

Year 1 Coverage



Area of Coverage	Completed	Area of Coverage	Completed
Number and Place Value		Measurement	
Count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number		Compare, describe and solve practical problems for: lengths and height, mass/weight, capacity and volume, time	
Given a number, identify one more and one less		Measure and begin to record the following: lengths and height, mass/weight, capacity and volume, time	
Count, read and write numbers to 100 in numerals; count in multiples of twos, fives and tens		Recognise and know the value of different denominations of coins and notes	
Identify and represent numbers using objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least		Sequence events in chronological order using language [for example, before and after, next, first, today, yesterday, tomorrow, morning, afternoon and evening]	
Read and write numbers from 1 to 20 in numerals and words.		Recognise and use language relating to dates, including days of the week, weeks, months and years	
Addition and Subtraction		Tell the time to the hour and half past the hour and draw the hands on a clock face to show these times.	
Read, write and interpret mathematical statements involving addition (+), subtraction(−) and equals (=) signs		Properties of Shapes	
Represent and use number bonds and related subtraction facts within 20		Recognise and name common 2-D and 3-D shapes, including: 2-D shapes [for example, rectangles (including squares), circles and triangles], 3-D shapes [for example, cuboids (including cubes), pyramids and spheres].	
Add and subtract one-digit and two-digit numbers to 20, including zero		Position and Direction	
Solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as $7 = \square - 9$.		Describe position, direction and movement, including whole, half, quarter and three quarter turns.	
Multiplication and Division			
Solve one-step problems involving multiplication and division, by calculating the answer using concrete objects, pictorial representations and arrays with the support of the teacher.			
Fractions			
Recognise, find and name a half as one of two equal parts of an object, shape or quantity			
Recognise, find and name a quarter as one of four equal parts of an object, shape or quantity.			
Recognise, find and name a quarter as one of four equal parts of an object, shape or quantity.			

Year 2 Coverage



Area of Coverage	Completed	Area of Coverage	Completed
Number and Place Value		Calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (\times), division (\div) and equals (=) signs	
Count in steps of 2, 3, and 5 from 0, and in tens from any number, forward and backward		Show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot	
Recognise the place value of each digit in a two-digit number (tens, ones)		Solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts.	
Identify, represent and estimate numbers using different representations, including the number line		Fractions	
Compare and order numbers from 0 up to 100; use $<$, $>$ and $=$ signs		Recognise, find, name and write fractions $\frac{1}{3}$, $\frac{1}{4}$, $\frac{2}{4}$ and $\frac{3}{4}$ of a length, shape, set of objects or quantity	
Read and write numbers to at least 100 in numerals and in words		write simple fractions for example, $\frac{1}{2}$ of 6 = 3 and recognise the equivalence of $\frac{2}{4}$ and $\frac{1}{2}$	
Use place value and number facts to solve problems.		Measurement	
Addition and Subtraction		Choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm); mass (kg/g); temperature ($^{\circ}\text{C}$); capacity (litres/ml) to the nearest appropriate unit, using rulers, scales, thermometers and measuring vessels	
solve problems with addition and subtraction: using concrete objects and pictorial representations, including those involving numbers, quantities and measures applying their increasing knowledge of mental and written methods		Compare and order lengths, mass, volume/capacity and record the results using $>$, $<$ and $=$	
recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100		Recognise and use symbols for pounds (£) and pence (p); combine amounts to make a particular value	
add and subtract numbers using concrete objects, pictorial representations, and mentally, including: a two-digit number and ones, a two-digit number and tens, two two-digit numbers, adding three one-digit numbers		Find different combinations of coins that equal the same amounts of money	
show that addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot		Solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change	
Recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems.		compare and sequence intervals of time	
Multiplication and Division		Tell and write the time to five minutes, including quarter past/to the hour and draw the hands on a clock face to show these times	
Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers		Know the number of minutes in an hour and the number of hours in a day.	

