

Term	Autumn A	Spring	Summer	
Nursery	Numerical Pattern / Number	Numerical Pattern / Number	Numerical Pattern / Number	
	 Begin to compare quantities 	 Sort and match objects accordingly e.g. size / shape 	 Talk about and identify patterns around them. 	
	 Sort, match and label groups 	 Begin to compare quantities using - more than, fewer 	 Extend and create ABAB patterns 	
	• Find the group with more / the same / less	than	Compare quantities using language: 'more than', 'fewer	
	 Compare sets of identical objects, then alter one variable 	 Name and talk about patterns 	than'	
	e.g. colour/ size, and know the numb <mark>er remains constant.</mark>	Continue and talk about a pattern – ABAB	 Recite numbers past 5 	
	 Notice, identify and talk about patterns around them eg 	Recite numbers to 5	 Fast recognition of up to 3 objects - subitising 	
	Clothing, autumn – natural resources		• Say one number for each item in order: 1,2,3,4,5.	
	 Begin to copy / continue and talk about a pattern – ABAB 	Join in with number rhymes to 5 using props and fingers	Know that the last number reached when counting a	
	patterns with objects / actions	Use fingers to represent numbers with increasing accuracy	small set of objects tells you how many there are in total	
	 Begin to recite numbers to 5 in correct order 	 Use some number names in play with some accuracy 	('cardinal principle').	
	Explore 1:1 correspondence	 Fast recognition of objects up to 1 and sometimes 2 – 	 Show 'finger numbers' up to 5. 	
	 Begin to understand that the last number reached when 	subitising	 Link numerals and amounts up to 5 	
	counting a small set of objects tells you how many there	 Begin to count up to sets of 5 objects (1:1 	Experiment with own symbols and marks as well as	
	are in total (cardinal number)	correspondence)	numerals.	
	 Begin to say one number for each item to 3 Join in with number rhymes / songs with props and actions 	 Begin to experiment with their own symbols and marks 	 Solve real world mathematical problems with numbers 	
		as well as numerals	up to 5	
		Shape, Space & Measure	Shape, Space & Measure	
	Use some number names in play	 Select shapes appropriately in a range of contexts 	 Talk about and explore 2D and 3D shapes - cube, cylinder, faces 	
	Shape, Space & Measure	 Begin to combine shapes to make new ones 	 Understand position through words Autumn and Spring 	
	Begin to select shapes for appropriate tasks	 Talk about shapes using autumn words plus sides, 	words plus top, bottom	
	Show interest in shapes in the environment	corners, straight, line, bend, curve	 Begin to develop spatial awareness 	
	Manipulate and turn shapes	Spatial awareness:	Experience different viewpoints e.g. in context of	
	 Begin to talk about shapes - circle, triangle, rectangle, 	⇒ Begin to experience different viewpoints e.g. in context	gardens	
	square round, pointy, spotty, stripy	of transport topic	 Describe a familiar route. Discuss routes and locations 	
	 Make comparisons between objects using appropriate 	 Understand positional language - autumn words + under, 	using words like - in front of, behind	
	vocabulary e.g. size - big, small	behind	 Make comparisons between objects relating to size, 	
	 Understand positional language within daily routine - in, 	 Describe a familiar route. 	length, weight and capacity spring words, long, short, tall	
	out, on	 Begin to discuss routes and locations using words like in 	• Select shapes appropriately: flat surfaces for building, a	
	 Begin to understand some language of time within the 	front of , behind	triangular prism for a roof etc.	
