

Year 4

Number and Place Value	Addition and Subtraction	Multiplication and Division	Fractions	Measurements	Properties of Shape	Position and Direction
Count in multiples of 6, 7, 9, 25 and 1000	Add numbers with up to four digits using the formal method of columnar addition	Recall multiplication and division facts for multiplication tables up to 12×12	Recognise and show, using diagrams, families of common equivalent fractions	Convert between different units of measure e.g. kilometre to metre; hour to minute	Compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes	Describe positions on a 2-D grid as coordinates in the first quadrant
Find 1000 more or less than a given number	Estimate and use inverse operations to check answers to a calculation	Use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers	Count up and down in hundredths; recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten	Measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres	Identify acute and obtuse angles and compare and order angles up to two right angles by size	Describe movements between positions as translations of a given unit to the left/right and up/down
Count backwards through zero to include negative numbers	Subtract numbers with up to four digits using the formal method of columnar subtraction	Recognise and use factor pairs and commutativity in mental calculations	Solve problems involving increasingly harder fractions to calculate quantities, and fractions to divide quantities, including non-unit fractions where the answer is a whole number Add and subtract fractions with the same denominator	Find the area of rectilinear shapes by counting squares	Identify lines of symmetry in 2-D shapes presented in different orientations	Plot specified points and draw sides to complete a given polygon
Recognise the place value of each digit in a four-digit number (thousands, hundreds, tens, and ones)	Solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why	Multiply two-digit and three-digit numbers by a one-digit number using formal written layout	Recognise and write decimal equivalents of any number of tenths or hundredths	Estimate, compare and calculate different measures, including money in pounds and pence	Complete a simple symmetric figure with respect to a specific line of symmetry	Statistics Interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs
Order and compare numbers beyond 1000		Solve problems involving multiplying and adding, including using the distributive law to multiply two digit numbers by one digit, integer scaling problems and harder correspondence problems such as n objects are connected to m objects	Recognise and write decimal equivalents to $1/4$, $1/2$, $3/4$	Read, write and convert time between analogue and digital 12- and 24-hour clocks		Solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs

Identify, represent and estimate numbers using different representations including measures			Find the effect of dividing a one- or two-digit number by 10 and 100, identifying the value of the digits in the answer as ones, tenths and hundredths Round decimals with one decimal place to the nearest whole number	Solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days		
Round any number to the nearest 10, 100 or 1000			Compare numbers with the same number of decimal places up to two decimal places			
Read Roman numerals to 100 (I to C) and know that over time, the numeral system changed to include the concept of zero and place value			Solve simple measure and money problems involving fractions and decimals to two decimal places			