Properties of Shapes		Statistics	
Identify and describe the properties of 2-D shapes, including the number of sides and line symmetry in a vertical line		Interpret and construct simple pictograms, tally charts, block diagrams and simple tables	
Identify and describe the properties of 3-D shapes, including the number of edges, vertices and faces		Ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity	
Identify 2-D shapes on the surface of 3-D shapes, [for example, a circle on a cylinder and a triangle on a pyramid]		Ask and answer questions about totalling and comparing categorical data.	
Compare and sort common 2-D and 3-D shapes and everyday objects.		Interpret and construct simple pictograms, tally charts, block diagrams and simple	
Position and Direction			
Order and arrange combinations of mathematical objects in patterns and sequences			
Use mathematical vocabulary to describe position, direction and movement, including movement in a straight line and distinguishing between rotation as a turn and in terms of right angles for quarter, half and three-quarter turns (clockwise and anticlockwise).			

Year 3 Coverage



Area of Coverage	Completed	Area of Coverage	Completed
Number and Place Value		Fractions	
Count from 0 in multiples of 4, 8, 50 and 100; find 10 or 100 more or less than a given number		Count up and down in tenths; recognise that tenths arise from dividing an object into 10 equal parts and in dividing one-digit numbers or quantities by 10	
Recognise the place value of each digit in a three-digit number (hundreds, tens, ones)		Recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators	
Compare and order numbers up to 1000		Recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators	
Identify, represent and estimate numbers using different representations		Recognise and show, using diagrams, equivalent fractions with small denominators	
Read and write numbers up to 1000 in numerals and in words		Add and subtract fractions with the same denominator within one whole	
Solve number problems and practical problems involving these ideas.		Compare and order unit fractions, and fractions with the same denominators	
Addition and Subtraction		Solve problems that involve all of the above.	
Add and subtract numbers mentally, including: a three-digit number and ones, a three-digit number and tens, a three-digit number and hundreds		Measurement	
Add and subtract numbers with up to three digits, using formal written methods of column addition and subtraction		Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml)	
Estimate the answer to a calculation and use inverse operations to check answers		Measure the perimeter of simple 2-D shapes	
Solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction.		Add and subtract amounts of money to give change, using both £ and p in practical contexts	
Multiplication and Division		Tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12-hour and 24-hour clocks	
Recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables		Estimate and read time with increasing accuracy to the nearest minute; record and compare time in terms of seconds, minutes and hours; use vocabulary such as o'clock, a.m./p.m., morning, afternoon, noon and midnight	
Write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods		Know the number of seconds in a minute and the number of days in each month, year and leap year	
Solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which n objects are connected to m objects.		Compare durations of events [for example to calculate the time taken by particular events or tasks].	

Properties of Shapes			
Draw 2-D shapes and make 3-D shapes using modelling materials; recognise 3-D shapes in different orientations and describe them			
Recognise angles as a property of shape or a description of a turn			
Identify right angles, recognise that two right angles make a half-turn, three make three quarters of a turn and four a complete turn; identify whether angles are greater			
Identify horizontal and vertical lines and pairs of perpendicular and parallel lines			
Statistics			
Interpret and present data using bar charts, pictograms and tables			
Solve one-step and two-step questions [for example, 'How many more?' and 'How many fewer?'] using information presented in scaled bar charts and pictograms and			

Year 4 Coverage



Area of Coverage	Completed	Area of Coverage	Completed
Number and Place Value		Multiply two-digit and three-digit numbers by a one-digit number using formal written layout	
Count in multiples of 6, 7, 9, 25 and 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.	
Find 1000 more or less than a given number		Fractions	
Count backwards through zero to include negative numbers		Recognise and show, using diagrams, families of common equivalent fractions	
Recognise the place value of each digit in a four-digit number (thousands, hundreds, tens, and ones)		Count up and down in hundredths; recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten.	
Order and compare numbers beyond 1000		Solve problems involving increasingly harder fractions to calculate quantities, and fractions to divide quantities, including non-unit fractions where the answer is a whole	
Identify, represent and estimate numbers using different representations		Add and subtract fractions with the same denominator	
Round any number to the nearest 10, 100 or 1000		Recognise and write decimal equivalents of any number of tenths or hundredths	
Solve number and practical problems that involve all of the above and with increasingly large positive numbers		recognise and write decimal equivalents to $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$	
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.		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	
Addition and Subtraction		Round decimals with one decimal place to the nearest whole number	
Add and subtract numbers with up to 4 digits using the formal written methods of column addition and subtraction where appropriate		Compare numbers with the same number of decimal places up to two decimal places	
Estimate and use inverse operations to check answers to a calculation		Solve simple measure and money problems involving fractions and decimals to two decimal places.	
Solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why.		Measurement	
Multiplication and Division		Convert between different units of measure [for example, kilometre to metre; hour to minute]	
Recall multiplication and division facts for multiplication tables up to 12 x 12		Measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres	
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		Find the area of rectilinear shapes by counting squares	