	daily routine - next, later, after, night time	 Begin to make comparisons between objects using 	 Combine shapes to make new ones 	
		appropriate vocabulary - empty, full, more, lots, bigger, smaller	 Begin to describe a sequence of events, real or fictional, using words such as 'first', 'then' 	
		 Begin to use some language of time within the daily 		
	Case	routine		
	Cont	Begin to describe a familiar route		
	COIII	 Begin to describe a sequence of events first, before 		



Term	Autumn A	Spring	Summer
Reception	 Number: Continue, copy and create repeating patterns Continue an ABC/ABB/ABBC pattern Make own ABC/ABB/ABBC patterns Identify the unit of repeat in a pattern Continue a pattern which ends mid-unit of repeat Compare numbersmore, less, greater, fewer Count objects, actions and soundscount Subitise up to 5 Explore the composition of numbers to 5 Part-whole: identify smaller numbers within a number (conceptual subitising) - total, altogether, makes, equals Inverse operations (understand that we can partition a number of things into two groups, and to recognise that those groups can be recombined to make the same total) - set, group, part, whole, total Understand that a number can be partitioned into different pairs of numbers (number bonds up to 5) Link the number symbol (numeral) with its cardinal number value. Begin to count beyond ten Begin to count on and back from a given number Solve real world mathematical problems with numbers up to 5 Numerical patterns: Begin to describe properties of 2D and 3D shapes - circle, square, rectangle, triangle, oval, hexagon, semi-circle, sides, corners, cube, cuboid, cylinder, faces, vertices, edges Begin to compare length, weight and capacity, length, height, weight Recognise attributes, e.g use language of weight, length, height, weight Recognise attributes, e.g. use language of weight, length, height or capacity - heavy / light, short/tall, long large, thick, thin, wide, narrow Compare and begin to order 2-3 items by length, weight, height and capacity e.g. It is taller / shorter than taller, tallest, shorter, shortest, longer, longest, heavier, heaviest Begin to estimate and predict using measurement - some, less, a bit, all, most, both, few, enough, half, whole 	 Number: Continue, copy and create repeating patterns Identify errors in an ABC/ABB/ABBC pattern. Begin to symbolise their patterns and the unit of repeat - pattern, draw, unit of repeat Make a pattern which continues around a circle. Count beyond ten a count on and back from a given number Understand the 'one more than/one less than' relationship between consecutive numbers Compare numbers that are far apart, near to and next to each othermore, less, far apart, close to, next to Use "more" and "fewer" to explain unfair sharingmore, less, fewer, fair, unfair, same, different Explore the composition of numbers to 10 Automatically recall number can be partitioned into different pairs of numbers (number bonds for numbers 0–10. Understand that a number can be partitioned into more than two numbers. Solve problems using their knowledge of number bonds to 5 and begin to solve problems using number bonds to 10 Numerical patterns: Solve problems using their knowledge of number scan. Describe properties of 2D and 3D shapes plus cone, pyramid, sphere Select, rotate and manipulate shapes in order to develop spatial reasoning skills. Compare length, weight and capacity Order 2-3 items by length, weight, height or capacity Estimate / predict using measurement language Begin to use tools to measure short lengths of time 	 Number: Have a deep understanding of number to 10, including the composition of each number Subitise (recognise quantities without counting) up to 5 confidently Automatically recall (without reference to rhymes, counting or other aids) number bonds up to 5 (including subtraction facts) and some number bonds to 10, including double facts group, set, part, whole, double Solve problems using their knowledge of number bonds to 5/10. Numerical patterns: Verbally count beyond 20, recognising the pattern of the counting system Compare quantities up to 10 in different contexts, recognising when one quantity is greater than, less than or the same as the other quantity - same as, equal to, more than, greater than, less than, fewer than Explore and represent patterns within numbers up to 10, including evens and odds, double facts and how quantities can be distributed equally - odd, even, double, half, fair, unfair, equal, unequal, greater, more, less, fewer



Term	Autumn A	Autumn B	Spring A	Spring B	Summer A	Summer B
