

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



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



Term	Autumn A	Autumn B	Spring A	Spring B	Summer A	Summer B
Year 1	Counting:	Counting:	Number to 20:	Numbers to 50	Numbers to 100:	Volume and Capacity,
	Count to and across 100,	Count, read and write	Read and write numbers	Addition and subtraction	Count, read and write	Mass:
	forwards and backwards,	numbers to 100 in numerals.	from 1 to 20 in numerals	word problems:	numbers to 100 in numerals.	Measure and begin to record
	beginning with 0 or 1, or from	Addition within 10	and words.	Add and subtract one-digit	Division Fractions:	the following:
	any given number.	Subtraction within 10	Addition and subtraction	and two-digit numbers to 20,	Recognise, find and name a	* mass/weight
	Writing to 10:	Position:	within 20:	including zero.	half as one of two equal parts	* capacity and volume
	Read and write numbers	Describe position, direction	Represent and use number	Solve one-step problems that	of an object, shape or	
	from 1 to 10 in numerals and	and mo <mark>ve</mark> ment, including	bonds and related	involve addition and	quantity.	
	words.	half, qu <mark>art</mark> er and three-	subtraction facts within 20.	subtraction, using concrete	Recognise, find and name a	
	Number Bonds	quarte <mark>r tu</mark> rns.	Read, write and interpret	objects and pictorial	quarter as one of four equal	
	Comparing numbers:		mathematical statements	representations, and missing	parts of an object, shape or	
	Given a number, identify one		involving addition (+),	number problems such <mark>as</mark>	quantity	
	more and one less.		subtraction (-) and equals (=)	7 = □ - 9.	Time:	
	Use the language of: equal to,		signs.	Multiplication:	Sequence events in	
	more than, less than (fewer),		Geometry-Shapes and	Count in multiples of twos,	chronological order using	
	most, least.		Patterns:	fives and tens.	language [e.g. before and	
			recognise and name common		after, next, first, today,	
			2-D and 3-D shapes,	7	yesterday, tomorrow,	
			including:		morning, afternoon and	
			* 2-D shapes [e.g. rectangles		evening]	
			(including squares), circles		Money:	
			and triangles]		recognise and know the value	
			* 3-D shapes [e.g. cuboids		of different denominations of	
			(including cubes), pyramids		coins and notes	
			and spheres].			
			Length and Height:			
			Measure and begin to record			
			the following: Measure and begin to record			
			the following:			
			lengths and heights [e.g.			
			long/short, longer/shorter,			
			tail/siloit, double/liail]			
			tall/short, d <mark>ouble/half]</mark>			

Every Child a Confident Learner



	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, <mark>forward or</mark>	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 division 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	including recognising 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.	countin <mark>g o</mark> n str <mark>at</mark> egies	standard units to estimate	edges, vertices and faces.	Position:
	Fluently, and derive and use	Show that multiplication of	Add and subtract numbers	and measure mass (kg/g); to	Identify 2-D shapes on the	Use mathematical vocabulary
	related facts up to 100.	two nu <mark>mbe</mark> rs can be done in	using <mark>concrete objects,</mark>	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	Grouping and sharing:	* a two-di <mark>git number and</mark>	Choose and use appropriate	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 tempe<mark>ratu</mark>re	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	multiplicatio <mark>n tab</mark> les 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 (x), division (÷)	Multiplication and division:	Picture Graphs:		
	* add three one-digit	and equals (=) signs.	Repeated addition and	Interpret and <mark>con</mark> struct		
	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	simpl <mark>e tabl</mark> es.		
	order (commutative) and		multiplication and division,	As <mark>k and</mark> 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 div <mark>ision</mark> 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 the 1/2 and 2/4			
		-1//	equivalence on the number	7 3		
		LVC	line. Recognise, find, name and	ua		
			write fractions $\frac{1}{3}$, $\frac{1}{4}$, $\frac{2}{4}$ and			
		Conf	³ / ₄ of a length, shape, set of	Parner		
			objects or quantity.	5 5 1 1 1 5 1		



