Maths Curriculum Map

Year	Autumn	Spring	Summer							
Nursery	Concepts of early number and spatial reasoning outlined in Development Matters are introduced and developed through carpet sessions. These include exploring the composition of a new number each week up to 5 and activities to introduce shape, space and measure. Understanding is then reinforced and deepened at each child's appropriate stage of development through the continuous provision so the children develop positive attitudes to maths and a 'have a go' attitude without fear of making mistakes.									
	 Term 1 Begin to describe a sequence of events, real or fictional, using words such as first, then Count <u>objects</u>, actions and sounds recite numbers to 5 and beyond say one number for each item in order: 1,2,3,4,5. Make comparisons between objects relating to <u>size</u>, length, weight and capacity. Show 'finger numbers' up to 5 Experiment with their own <u>symbols and marks to</u> represent number e.g tallying what pets we have/ animals we like Develop fast recognition of up to 3 objects without having to count them individually (subitise) Term 2 Talk about and explore <u>2D</u> and 3D shapes (for example circles, rectangles, triangles and cuboids) using informal and mathematical language: 'sides', 	 Term 3 Solve real world mathematical problems with numbers up to 5 Make comparisons between objects relating to <u>size</u>, length, weight and <u>capacity</u>. Show 'finger numbers' up to 5 Develop fast recognition of up to 3 objects without having to count them individually (subitise) say one number for each item in order: 1,2,3,4,5 Experiment with their own <u>symbols and marks to</u> as well as numerals where appropriate Talk about and identify the patterns around them. Use informal language like pointy, spotty, blobs etc Talk about and explore <u>2D</u> and 3D shapes (for example circles, rectangles, triangles and cuboids) using informal and mathematical language: 'sides', 'corners'; 'straight', 'flat', 'round' 	 Term 5 Begin to explore the composition of numbers up to 5 Make comparisons between objects relating to size, length, weight and capacity Extend and create ABAB patterns - stick, leaf, stick, leaf Notice and correct an error in a repeating pattern. Link numerals and amounts: for example showing the right number of objects to match the numeral, up to 5 Experiment with their own symbols and marks as well as numerals. Develop fast recognition of up to 3 objects without having to count them individually (subitise) Term 6 Describe a familiar route Discuss routes and locations Understand position through words alone Solve real world mathematical 							

	 'corners'; 'straight', 'flat', 'round'- through collage, construction and playing with shape kits Know that the last number reached when counting a small set of objects tells you how many there are in total ('cardinal principle') Make comparisons between objects relating to <u>size</u>, length, weight and capacity. Begin to describe a sequence of events, real or fictional, using words such as first, then Count <u>objects</u>, actions and sounds Show 'finger numbers' up to 5. Develop fast recognition of up to 3 objects without having to count them individually (subitise) Talk about and identify the patterns around them. For example: stripes on clothes and zebras, spots on clothes. Use informal language like pointy, spotty, blobs etc say one number for each item in order: 1,2,3,4,5 	 Make comparisons between objects relating to size, length, <u>weight and capacity</u>. Talk about and explore 2D and <u>3D</u> shapes Solve real world mathematical problems with numbers up to 5. Know that the last number reached when counting a small set of objects tells you how many there are in total ('cardinal principle') Begin to describe a sequence of events using words such as 'first', 'then' Understand position through words alone Experiment with their own symbols and marks as well as numerals. Link numerals and amounts: for example showing the right number of objects to match the numeral, up to 5 	 problems with numbers up to 5 Experiment with their own <u>symbols</u> <u>and marks to</u> represent number e.g tallying what pets we have/ animals we like Begin to explore the composition of numbers up to 5 Develop fast recognition of up to 3 objects without having to count them individually (subitise) Notice and correct an error in a repeating pattern. Link numerals and amounts: for example showing the right number of objects to match the numeral, up to 5 Select shapes appropriately: flat surfaces for building, triangular prism for a roof Combine shapes to make new ones, an arch, a bigger triangle etc
Reception	Mastering Number Overview: Autumn term Pupils will build on previous experiences of number from their home and nursery environments, and further develop their subitising and counting skills. They will explore the composition of numbers within 5. They will begin to compare sets of objects and use the language of comparison.	Mastering Number Overview: Spring term Pupils will continue to develop their subitising and counting skills and explore the composition of numbers within and beyond 5. They will begin to identify when two sets are equal or unequal and connect two equal groups to doubles. They will begin to connect quantities to numerals.	Mastering Number Overview: Summer term Pupils will consolidate their counting skills, counting to larger numbers and developing a wider range of counting strategies. They will secure knowledge of number facts through varied practice.
	White Rose Shape, Space and Measure: Talk about Measure and Pattern Circles and Triangles Shapes with 4 sides	White Rose Shape, Space and Measure: Mass and Capacity Length, Height and Time Explore 3D shapes	White Rose Shape, Space and Measure: Visualise, Build and Map