Term Year 1	Autumn ACounting: Count to and across 100, forwards and backwards, beginning with 0 or 1, or from 	Autumn B Counting: Count, read and write numbers to 100 in numerals. Addition within 10 Subtraction within 10 Position: Describe position, direction and movement, including half, quarter and three- quarter turns.	Number to 20: Read and write numbers from 1 to 20 in numerals and words. Addition and subtraction within 20: Represent and use number bonds and related subtraction facts within 20. Read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs. Geometry-Shapes and Patterns: recognise and name common 2-D and 3-D shapes, including: * 2-D shapes [e.g. rectangles (including squares), circles	Spring BNumbers to 50Addition and subtractionword problems:Add and subtract one-digitand two-digit numbers to 20,including zero.Solve one-step problems thatinvolve addition andsubtraction, using concreteobjects and pictorialrepresentations, and missingnumber problems such as $7 = \Box - 9$.Multiplication:Count in multiples of twos,fives and tens.	Numbers to 100: Count, read and write numbers to 100 in numerals. Division 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 Time: Sequence events in chronological order using language [e.g. before and after, next, first, today, yesterday, tomorrow, morning, afternoon and evening] Money:	Summer B Volume and Capacity, Mass: Measure and begin to record the following: * mass/weight * capacity and volume
			Patterns: recognise and name common 2-D and 3-D shapes, including: * 2-D shapes [e.g. rectangles		language [e.g. before and after, next, first, today, yesterday, tomorrow, morning, afternoon and evening]	

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	Autumn A	Autumn B	Spring A	Spring B	Summer A	Summer B
Year 2	Counting to 100:	Multiplication, Arrays	Number and place value:	Length, Measuring cm and	Geometry-2D shapes:	Time:
	Count in steps of 2, 3, and 5	Commutativity:	Identify, represent and	m:	Identify and describe the	Compare and sequence
	from 0, and in tens from any	Count in steps of 2, 3, and 5	estimate numbers using	Choose and use appropriate	properties of 2-D shapes,	intervals of time.
	number, forward or	from 0, and in tens from any	different representations,	standard units to estimate	including the number of sides	Volume:
	backward.	number, forward or	including the number.	and measure length/height	and line symmetry in a	Choose and use appropriate
	Place value :	backwa <mark>rd.</mark>	Addition and subtraction:	in any direction (m/cm); to	vertical line.	standard units to estimate
	Compare and order numbers	Recall and use multiplication	Using recall of addition and	the nearest appropriate unit,	Geometry-3D shapes:	and measure capacity
	from 0 up to 100.	and div <mark>isio</mark> n facts for the 2, 5	subtraction facts and mental	using rulers.	Identify and describe the	(litres/ml) to the nearest
	Addition and Subtraction:	and 10 multiplication tables,	calculation strategies	Mass:	properties of 3-D shapes,	appropriate unit, using
	Recall and use addition and	includi <mark>ng r</mark> ecognising odd and	* using partitioning and	Choose and use appropr <mark>iate</mark>	including the number of	measuring vessels.
	subtraction facts to 2.0	even n <mark>um</mark> bers.	counting on str <mark>at</mark> egies	standard units to estimate	edges, vertices and faces.	Position:
	Fluently, and derive and use	Show t <mark>hat</mark> multiplication of	Add and subtract numbers	and measure mass (kg/g <mark>); t</mark> o	Identify 2-D shapes on the	Use mathematical vocabulary
	related facts up to 100.	two nu <mark>mb</mark> ers can be done in	using concrete objects,	the nearest appropriate unit,	surface of 3-D shapes, [for	to describe position, direction
	Add and subtract numbers	any ord <mark>er (</mark> commutative).	pictorial representations, and	using scales.	example, a circle on a	and movement including
	using concrete objects,	Division	mentally, including:	Temperature:	cylinder and a triangle on a	movement in a straight line
	pictorial representations, and	Groupin <mark>g an</mark> d sharing:	* a two-digit number and	Choose and use appro <mark>pri</mark> ate	pyramid].	and distinguishing between
	mentally, including:	Calculate mathematical	ones	standard units to esti <mark>ma</mark> te	Compare and sort common 2-	rotation as a turn and in
	* a two-digit number and	statements for multiplication	* a two-digit number and tens	and measure temperature	D and 3-D shapes and	terms of right angles for
	ones	and division within the	* two two-digit numbers	(°C); to the nearest	everyday objects.	quarter, half and three-
	* a two-digit number and	multiplication tables and	* adding three one-digit	appropriate unit, <mark>usin</mark> g		quarter turns (clockwise and
	tens	write them usi <mark>ng th</mark> e	numbers.	thermometers.		anti-clockwise).