1	Autumn A	Autumn B	Spring A	Spring B	Summer A	Summer B
Year 3	Counting:	Multiplication and Division	Measures:	Money:	Fractions:	Geometry:
Teal 3	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 (I/ml).	both £ and p in practical	objects: unit fractions and	materials.
	a given number.	for multiplication and	volume/capacity (i/mi).	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:	multiplication tables that		Compare durations of	Recognise that tenths arise	describe them.
	Compare and order numbers up	they know, 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	The Later and	Estimate and read time with	quantities by 10.	Identify right angles,
	Recognise the place value of each	formal 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 time 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:	integer 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	problems in 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 the time from	Recognise and show, using	vertical lines and pairs of
	Written methods for addition	Measures:		an analogue clock, 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	and subtract. Ichgain		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	Simple 2 B shapes.
	number problems, using number			and leap year.	_	
	facts, place value, and more			, , , , , , , , , , , , , , , , , , , ,	within one whole (e.g. $\frac{5}{7}$ +	
	complex addition and subtraction				$\frac{1}{7} = \frac{6}{7}$.	
	Multiplication and division:					
	Recall and use multiplication and				Statistics:	
	division facts for the 3, 4 and 8				Interpret and present data	
	multiplication tables.				using bar charts, pictograms	
	Write and calculate mathematical				and tables	
	statements for multiplication and				solve one-step and two-step	
	division using the multiplication				questions [e.g. 'How many	
	tables that they know, including	H\/C	ry Chil		more?' and 'How many	
	for two-digit numbers times one-		I y CIIII	U U	fewer?'] using information	
	digit numbers, using mental and				presented in scaled bar	
	progressing to formal written				charts and pictograms and	
	methods.	Conti	dont	STROP	tables.	
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	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, includ <mark>ing</mark> 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>ise</mark> when dividing 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	4		order angles up to two right
	hundreds, tens, and ones).	discrete and continuous	with the same			angles by size.
	Rounding:	data using appropriate	denominator.	9		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	inform <mark>ation</mark> 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	_				place value.
	law to multiply two digit numbers by one	-I/OrI	Child			
	digit, integer scaling problems and	LVC				
	harder correspondence problems such as					
	n objects are connected to m objects.					
	Properties of number:	Contid	ant las	MINON		
	Recognise and use factor pairs and		ent Lea			
	commutativity in mental calculations.					