Year 1	Weeks 1-5 Number - Place Value (within 10) Weeks 6-10 Number - Addition and Subtraction Week 11- Geometry- Shape	Weeks 1-3 Number - Place Value (within 20) Weeks 4-6 Number - Addition and Subtraction (within 20) Week 7-8 Number - Place Value (within 50) Weeks 9-10 Measurement - Length and Height Weeks 11-12 Measurement - Mass and Volume	Weeks 1-3 Number - Multiplication and Division Weeks 4-5 Number - Fractions Week 6 Geometry - Position and direction Weeks 7-8 Number - Place Value (within 100) Weeks 10-11 Measurement - Time	
Year 2	Weeks 1-4 Number - Place Value Weeks 5-9 Number - Addition and Subtraction Weeks 10-12 Geometry - Shape	Weeks 1-2 Measurement- Money Weeks 3-7 Number - Multiplication and Division Weeks 8-9 Measurement - Length and Height Weeks 10-12 Measurement - Mass, Capacity and Temperature	Weeks 1-3 Number - Fractions Weeks 4-6 Measurement - Time Weeks 7-8 Statistics Weeks 9-10 Geometry - Position and Direction	
Year 3	Weeks 1-3 Number - Place Value Weeks 4-8 Number - Addition and Subtraction Weeks 9-12 Number - Multiplication and Division	Weeks 1-3 Number - Multiplication and Division Weeks 4-6 Measurement - Length and Perimeter Weeks 7-9 Number - Fractions Weeks 10-12 Measurement - Mass and Capacity	Weeks 1-2 Number - Fractions Weeks 3-4 Measurement - Money Weeks 5-7 Measurement - Time Weeks 8-9 Geometry - Shape Weeks 10-11 Statistics	
Year 4	Weeks 1-4 Number - Place Value Weeks 5-7 Number - Addition and Subtraction Week 8-Measurement - Area Weeks 9-11 Number - Multiplication and Division	Weeks 1-3 Number - Multiplication and Division Weeks 4-5 Measurement - Length and Perimeter Weeks 6-9 Number - Fractions Weeks 10-12 Number - Decimals	Weeks 1-2 Number - Decimals Weeks 3-4 Measurement - Money Weeks 5-6 Measurement - Time Week 7 Consolidation Weeks 8-9 Geometry - Shape Week 10 Statistics Weeks 11-12 Geometry - Position and Direction	
Year 5	Weeks 1-3 Number - Place Value Weeks 4-5 Number - Addition and Subtraction Weeks 6-8 Number - Multiplication and Division Weeks 9-12 Number - Fractions	Weeks 1-3 Number - Multiplication and Division Weeks 4-5 Number - Fractions Weeks 6-8 Number - Decimals and Percentages Weeks 9-10 Measurement - Perimeter and Area Weeks 11-12 Statistics	Weeks 1-3 Geometry - Shape Weeks 4-5 Geometry - Position and Direction Weeks 6-8 Number - Decimals Week 9 Number - Negative Numbers Weeks 10-11 Measurement - Converting Units Week 12 Measurement - volume	
	Weeks 1-2 Number - Place Value	Weeks 1-2 Number - Algebra	Weeks 1-4 Consolidation (various strands)	