	* two two-digit numbers	multiplication (×), division (÷)	Multiplication and division:	Picture Graphs:		
	* add three one-digit	and equals (=) signs.	Repeated addition and	Interpret and construct		
	numbers.		subtraction, arrays, grouping	simple pictograms, tally		
	Show that addition of two		and using times tables facts.	charts, block diagrams and		
	numbers can be done in any		Solve problems involving	simple tables.		
	order (commutative) and		multiplication and division,	Ask and answer simple		
	subtraction of one number		using materials, arrays,	questions by counting the		
	from another cannot.		repeated addition, mental	number of objects in each		
	Recognise and use the		methods, and multiplication	category and sorting the		
	inverse relationship between		and division facts, including	categories by quantity.		
	addition and subtraction and		problems in contexts.	Ask and answer questions		
	use this to check calculations		Fractions:	about totalling and		
	and solve missing number		Count in fractions up to 10,	comparing categorical data.		
	problems.		starting from any number			
			and using the1/2 and 2/4			
			equivalence on the number	0 0		
			line.	DD		
			Recognise, find, name and			
		<u> </u>	write fractions $\frac{1}{3}, \frac{1}{4}, \frac{2}{4}$ and			
		(ont	³ / ₄ of a length, shape, set of objects or quantity.	Parner		
		UVIII	objects or quantity.			



	Autumn A	Autumn B	Spring A	Spring B	Summer A	Summer B
Year 3	Counting:	Multiplication and Division	Measures:	Money:	Fractions:	Geometry:
	Count from 0 in multiples of 4, 8,	word problems:	Measure, compare, add and	Add and subtract amounts of	Recognise, find and write	Draw 2-D shapes and make
	50 and 100;	Write and calculate	subtract: mass (kg/g);	money to give change, using	fractions of a discrete set of	3-D shapes using modelling
	Find 10 or 100 more or less than	mathematical statements	volume/capacity (l/ml).	both £ and p in practical	objects: unit fractions and	materials.
	a given number.	for multiplication and		contexts.	non-unit fractions with small	Recognise 3-D shapes in
	Count up and down in tenths	division using the		Time:	denominators	different orientations and
	Place Value:	mul <mark>tipl</mark> ication tables that		Compare durations of	Recognise that tenths arise	describe them.
	Compare and order numbers up	the <mark>y kn</mark> ow, including for		events, for example to	from dividing an object into	Recognise angles as a
	to 1000.	two-digit numbers times		calculate the time taken by	10 equal parts and in dividing	property of shape or a
	Read and write numbers up to	one-digit numbers, using		particular events or tasks.	one-digit numbers or	description of a turn.
	1000 in numerals and in words.	mental and progressing to		Estimate and read time with	quantities by 10.	Identify right angles,
	Recognise the place value of each	for <mark>mal</mark> written methods.		increasing accuracy to the	Recognise and use fractions	recognise that two right
	digit in a threedigit number	Solve problems, including		nearest minute.	as numbers: unit fractions	angles make a half-turn,
	(hundreds, tens, ones).	missing number problems,		Record and compare ti <mark>me</mark> in	and non-unit fractions with	three make three quarters of
	Mental Calculation:	involving multiplication and		terms of seconds, minutes,	small denominators	a turn and four a complete
	Add and subtract numbers	division, including positive		hours and o'clock; use	Comparing fractions:	turn.
	mentally, including:	integ <mark>er</mark> scaling problems		vocabulary such as	Compare and order unit	Identify whether angles are
	* a three-digit number and ones	and correspondence		a.m./p.m., morning,	fractions, and fractions with	greater than or less than a
	* a three-digit number and tens	proble <mark>ms i</mark> n which n		afternoon, noon and	the same denominators.	right angle.
