

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
UNIT I	<ul> <li>Count in multiples of 2 to 9, 25, 50, 100 and 1000.</li> <li>Find 1000 more or less than a given number.</li> <li>Count backwards through zero to include negative numbers.</li> <li>Identify, represent and estimate numbers using different representations.</li> <li>Recognise the place value of each digit in a four-digit number. (thousands, hundreds, tens, and ones)</li> <li>Round any number to the nearest 10, 100 or 1000.</li> <li>Order and compare numbers beyond 1000.</li> <li>Solve number and practical problems with increasingly large positive numbers.</li> </ul>	<ul> <li>Number, Wattiply and</li> <li>Divide <ul> <li>Solve problems involving multiplying and</li> <li>dividing, including using the</li> <li>distributive law to multiply</li> <li>two digit numbers by one</li> <li>digit, integer scaling</li> <li>problems and harder</li> <li>correspondence problems</li> <li>(such as n objects</li> <li>are connected to m objects).</li> <li>Multiply two-digit and</li> <li>three-digit numbers by a one-digit number using formal</li> <li>written layout.</li> <li>Use place value, known and</li> <li>derived facts to multiply</li> <li>and divide mentally,</li> <li>including: multiplying by 0</li> <li>and 1; dividing by 1;</li> <li>multiplying together three</li> <li>numbers.</li> <li>Recognise and use factor</li> <li>pairs and commutativity in</li> <li>mental calculations.</li> <li>Recognise and use the</li> <li>inverse relationship</li> <li>between multiplication and</li> <li>division and use this to</li> <li>check calculations and solve</li> <li>missing number problems</li> <li>Recall multiplication and</li> <li>division facts for</li> <li>multiplication tables up to 12</li> <li>× 12.</li> </ul></li></ul>	<ul> <li>Recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators.</li> <li>Recognise and use fractions as numbers: unit fractions and non- unit fractions with small denominators.</li> <li>Round decimals with one decimal place to the nearest whole number.</li> <li>Compare numbers with the same number of decimal places up to two decimal places.</li> <li>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.</li> <li>Count up and down in hundredths; recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten.</li> <li>Compare and order unit fractions and fractions with the same denominators.</li> </ul>	<ul> <li>Solve two-step addition and subtraction problems in contexts, deciding which operations and methods to use and why.</li> <li>Add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate.</li> <li>Add and subtract numbers mentally, including: <ul> <li>A three-digit number and tens.</li> <li>A three-digit number and hundreds.</li> <li>Estimate and use inverse operations to check answers to a calculation.</li> <li>Solve problems, including missing number problems, using number facts, place value and more complex addition and subtraction.</li> </ul> </li> </ul>	<ul> <li>Count in multiples of 2 to 9, 25, 50, 100 and 1000.</li> <li>Find 1000 more or less than a given number.</li> <li>Count backwards through zero to include negative numbers.</li> <li>Identify, represent and estimate numbers using different representations.</li> <li>Recognise the place value of each digit in a four-digit number. (thousands, hundreds, tens, and ones)</li> <li>Round any number to the nearest 10, 100 or 1000.</li> <li>Order and compare numbers beyond 1000.</li> <li>Solve number and practical problems with increasingly large positive numbers.</li> <li>Solve number and practical problems with increasingly large positive numbers.</li> </ul>	<ul> <li>Solve two-step addition and subtraction problems in contexts, deciding which operations and methods to use and why.</li> <li>Add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate.</li> <li>Add and subtract numbers mentally, including: <ul> <li>A three-digit number and ones.</li> <li>A three-digit number and tens.</li> <li>A three-digit number and hundreds.</li> <li>Estimate and use inverse operations to check answers to a calculation</li> <li>Solve problems, including missing number problems, using number facts, place value and more complex addition and subtraction.</li> </ul> </li> </ul>



Unit 2	Number	Number, Multiply and	Fractions	Measures	Fractions	Number, Multiply and
	<ul> <li>Count in multiples of 2 to 9,</li> </ul>	Divide	<ul> <li>Recognise, find and write</li> </ul>	<ul> <li>Measure, compare, add and</li> </ul>	<ul> <li>Recognise, find and write</li> </ul>	Divide
	25, 50, 100 and 1000.	<ul> <li>Solve problems involving</li> </ul>	fractions of a discrete set	subtract: lengths	fractions of a discrete set	<ul> <li>Solve problems involving</li> </ul>
	<ul> <li>Find 1000 more or less than a</li> </ul>	multiplying and	of objects: unit fractions and	(m/cm/mm); mass (kg/g);	of objects: unit fractions and	multiplying and
	given number.	dividing, including using the	non-unit fractions with	volume/capacity (I/ml).	non-unit fractions with	dividing, including using the
	<ul> <li>Count backwards through</li> </ul>	distributive law to multiply	small denominators.	<ul> <li>Convert between different</li> </ul>	small denominators.	distributive law to multiply two
	zero to include	two digit numbers by one	<ul> <li>Recognise and use fractions as</li> </ul>	units of measure. (for	<ul> <li>Recognise and use fractions</li> </ul>	digit numbers by one digit,
	negative numbers.	digit, integer scaling	numbers: unit fractions and non-	example, kilometre to metre;	as numbers: unit fractions and	integer scaling problems
	<ul> <li>Identify, represent and</li> </ul>	problems and harder	unit fractions with small	hour to minute)	non-unit fractions with small	and harder correspondence
	estimate numbers	correspondence problems	denominators.		denominators.	problems (such as n objects
	using different representations.	(such as n objects	<ul> <li>Round decimals with one</li> </ul>		<ul> <li>Round decimals with one</li> </ul>	are connected to m objects).