Estimate, compare and calculate different measures, including money in pounds and pence		Statistics	
Properties of Shapes		Interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs.	
Compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes		Solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs	
Identify acute and obtuse angles and compare and order angles up to two right angles by size			
Identify lines of symmetry in 2-D shapes presented in different orientations			
Complete a simple symmetric figure with respect to a specific line of symmetry.			
Position and Direction			
Describe positions on a 2-D grid as coordinates in the first quadrant			
Describe movements between positions as translations of a given unit to the left/right and up/down			
Plot specified points and draw sides to complete a given polygon.			

Year 5 Coverage



Area of Coverage	Completed	Area of Coverage	Completed
Number and Place Value		Multiply and divide numbers mentally drawing upon known facts	
Read, write, order and compare numbers to at least 1 000 000 and determine the value of each digit		Divide numbers up to 4 digits by a one-digit number using the formal written method of short division and interpret remainders appropriately for the context	
Count forwards or backwards in steps of powers of 10 for any given number up to 1 000 000		Multiply and divide whole numbers and those involving decimals by 10, 100 and 1000	
Interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers, including through zero		Fractions, Decimals and Percentages	
Round any number up to 1 000 000 to the nearest 10, 100, 1000, 10 000 and 100 000		Compare and order fractions whose denominators are all multiples of the same number	
Solve number problems and practical problems that involve all of the above		Identify, name and write equivalent fractions of a given fraction, represented visually, including tenths and hundredths	
Read Roman numerals to 1000 (M) and recognise years written in Roman numerals.		Recognise mixed numbers and improper fractions and convert from one form to the other and write mathematical statements > 1 as a mixed number	
Addition and Subtraction		Add and subtract fractions with the same denominator and denominators that are multiples of the same number	
Add and subtract whole numbers with more than 4 digits, including using formal written methods (column addition and subtraction)		Multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams	
Add and subtract numbers mentally with increasingly large numbers		Read and write decimal numbers as fractions	
Use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy		Recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents	
Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why.		Round decimals with two decimal places to the nearest whole number and to one decimal place	
Multiplication and Division		Read, write, order and compare numbers with up to three decimal places	
Identify multiples and factors, including finding all factor pairs of a number, and common factors of two numbers		Solve problems involving number up to three decimal places	
Know and use the vocabulary of prime numbers, prime factors and composite (nonprime) numbers		Recognise the per cent symbol (%) and understand that per cent relates to 'number of parts per hundred', and write percentages as a fraction with denominator 100, and as a decimal	
Establish whether a number up to 100 is prime and recall prime numbers up to 19		Solve problems which require knowing percentage and decimal equivalents of $\frac{1}{2}$, $\frac{1}{4}$, $\frac{1}{5}$, $\frac{2}{5}$, $\frac{4}{5}$ and those fractions with a denominator of a multiple of 10 or 25.	
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			

Measurement		Draw given angles, and measure them in degrees (o)	
Convert between different units of metric measure (for example, kilometre and metre; centimetre and metre; centimetre and millimetre; gram and kilogram; litre and millilitre)		Identify: angles at a point and one whole turn (total 360o) angles at a point on a straight line and ½ a turn (total 180o)	
Understand and use approximate equivalences between metric units and common imperial units such as inches, pounds and pints		Use the properties of rectangles to deduce related facts and find missing lengths and angles	
Measure and calculate the perimeter of composite rectilinear shapes in centimetres and metres		Distinguish between regular and irregular polygons based on reasoning about equal sides and angles.	
Calculate and compare the area of rectangles (including squares), and including using standard units, square centimetres (cm ²) and square metres (m ²) and estimate the area of irregular shapes		Position and Direction	
Estimate volume [for example, using 1 cm ³ blocks to build cuboids (including cubes) and capacity [for example, using water]		Identify, describe and represent the position of a shape following a reflection or translation, using the appropriate language, and know that the shape has not changed.	
Solve problems involving converting between units of time		Statistics	
Use all four operations to solve problems involving measure [for example, length, mass, volume, money] using decimal notation, including scaling.		Solve comparison, sum and difference problems using information presented in a line graph	
Properties of Shapes		Complete, read and interpret information in tables, including timetables	
Identify 3-D shapes, including cubes and other cuboids, from 2-D representations			
Know angles are measured in degrees: estimate and compare acute, obtuse and reflex angles			