	* a three-digit number and	objects are connected to m		midnight.	Equivalence:	Identify horizontal and
	hundreds.	objects.		Tell and write th <mark>e tim</mark> e from	Recognise and show, using	vertical lines and pairs of
	Written methods for addition	Measures:		an analogue clo <mark>ck,</mark> including	diagrams, families of	perpendicular and parallel
	and subtraction:	measure, compare, add		using Roman numerals from I	common equivalent	lines.
	Add and subtract numbers with	and subtract: lengths		to XII, and 12-hour and 24-	fractions.	Measuring and calculating
	up to three digits, using formal			hour clocks.	Addition and subtraction of	perimeter:
	written methods of columnar			Know the number of seconds	fractions:	Measure the perimeter of
	addition and subtraction.			in a minute and the number	Add and subtract fractions	simple 2-D shapes.
	Solve problems, including missing			of days in each month, year	with the same denominator	
	number problems, using number			and leap year.	within one whole (e.g. ⁵ /_ +	
	facts, place value, and more				1	
	complex addition and subtraction				$\frac{1}{7} = \frac{6}{7}$.	
	Multiplication and division:				Statistics:	
	Recall and use multiplication and				Interpret and present data	
	division facts for the 3, 4 and 8				using bar charts, pictograms	
	multiplication tables.				and tables	
	Write and calculate mathematical				solve one-step and two-step	
	statements for multiplication and				questions [e.g. 'How many	
	division using the multiplication				more?' and 'How many	
	tables that they know, including	EV/P	ry Chil		fewer?'] using information	
	for two-digit numbers times one-			2 4	presented in scaled bar	
	digit numbers, using mental and		-		•	
	progressing to formal written	C F o			charts and pictograms and	
	methods.	Conti	dont	arnor	tables.	



	Autumn A	Autumn B	Spring A	Spring B	Summer A	Summer B
Year 4	Counting:	Multiplication and division:	Time:	Decimals:	Measures: Volume and	Geometry:
	Count backwards through zero to include	Use place value, known and	Read, write and convert	Round decimals with one	length	Identify lines of symmetry
	negative numbers.	derived facts to multiply	time between analogue and	decimal place to the	Measure and calculate	in 2-D shapes presented in
	Find 1000 more or less than a given	and divide mentally,	digital 12 and 24-hour	nearest whole number.	the perimeter of a	different orientations.
	number	including: multiplying by 0	clocks.	Money:	rectilinear figure	Complete a simple
	Count in multiples of 6, 7, 9, 25 and 100.	and 1; dividing by 1;	Solve problems involving	Estimate, compare and	(including squares) in	symmetric figure with
	Count up and down in hundredths.	multiplying together three	converting from hours to	calculate different	centimetres and metres.	respect to a specific line of
	Place value:	numbers.	minutes; minutes to	measures, including money	Find the area of	symmetry.
	Order and compare numbers beyond	Further multiplication and	seconds; years to months;	in pounds and pence.	rectilinear shapes by	Compare and classify
	1000.	division:	weeks to days.		counting squares.	geometric shapes, including
	Read Roman numerals to 100 (I to C) and	Multiply two-digit and	Fractions:		Convert between	quadrilaterals and triangles,
	know that over time, the numeral system	three-digit numbers by a	Recognise that hundredths		different units of	based on their properties
	changed to include the concept of zero	one-digit number using	ar <mark>is</mark> e w <mark>hen div</mark> iding an		measure (e.g. kilometre	and sizes.
	and place value.	formal written layout.	object by one hundred and		to metre.	Identify acute and obtuse
	Recognise the place value of each digit in	Statistics:	dividing tenths by ten			angles and compare and
	a four-digit number (thousands,	Interpret and present	add and subtract fractions			order angles up to two right
	hundreds, tens, and ones).	discrete and continuous	with the same			angles by size.
