

Year 4 maths	
Objective	Strand
Count in multiples of 6, 7, 9, 25 and 1000	Number – number and place value
Find 1000 more or less than a given number	Number – number and place value
Count backwards through zero to include negative numbers	Number – number and place value
Recognise the place value of each digit in a four-digit number (thousands, hundreds, tens, and ones)	Number – number and place value
Order and compare numbers beyond 1000	Number – number and place value
Identify, represent and estimate numbers using different representations	Number – number and place value
Round any number to the nearest 10, 100 or 1000	Number – number and place value
Solve number and practical problems that involve all of the above and with increasingly large positive numbers	Number – number and place value
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	Number – number and place value
Add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate	Number – addition and subtraction
Estimate and use inverse operations to check answers to a calculation	Number – addition and subtraction
Solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why	Number – addition and subtraction
Recall multiplication and division facts for multiplication tables up to 12×12	Number – multiplication and division
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	Number – multiplication and division
Recognise and use factor pairs and commutativity in mental calculations	Number – multiplication and division
Multiply two-digit and three-digit numbers by a one-digit number using formal written layout	Number – multiplication and division
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	Number – multiplication and division
Recognise and show, using diagrams, families of common equivalent fractions	Number – fractions (including decimals)
Count up and down in hundredths; recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten	Number – fractions (including decimals)
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	Number – fractions (including decimals)
Add and subtract fractions with the same denominator	Number – fractions (including decimals)
Recognise and write decimal equivalents of any number of tenths or hundredths	Number – fractions (including decimals)
Recognise and write decimal equivalents to $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$	Number – fractions (including decimals)
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	Number – fractions (including decimals)
Round decimals with one decimal place to the nearest whole number	Number – fractions (including decimals)
Compare numbers with the same number of decimal places up to two decimal places	Number – fractions (including decimals)
Solve simple measure and money problems involving fractions and decimals to two decimal places	Number – fractions (including decimals)
Convert between different units of measure [for example, kilometre to metre; hour to minute]	Measurement
Measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres	Measurement
Find the area of rectilinear shapes by counting squares	Measurement
Estimate, compare and calculate different measures, including money in pounds and pence	Measurement
Read, write and convert time between analogue and digital 12- and 24-hour clocks	Measurement
Solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days	Measurement
Compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes	Geometry – properties of shapes
Identify acute and obtuse angles and compare and order angles up to two right angles by size	Geometry – properties of shapes
Identify lines of symmetry in 2-D shapes presented in different orientations	Geometry – properties of shapes
Complete a simple symmetric figure with respect to a specific line of symmetry	Geometry – properties of shapes
Describe positions on a 2-D grid as coordinates in the first quadrant	Geometry – position and direction
Describe movements between positions as translations of a given unit to the left/right and up/down	Geometry – position and direction
Plot specified points and draw sides to complete a given polygon	Geometry – position and direction
Interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs	Statistics
Solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs	Statistics