Year 6 Coverage



Area of Coverage	Completed	Area of Coverage	Completed
Number and Place Value		Multiply simple pairs of proper fractions, writing the answer in its simplest form	
Read, write, order and compare numbers up to 10 000 000 and determine the value of each digit		Divide proper fractions by whole numbers	
Round any whole number to a required degree of accuracy		Associate a fraction with division and calculate decimal fraction equivalents [for example, 0.375] for a simple fraction [for example, 3/8]	
Use negative numbers in context, and calculate intervals across zero		Identify the value of each digit in numbers given to three decimal places and multiply and divide numbers by 10, 100 and 1000 giving answers up to three decimal places	
Solve number and practical problems that involve all of the above.			
Addition, Subtraction, Multiplication and Division		Ratio and Proportion	
Multiply multi-digit numbers up to 4 digits by a two-digit whole number using the formal written method of long multiplication		Solve problems involving the relative sizes of two quantities where missing values can be found by using integer multiplication and division facts	
Divide numbers up to 4 digits by a two-digit whole number using the formal written method of long division, and interpret remainders as whole number remainders, fractions, or by rounding, as appropriate for the context		Solve problems involving the calculation of percentages [for example, of measures, and such as 15% of 360] and the use of percentages for comparison	
Divide numbers up to 4 digits by a two-digit number using the formal written method of short division where appropriate, interpreting remainders according to the context		Solve problems involving similar shapes where the scale factor is known or can be found	
Perform mental calculations, including with mixed operations and large numbers		Solve problems involving unequal sharing and grouping using knowledge of fractions and multiples.	
Identify common factors, common multiples and prime numbers		Algebra	
Use their knowledge of the order of operations to carry out calculations involving the four operations		Use simple formulae	
Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why		Generate and describe linear number sequences	
Fractions, Decimals and Percentages		Express missing number problems algebraically	
Use common factors to simplify fractions; use common multiples to express fractions in the same denomination		Find pairs of numbers that satisfy an equation with two unknowns	
Compare and order fractions, including fractions > 1			
Add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions			

Measurement		Compare and classify geometric shapes based on their properties and sizes and find	
Solve problems involving the calculation and conversion of units of measure, using decimal notation up to three decimal places where appropriate		Unknown angles in any triangles, quadrilaterals, and regular polygons	
Use, read, write and convert between standard units, converting measurements of length, mass, volume and time from a smaller unit of measure to a larger unit, and vice versa, using decimal notation to up to three decimal places		Illustrate and name parts of circles, including radius, diameter and circumference and know that the diameter is twice the radius	
Convert between miles and kilometres		Recognise angles where they meet at a point, are on a straight line, or are vertically opposite, and find missing angles.	
Recognise that shapes with the same areas can have different perimeters and vice versa		Position and Direction	
Recognise when it is possible to use formulae for area and volume of shapes		Describe positions on the full coordinate grid (all four quadrants)	
Calculate the area of parallelograms and triangles		Draw and translate simple shapes on the coordinate plane, and reflect them in the	
Calculate, estimate and compare volume of cubes and cuboids using standard units, including cubic centimetres (cm ³) and cubic metres (m ³), and extending to other units[for example, mm ³ and km ³].		Statistics	
Properties of Shapes		Interpret and construct pie charts and line graphs and use these to solve problems	
Draw 2-D shapes using given dimensions and angles		Calculate and interpret the mean as an average.	
Recognise, describe and build simple 3-D shapes, including making nets			