	Rounding:	data using appropriate	denominator.			Position, Direction and
	Round any number to the nearest 10,	graphical methods,	Equivalence:			Movement:
	100 or 1 000.	including bar charts and	Recognise and show, using			Describe positions on a
	Round decimals with one decimal place	ti <mark>me g</mark> raphs.	diagrams, families of			2-D grid as coordinates in
	to the nearest whole number.	Solve comparison, sum and	common equivalent.			the first quadrant.
	Addition and Subtraction to 10000:	difference problems using	Decimals:			Describe movements
	Add and subtract numbers with up to 4	information presented in	Compare numbers with the			between positions as
	digits using the formal written methods	bar charts, pictograms,	same number of decimal			translations of a given unit
	of columnar addition and subtraction	tables and other graphs.	places up to two decimal			to the left/right and
	where appropriate.		places.			up/down.
	Solve addition and subtraction two-step		Fractions:			Plot specified points and
	problems in contexts, deciding which		Recognise and write			draw sides to complete a
	operations and methods to use and why.		decimal equivalents of any			given polygon.
	Multiplication and division:		number of tenths or			Roman numerals:
	Recall multiplication and division facts for		hundredths			Read Roman numerals to
	multiplication tables up to 12×12 .		recognise and write			100 (I to C) and know that
	Recognise and use factor pairs and		decimal equivalents to $^{1}/_{;}$			over time, the numeral
	commutativity in mental calculations.		4			system changed to include
	Solve problems involving multiplying and		¹ / ₂ ; ³ / _{4.}			the concept of zero and
	adding, including using the distributive		2 4.			place value.
	law to multiply two digit numbers by one	LUON	/ Child			
	digit, integer scaling problems and	LVCI		C		
	harder correspondence problems such as					
	n objects are connected to m objects.	1000 1000 1000 1000 1000 1000 1000 100				
	Properties of number:			1010 0 10		
	Recognise and use factor pairs and	ontia	ent Lea	rner		
	commutativity in mental calculations.					



Position, Direction and Movement: dentify, describe and represent the position of a shape following a reflection or translation, using the appropriate language, and	Measures: Calculate and compare the area of squares and rectangles including using standard units, square
dentify, describe and represent the position of a shape following a reflection or translation, using the appropriate language, and	area of squares and rectangles including using standard units, square
represent the position of a shape following a reflection or translation, using the appropriate language, and	rectangles including using standard units, square
hape following a reflection or translation, using the appropriate language, and	standard units, square
or translation, using the appropriate language, and	
appropriate language, and	2
	centimetres (cm^2) and
know that the shape has not	square metres (m ²) and
changed.	estimate the area of
Гіme:	irregular shapes.
Solve problems involving	Roman numerals:
converting between units of	Read Roman numerals to
ime.	1000 (M) and recognise
Converting between	years written in Roman
different units of measure:	numerals.
Convert between different	
units of metric measure (e.g.	
kilometre and metre;	
centimetre and metre;	
centimetre and millimetre;	
gram and kilogram; litre and	
nillilitre).	
Jnderstand and use	
equivalences between metric	
units and common imperial	
units such as inches, pounds	
and pints.	
ch Fin Social Contraction Cont	propriate language, and how that the shape has not hanged. (me: olve problems involving onverting between units of me. onverting between ifferent units of measure: onvert between different nits of metric measure (e.g. lometre and metre; entimetre and metre; entimetre and metre; entimetre and metre; entimetre and millimetre; ram and kilogram; litre and iilliitre). nderstand and use quivalences between metric nits and common imperial nits such as inches, pounds



	Autumn A	Autumn B	Spring A	Spring B	Summer A	Summer B
Year 5	formal written method, including long	given fraction,				
	multiplication for two-digit numbers.	represented visually,				
	Divide numbers up to 4 digits by a one-	including tenths and				
	digit number using the formal written	hundredths.				
	method of short division and interpret	Read and write decimal				
	remainders appropriately for the	numbers as fractions (e.g.				
	context. Solve problems involving multiplication	$0.71 = \frac{71}{100}$).				