	<ul> <li>Recognise the place value of</li> </ul>	are connected to m objects).	decimal place to the		decimal place to the	<ul> <li>Multiply two-digit and three-</li> </ul>
	each digit in a four-	<ul> <li>Multiply two-digit and</li> </ul>	nearest whole number.		nearest whole number.	digit numbers by a one-digit
	digit number. (thousands,	three-digit numbers by a one-	<ul> <li>Compare numbers with the</li> </ul>		<ul> <li>Compare numbers with the</li> </ul>	number using formal written
	hundreds, tens, and ones)	digit number using formal	same number of decimal places		same number of decimal places	layout.
	<ul> <li>Round any number to the</li> </ul>	written layout.	up to two decimal places.		up to two decimal places.	<ul> <li>Use place value, known and</li> </ul>
	nearest 10, 100 or 1000.	<ul> <li>Use place value, known and</li> </ul>	<ul> <li>Count up and down in tenths;</li> </ul>		<ul> <li>Count up and down in tenths;</li> </ul>	derived facts to multiply
	<ul> <li>Order and compare numbers</li> </ul>	derived facts to multiply	recognise that tenths arise from		recognise that tenths arise	and divide mentally, including:
	beyond 1000.	and divide mentally,	dividing an object into 10 equal		from dividing an object into 10	multiplying by 0 and 1;
	<ul> <li>Solve number and practical</li> </ul>	including: multiplying by 0	parts and in dividing one-digit		equal parts and in dividing one-	dividing by 1; multiplying
	problems with	and 1; dividing by 1;	numbers or quantities by 10.		digit numbers or quantities by	together three numbers.
	increasingly large positive	multiplying together three	<ul> <li>Count up and down in</li> </ul>		10.	<ul> <li>Recognise and use factor</li> </ul>
	numbers.	numbers.	hundredths; recognise		<ul> <li>Count up and down in</li> </ul>	pairs and commutativity in
		<ul> <li>Recognise and use factor</li> </ul>	that hundredths arise when		hundredths; recognise	mental calculations.
		pairs and commutativity in	dividing an object by		that hundredths arise when	<ul> <li>Recognise and use the</li> </ul>
		mental calculations.	one hundred and dividing tenths		dividing an object by	inverse relationship
		<ul> <li>Recognise and use the</li> </ul>	by ten.		one hundred and dividing	between multiplication and
		inverse relationship	<ul> <li>Compare and order unit</li> </ul>		tenths by ten.	division and use this to
		between multiplication and	fractions and fractions with the		Compare and order unit	check calculations and solve
		division and use this to	same denominators.		fractions and fractions with the	missing number problems
		check calculations and solve			same denominators.	<ul> <li>Recall multiplication and</li> </ul>
		missing number problems				division facts for
		<ul> <li>Recall multiplication and</li> </ul>				multiplication tables up to 12 $\times$
		division facts for				12.
		multiplication tables up to 12				
		× 12.				
