;· Multiply numbers up to 4 digits by a one- or two-digit number using a formal written method, including long multiplication for two-digit numbers;· Compare and order fractions whose denominators are all multiples of the same number;· Read, write, order and compare numbers with up to three decimal places and write them as fractions for [example, $0.71 = 71/100$];· Interpret problems which require knowing percentage and decimal equivalents of $1/2$, $1/4$, $1/5$, $2/5$, $4/5$ and those fractions with a denominator of a multiple of 10 or 25;· Know the fraction, decimal and percentage equivalents to: halves, thirds, quarters, fifths, eighths, tenths including non-unit fractions.
Year 6	<ul style="list-style-type: none">· Read, write, order and compare numbers up to 10 000 000 and determine the value of each digit;· Round any whole number to a required degree of accuracy;· Multiply and divide multi-digit numbers up to 4 digits by a two-digit whole number using the formal written method of long multiplication and division;· Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why;· Multiply and divide simple pairs of proper fractions, writing the answer in its simplest form;· Recall and use equivalences between simple fractions, decimals and percentages, including in different contexts;· Solve problems involving the calculation of percentages and the use of percentages for comparison;· Use simple formulae and express missing number problems algebraically;· Solve problems involving the calculation and conversion of units of measure, using decimal notation up to three decimal places where appropriate.