	and division including using their	Recognise and use				
	knowledge of factors and multiples,	thousandths and relate				
	squares and cubes.	them to tenths,				
	Properties of number:	hundredths and decimal				
	Identify multiples and factors, including	equivalents.				
	finding all factor pairs of a number, and	Recognise the per cent				
	common factors of two numbers.	symbol (%) and				
	Know and use the vocabulary of prime	understand that per cent				
	numbers, prime factors and composite	relates to "number of	Y			
	(non-prime) numbers.	pa <mark>rts</mark> per hundred", and				
	Recognise and use square numbers and	write percentages as a				
	cube numbers, and the notation for	fraction with				
	squared $\binom{2}{1}$ and cubed $\binom{3}{1}$.	denominator 100 as a decimal fraction.				

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	Autumn A	Autumn B	Spring A	Spring B	Summer A	Summer B
Year 6	Counting:	Multiplication and division of decimals:	Measures:	Algebra:	Equivalent fractions:	Equivalent fractions;
	Use negative numbers in	Multiply and divide numbers by 10, 100	Use, read, write and	Express missing number	ordering and comparing	ordering and comparing
	context, and calculate	and 1000 where the answers are up to	convert between standard	problems algebraically.	fractions; relationship	fractions; relationship
	intervals across zero.	three decimal places.	units, converting	Find pairs of numbers that	between fractions,	between fractions,
	Place value:	Identify t <mark>he v</mark> alue of each digit to three	measurements of length,	satisfy number sentences	decimals, percentages;	decimals, percentages;
	Read, write, order and	decimal places and multiply and divide	mass, volume and time	involving two un <mark>kno</mark> wns.	multiplication and	multiplication and division
	compare numbers up to	numbers by 10, 100 and 1000 where the	from a smaller unit of	Enumerate all possibilities of	division	Solving number problems
	10 000000 and determine	answers are up to three decimal places.	measure to a larger unit,	combinations of two	Solving number problems	and puzzles, use and
	the value of each digit.	Use writ <mark>ten</mark> division methods in cases	and vice versa, using	variables.	and puzzles, use and	application of number
	Rounding:	where t <mark>he a</mark> nswer has up to two decimal	decimal notation to up to	Use simple form <mark>ula</mark> e.	application of number	skills
	Solve problems which	places.	three decimal places.	Generate and describe linear	skills	Reading, interpreting and
	require answers to be	Fractions:	Solve problems involving	number sequen <mark>ces</mark> .	Reading, interpreting and	drawing line graphs, bar
	rounded to specified	Compare and order fractions, including	the calculation and	Statistics:	drawing line graphs, bar	graphs, pie charts; mean,
	degrees of accuracy.	fractions >1.	conversion of units of	Interpret and construct pie	graphs, pie charts; mean,	median, mode, range
	Multiplying and dividing by	Add and subtract fractions with different	measure, using decimal	charts and line graphs and	median, mode, range	Measurement
	10, 100, 1000,	denominators and mixed numbers, using	notation up to three	use these to s <mark>olv</mark> e problems.	Co-ordinates; translation;	Calculate, estimate and
	Mental Calculation:	the	decimal places where	Calculate an <mark>d in</mark> terpret the	reflection; lines of	compare volume of cubes
	Perform mental	concept of equivalent fractions.	appropriate.	mean as an <mark>ave</mark> rage.	symmetry	and cuboids using
	calculations, including with	Multiply simple pairs of proper fractions,			Position, Direction and	standard units, including
	mixed operations and large	writing the answ <mark>er in</mark> its simplest form	Fraction, Decimal	Co-ordinates; translation;	Movement:	centimetre cubed (cm ³)
	numbers.	(e.g. $\frac{1}{4} \times \frac{1}{2} = \frac{1}{8}$).	Percentage:	reflecti <mark>on;</mark> lines of symmetry	Describe positions on the	
	Use their knowledge of the		Find percentage of		full coordinate grid (all	and cubic metres (m [°]),
	order of operations to carry	Multiply one-digit numbers with up to	amounts Ratio and	Ratio and proportion:	four quadrants).	and extending to other
	out calculations involving	two decimal places by whole numbers.	proportion:	Solve problems involving the	Draw and translate	units such as mm ³ and
	the four operations.	Divide proper fractions by whole	Solve problems involving	relative sizes of two	simple shapes on the	km ³ .