Unit 3	Add and Subtract	Measures – Time	Fractions	Position, direction and	Fractions	Shape
	<ul> <li>Solve two-step addition and</li> </ul>	<ul> <li>Tell and write the time from</li> </ul>	<ul> <li>Recognise and show, using</li> </ul>	movement	<ul> <li>Recognise and show, using</li> </ul>	<ul> <li>Draw 2-D shapes and make 3-</li> </ul>
	subtraction problems	an analogue clock, including	diagrams, families of common	<ul> <li>Recognise angles as a</li> </ul>	diagrams, families of common	D shapes using
	in contexts, deciding which	using Roman numerals from I	equivalent fractions.	property of shape and as an	equivalent fractions.	modelling materials; recognise



	<ul> <li>operations and methods to use and why.</li> <li>Add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate.</li> <li>Add and subtract numbers mentally, including:</li> <li>A three-digit number and ones.</li> <li>A three-digit number and tens.</li> <li>A three-digit number and hundreds.</li> <li>Estimate and use inverse operations to check answers to a calculation.</li> </ul>	to XII, and 12-hour and 24- hour clocks. • Estimate and read time with increasing accuracy to the nearest minute; record and compare time in terms of seconds, minutes and hours; use appropriate vocabulary. • Know the number of seconds in a minute and the number of days in each month, year and leap year. • Compare durations of events.	<ul> <li>Recognise and write decimal equivalents of any number of tenths or hundredths.</li> <li>Recognise and write decimal equivalents to 1/4, 1/2, 3/4.</li> </ul>	<ul> <li>amount of rotation.</li> <li>Identify right angles, recognise that 2 right angles make a half turn and 4 make a whole turn.</li> <li>Identify angles that are greater than a right angle.</li> <li>Describe positions on a 2-D grid as coordinates in the first quadrant.</li> <li>Describe movements between positions as translations of a given unit to the left/right and up/down.</li> <li>Plot specified points and draw sides to complete a given polygon.</li> </ul>	<ul> <li>Recognise and write decimal equivalents of any number of tenths or hundredths.</li> <li>Recognise and write decimal equivalents to 1/4, 1/2, 3/4.</li> <li>Add and subtract fractions with the same denominator within one whole.</li> <li>Solve problems involving increasingly harder fractions.</li> <li>Calculate quantities and fractions to divide quantities (including non-unit fractions where the answer is a whole number).</li> <li>Add and subtract fractions with the same denominator.</li> <li>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.</li> <li>Solve simple measure and money problems involving fractions and decimals to two decimal places.</li> </ul>	<ul> <li>3-D shapes in different orientations and describe them.</li> <li>Identify horizontal and vertical lines and pairs of perpendicular and parallel lines.</li> <li>Compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes.</li> <li>Identify acute and obtuse angles and compare and order angles up to two right angles by size.</li> <li>Identify lines of symmetry in 2-D shapes presented in different orientations.</li> <li>Complete a simple symmetric figure with respect to a specific line of symmetry.</li> </ul>
Unit 4	Add and Subtract	Add and Subtract	Fractions	Statistics	Measures – Money	Position, direction and
	Solve two-step addition and	Solve two-step addition and	Add and subtract fractions with	Interpret and present data	<ul> <li>Add and subtract amounts of</li> </ul>	movement
	subtraction problems	suptraction problems	the same denominator within	using bar charts, pictograms	money to give change. (£ and	grid as coordinates in the
	operations and methods to	operations and methods to	Solve problems involving	Solve one-step and two-	p)	first quadrant.
	use and why	use and why	increasingly harder fractions	sten questions (for example	• Estimate, compare and	Describe movements
	Add and subtract numbers	Add and subtract numbers	Calculate quantities and	'How many more?' and 'How		between positions as
	with up to 4 digits using	with up to 4 digits using	fractions to divide quantities	many fewer?') using	neasures, including money in	translations of a given unit to
	the formal written methods of	the formal written methods	(including non-unit fractions	information presented in	pounds and pence.	the left/right and up/down.
	columnar addition	of columnar addition	where the answer is a	scaled bar charts nictograms		• Plot specified points and
	and subtraction where	and subtraction where	whole number).	and tables.		draw sides to complete a
	appropriate.	appropriate.	Add and subtract fractions with	Interpret and present		given polygon.
		alle all all all all all all all all all				



	<ul> <li>Add and subtract numbers mentally, including:</li> </ul>	<ul> <li>Add and subtract numbers mentally, including:</li> </ul>	the same denominator. • Find the effect of dividing a	discrete and continuous data using appropriate graphical		
	<ul> <li>A three-digit number and</li> </ul>	<ul> <li>A three-digit number and</li> </ul>	one- or two-digit number by 10	methods, including bar charts		
	ones.	ones.	and 100, identifying the value of	and time graphs.		
	<ul> <li>A three-digit number and</li> </ul>	<ul> <li>A three-digit number and</li> </ul>	the digits in the answer as ones,	<ul> <li>Solve comparison, sum and</li> </ul>		
	tens.	tens.	tenths and hundredths.	difference problems		
	<ul> <li>A three-digit number and</li> </ul>	<ul> <li>A three-digit number and</li> </ul>	<ul> <li>Solve simple measure and</li> </ul>	using information presented		
	hundreds.	hundreds.	money problems involving	in bar charts, pictograms,		
	<ul> <li>Estimate and use inverse</li> </ul>	<ul> <li>Estimate and use inverse</li> </ul>	fractions and decimals to two	tables and other graphs.		
	operations to check answers to	operations to check	decimal places.			
	a calculation.	answers to a calculation.				