	Autumn A	Autumn B	Spring A	Spring B	Summer A	Summer B
Year 5	Counting:	Statistics:	Decimals:	Comparing quantities	Position, Direction and	Measures:
	Interpret negative numbers in context,	Complete, read and	Read, write, order and	Finding percentages	Movement:	Calculate and compare the
	count forwards and backwards with	interpret information in	compare numbers with up	Geometry:	Identify, describe and	area of squares and
	positive and negative whole numbers,	tables, including	to three decimal places.	Identify 3-D shapes,	represent the position of a	rectangles including using
	including through zero.	timetables.	Round decimals with two	including cubes and other	shape following a reflection	standard units, square
	Count forwards or backwards in steps	Solve comparison, sum	decimal places to the	cuboids, from 2-D	or translation, using the	centimetres (cm ²) and
	of powers of 10 for any given number	and difference problems	nearest whole number and	representations.	appropriate language, and	
	up to 1000 000.	using information	to one decimal place.	Draw given angles, and	know that the shape has not	square metres (m²) and
	Place value:	presented in a line graph.		measure them in degrees	changed.	estimate the area of
	Read, write, order and compare	Fractions:		(°).	Time:	irregular shapes.
	numbers to at least 1 000 000 and	Compare and order		Use the properties of	Solve problems involving	Roman numerals:
	determine the value of each digit.	fractions whose		rectangles to deduce	converting between units of	Read Roman numerals to
	Read Roman numerals to 1000 (M) and	denominators are all		related facts and find	time.	1000 (M) and recognise
	recognise years written in Roman	multiples of the same		missing lengths and angles.	Converting between	years written in Roman
	numerals.	<mark>nu</mark> mber.		Distinguish between	different units of measure:	numerals.
	Rounding:	Add and subtract		regular and irregular	Convert between different	
	Round any number up to 1 000 000 to	fr <mark>acti</mark> ons with the same	Y	polygons based on	units of metric measure (e.g.	
	the nearest 10, 100, 1 000, 10 000 and	de <mark>nom</mark> inator and		reasoning about equal sides	kilometre and metre;	
	100 000.	mu <mark>ltiple</mark> s of the same		and angles.	centimetre and metre;	
	Round decimals with two decimal	num <mark>ber.</mark>		Know angles are measured	centimetre and millimetre;	
	places to the nearest whole number	Recog <mark>nise</mark> mixed		in degrees.	gram and kilogram; litre and	
	and to one decimal place.	numbers and improper		Estimate and compare	millilitre).	
	Mental Calculation:	fractions and convert		acute, obtuse and reflex	Understand and use	
	Add and subtract numbers mentally	from one for <mark>m to</mark> the	SALE	angles.	equivalences between metric	
	with increasingly large numbers.	other and write		identify:	units and common imperial	
	Written methods for addition and	mathematical statements		* angles at a point and one	units such as inches, pounds	
	subtraction:	> 1 as a mixed number		whole turn (total 360°)	and pints.	
	Add and subtract whole numbers with	$\left(\text{e.g.}^{2}/_{5} + {}^{4}/_{5} = {}^{6}/_{5} = 1^{1}/_{5}\right).$		* angles at a point on a		
	more than 4 digits, including using	Multiply proper fractions		straight line and ½ a turn		
	formal written methods (columnar	and mixed numbers by		_		
	addition and subtraction).	whole numbers,		(total 180°)		
	Solve addition and subtraction multi-	supported by materials		* other multiples of 90°		
	step problems in contexts, deciding	and diagrams.				
	which operations and methods to use and why.	Solve problems which				
	Written methods for multiplication					
	and division:	percentage and decimal	N/ (bild			
	Multiply and divide numbers mentally	aguivalents of 1/1/1/	V CIIII	Ja		
	drawing upon known facts.	equivalents of 7, 7, 7, 7, 7, 7, 7, 7	2			
	Multiply and divide whole numbers	$\frac{1}{2}$, $\frac{4}{1}$ and those with a				
	and those involving decimals by 10,	donominator of a	y Chilo lent Le	SKINOK		
	100 and 1000.	multiple of 10 or 25		arner		
	Multiply numbers up to 4 digits by a	Equivalence:				
	one- or two-digit number using a	Identify, name and write				
	and a superior asing a	equivalent fractions of a				
		equivalent nactions of a				



	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.	0.71 = ⁷¹ / ₁₀₀).				
	Solve problems involving multiplication					
	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	r <mark>elat</mark> es to "number of	Y			
	(non-prime) numbers.	parts per hundred", and		7		
	Recognise and use square numbers and	write percentages as a				
	cube numbers, and the notation for	fraction with		y		
	squared (2) and cubed (3).	denominator 100 as a				
	squarea () and cabea ().	decimal fraction.				

Every Child a Confident Learner



division. Where appropriate

for the context divide

units, including centimetre cubed (cm³)

Mathematics Curriculum

	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 deci <mark>mal places.</mark>	units, converting	Find pairs of numbers that	between fractions,	between fractions,
	Place value:	Identify the value 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 <mark>are</mark> 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 th <mark>e 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 and interpret 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 answer in its simplest form	Fraction, Decimal	Co-ordin <mark>ates</mark> ; translation;	Movement:	centimetre cubed (cm ³)
	numbers.	$(e.g. \frac{1}{4} \times \frac{1}{2} = \frac{1}{8}).$	Percentage:	reflection; lines of symmetry	Describe positions on the	2
	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	
	and methods to use and	3/ ₈).	Solve problems involving	calculation of percentages	and use these to solve	Geometry
	why.	/ 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 Whore appropriate	1	grouping using knowledge	1	Ť	, -

grouping using knowledge

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 (m³), and extending to other units such as mm³ and km³. 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 Child			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.

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