

Key Objectives for Year Five in Maths

Number
Number and Place Value
Count forwards and backwards with positive and negative whole numbers, including through zero
Read and write numbers to at least 1 000 000 and determine the value of each digit
Interpret negative numbers in context
Order and compare numbers to at least 1 000 000
Calculation
Add and subtract numbers mentally with increasingly large numbers
Solve calculation problems involving multiplication and division including using their knowledge of factors and multiples, squares and cubes
Solve problems involving scaling by simple fractions and problems involving simple rates
Identify multiples and factors, including all factor pairs of a number, and common factors of 2 numbers
Add and subtract whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction)
Fractions, decimals and percentages
Read and write decimal numbers as fractions
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
Solve problems which require knowing key percentage and decimal equivalents
Know percentage and decimal equivalents of $\frac{1}{2}$, $\frac{1}{4}$, $\frac{1}{5}$, $\frac{2}{5}$, $\frac{4}{5}$ and those with a denominator of a multiple of 10 or 25
Measurement
Convert between different units of metric measure
Measure the perimeter of composite rectilinear shapes
Calculate the perimeter of composite rectilinear shapes
Calculate and compare the area of rectangles
Geometry
Draw given angles, and measure them in degrees and draw shapes with sides measured to the nearest millimetre
Distinguish between regular and irregular polygons based on reasoning about equal sides and angles
Statistics
Interpret more complex tables, including timetables
Complete tables, including timetables