Unit 5	Add and Subtract	Add and Subtract	Number	Measures – Time	Shape	Statistics
	<ul> <li>Solve problems, including</li> </ul>	<ul> <li>Solve problems, including</li> </ul>	<ul> <li>Count in multiples of 2 to 9, 25,</li> </ul>	<ul> <li>Convert between different</li> </ul>	<ul> <li>Recognise angles as a</li> </ul>	<ul> <li>Interpret and present data</li> </ul>
	missing number	missing number	50, 100 and 1000.	units of measure. (for	property of shape or a	using bar charts, pictograms
	problems, using number facts,	problems, using number	<ul> <li>Find 1000 more or less than a</li> </ul>	example, kilometre to metre;	description of a turn.	and tables.
	place value and more	facts, place value and more	given number.	hour to minute)	<ul> <li>Identify right angles,</li> </ul>	<ul> <li>Solve one-step and two-step</li> </ul>
	complex addition and	complex addition and	<ul> <li>Count backwards through zero</li> </ul>	<ul> <li>Read, write and convert</li> </ul>	recognise that two right angles	questions (for example,
	subtraction.	subtraction.	to include negative numbers.	time between analogue	make a half-turn, three make	'How many more?' and 'How
			<ul> <li>Identify, represent and</li> </ul>	and digital 12- and 24-hour	three quarters of a turn and	many fewer?') using
			estimate numbers using different	clocks.	four a complete turn; identify	information presented in scaled
			representations.	<ul> <li>Solve problems involving</li> </ul>	whether angles are greater	bar charts, pictograms and
			<ul> <li>Recognise the place value of</li> </ul>	converting from hours	than or less than a right angle.	tables.
			each digit in a four-digit number.	to minutes; minutes to	<ul> <li>Compare and classify</li> </ul>	<ul> <li>Interpret and present discrete</li> </ul>
			(thousands, hundreds, tens, and	seconds; years to months;	geometric shapes,	and continuous data
			ones)	weeks to days.	including quadrilaterals and	using appropriate graphical
			<ul> <li>Round any number to the</li> </ul>		triangles, based on their	methods, including bar charts
			nearest 10, 100 or 1000.		properties and sizes.	and time graphs.
			<ul> <li>Order and compare numbers</li> </ul>		<ul> <li>Identify acute and obtuse</li> </ul>	<ul> <li>Solve comparison, sum and</li> </ul>
			beyond 1000.		angles and compare and	difference problems
			<ul> <li>Solve number and practical</li> </ul>		order angles up to two right	using information presented in
			problems with increasingly large		angles by size.	bar charts, pictograms, tables
			positive numbers.		<ul> <li>Identify lines of symmetry in</li> </ul>	and other graphs.
			<ul> <li>Solve number and practical</li> </ul>		2-D shapes presented	
			problems with increasingly large		in different orientations.	
			positive numbers.		<ul> <li>Complete a simple symmetric</li> </ul>	
					figure with respect to a specific	
					line of symmetry.	



Unit 6	<ul> <li>Number</li> <li>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.</li> <li>Algebra</li> <li>Solve addition and subtraction, multiplication and division problems that involve missing numbers.</li> </ul>	<ul> <li>Measures – Money</li> <li>Add and subtract amounts of money to give change. (£ and p)</li> <li>Estimate, compare and calculate different measures, including money in pounds and pence.</li> </ul>	<ul> <li>Shape</li> <li>Draw 2-D shapes and make 3-D shapes using modelling materials; recognise 3-D shapes in different orientations and describe them.</li> <li>Identify horizontal and vertical lines and pairs of perpendicular and parallel lines.</li> </ul>	<ul> <li>Number, Multiply and Divide</li> <li>Solve problems involving multiplying and dividing, 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).</li> <li>Multiply two-digit and three-digit numbers by a one- digit number using formal written layout.</li> <li>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.</li> <li>Recognise and use factor pairs and commutativity in mental calculations.</li> <li>Recognise and use the inverse relationship between multiplication and division and use this to check calculations and solve missing number problems</li> <li>Recall multiplication and division facts for</li> </ul>	Measures • Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml). • Convert between different units of measure. (for example, kilometre to metre; hour to minute)	Measures – Time • Convert between different units of measure. (for example, kilometre to metre; hour to minute) • Read, write and convert time between analogue and digital 12- and 24-hour clocks. • Solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days.
		ASSESSMENTS		check calculations and solve missing number problems • Recall multiplication and division facts for multiplication tables up to 12 × 12. ASSESSMENTS		ASSESSMENTS