	Addition and Subtraction:	numbers (e.g. $\frac{1}{3} \div 2 = \frac{1}{6}$).	the relative sizes of two	quantities where missing	coordinate plane, and	Recognise when it is
	Solve addition and	Equivalence:	quantities where missing	values can be found by using	reflect them in the axes.	possible to use formulae
	subtraction multi-step	Associate a fraction with division and	values can be found by	integer multiplication and	Statistics:	for area and volume of
	problems in contexts,	calculate decimal fraction equivalents	using integer multiplication	division facts.	Interpret and construct	shapes.
	deciding which operations	(e.g. 0.375) for a simple fraction (e.g.	and division facts.	Solve problems involving the	pie charts and line graphs	shapes.
	and methods to use and		S <mark>olve proble</mark> ms involving	calculation of percentages	and use these to solve	Geometry
	why.	³ / ₈).	the calculation of	[for example, of measures,	problems.	Recognise, describe and
	Multiplication and division:	Recall and use equivalences between	percentages [for example,	and such as 15% of 360] and	Calculate and interpret	build simple 3-D shapes,
	Multiply multi-digit	simple fractions, decimals and	of measures, and such as	the use of percentages for	the mean as an average.	including making nets.
	numbers up to 4 digits by a	percentages, including in different	15% of 360] and the use of	comparison.	Counting:	Illustrate and name parts
	two-digit whole number	contexts.	percentages for	Solve problems involving	Use negative numbers in	of circles, including radius
	using the formal written	Associate a fraction with division and	comparison.	similar shapes where the	context, and calculate	diameter and
	method of long	calculate decimal fraction equivalents	Solve problems involving	scale factor is known or can	intervals across zero.	circumference and know
	multiplication.	(e.g. 0.375) for a simple fraction	similar shapes where the	be found.		that the diameter is twice
	Divide numbers up to 4-	(e.g. ³ / ₈).	scale factor is known or can	Solve problems involving		the radius.
	digits by a two-digit whole	Measures:	be found.	unequal sharing and grouping		Draw 2-D shapes using
	number using the formal	Calculate, estimate and compare volume	Solve problems involving	using knowledge of fractions		given dimensions and
	written method of short	of cubes and cuboids using standard	unequal sharing and	and multiples.		angles.
	division. Where appropriate	3,	grouping using knowledge			-
	for the context divide	units, including centimetre cubed (cm [°])	of fractions and multiples.			Compare and classify



	Autumn A	Autumn B	Spring A	Spring B	Summer A	Summer B
Year 6	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 addition, subtraction, multiplication and division. Properties of number: Identify common factors, common multiples and prime numbers.	and cubic metres (m ³), and extending to other units such as mm ³ and km ³ . Solve problems involving the calculation and conversion of units of measure, using decimal notation up to three decimal places where appropriate. Recognise that shapes with the same areas can have different perimeters and vice versa. Calculate the area of parallelograms and triangles. Recognise when it is possible to use formulae for area and volume of shapes. 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. Convert between miles and kilometres. Geometry: Recognise, describe and build simple 3-D shapes, including making nets. Illustrate and name parts of circles, including radius, diameter and circumference and know that the diameter is twice the radius. Draw 2-D shapes using given dimensions and angles. Compare and classify geometric shapes based on their properties and sizes and find unknown angles in any triangles, quadrilaterals, and regular polygons. Recognise angles where they meet at a point, are on a straight line, or are vertically opposite, and find missing angles.	D PLA			Position, Direction and Movement: Describe positions on the full coordinate grid (all four quadrants). Draw and translate simple shapes on the coordinate plane, and reflect them in the axes. Statistics – Graphs and Averages: Interpret line graphs Convert between miles and kilometres.

Confident Learner