Year 6	Weeks 3-6 Number - Addition, Subtraction, Multiplication, Division Weeks 7-9 Number - Fractions Weeks 10 Measurement - Converting Units Weeks 11-12 Number - Ratio	Weeks 3-4 Number - Decimals Weeks 5-6 Number - Fractions, Decimals and Percentages Weeks 7-8 Measurement - Area, Perimeter, Volume Weeks 9 Statistics Week 10 Geometry - Shape Week 11 Geometry - Position and direction Week 12 - Consolidation	Week 5 SATS Weeks 6-12 Themed projects, consolidation and problem solving
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Progression of skills in Maths

	EYFS (Reception):	Key Stage 1:	Key Stage 2:
Statutory Framework Objectives	 ELG: Number Children at the expected level of development will: Have a deep understanding of number to 10, including the composition of each number Subitise (recognise quantities without counting) up to 5 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. ELG: Numerical Patterns Children at the expected level of development will: 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; Explore and represent patterns within numbers up to 10, including evens and odds, double facts and how quantities can be distributed equally. Development matters Mastering Number: Reception Overview Term by term strands 	Mastering Number: Year 1 overview Year 2 overview Mathematics Programmes of Study: KS1 and KS2	Mathematics Programmes of Study: KS1 and KS2

Year	Nursery	Reception	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Strand: Number - Place value (including negative numbers strand)	 Develop fast recognition of up to 3 objects, without having to count them individually ('subitising'). Recite numbers past 5. 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: for example, showing the right number of objects to match the numeral, up to 5. Experiment with their own symbols and marks as well as numerals. Solve real world mathematical problems with numbers up to 5. Compare quantities using language: 'more than', 'fewer than'. Point to small groups of two or three objects: "Look, there are in a small set of two or three. Regularly say the counting sequence, in a variety of playful contexts, inside and outdoors, forwards 	Mastering Number Autumn • identify when a set can be subitised and when counting is needed • subitise different arrangements, both unstructured and structured, including using the Hungarian number frame • make different arrangements of numbers within 5 and talk about what they can see, to develop their conceptual subitising skills • spot smaller numbers 'hiding' inside larger numbers 'hiding' inside larger numbers to finger patterns and explore different ways of representing numbers on their fingers • hear and join in with the counting sequence, and connect this to the 'staircase' pattern of the counting numbers, seeing that each number is made of one more than the previous number • develop counting skills and knowledge, including: that the last number in the count tells us 'how many' (cardinality); to be accurate in counting, each thing must be counted once and once only and in any order; the need for 1:1	Count count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number Count numbers to 100 in numerals; count in multiples of twos, fives and tens <u>Represent</u> identify and represent numbers using objects and pictorial representations • read and write numbers to 100 in numerals • read and write numbers from 1 to 20 in numerals and words <u>Use and compare</u> given a number, identify one more and one less <u>Small steps</u> <u>sequence Autumn</u> Step 1: Sort objects Step 5: Recognise numbers as words Step 4: Represent objects Step 5: Recognise numbers as words Step 6: Count on from any number Step 7: Understand 1 more Step 8: Count backwards within 10 Step 9: Understand 1 less Step 11: Understand fewer, more, same	Count count in steps of 2, 3, and 5 from 0, and in tens from any number, forward and backwardRepresent read and write numbers to at least 100 in numerals and in words • identify, represent and estimate numbers using different representations, including the number lineUse and compare recognise the place value of each digit in a two-digit number (tens, ones) • compare and order numbers from 0 up to 100; use <, > and = signsProblems and Rounding use place value and number facts to solve problemsSmall steps sequence Autumn Step 1: Understand numbers to 20Step 2: Count objects to 100 by making 10s Step 3: Recognise tens and ones Step 4: Use a place value chartStep 7: Flexibly partition numbers to 20	Count count from 0 in multiples of 4, 8, 50 and 100; find 10 or 100 more or less than a given number <u>Represent</u> identify, represent and estimate numbers using different representations • read and write numbers up to 1000 in numerals and in words <u>Use and compare</u> recognise the place value of each digit in a three-digit number (hundreds, tens, ones) • compare and order numbers up to 1000 <u>Problems and</u> <u>Rounding</u> solve number problems and practical problems involving these ideas <u>Small steps</u> <u>sequence Autumn</u> Step 1: Represent numbers to 100 Step 2: Partition numbers to 100 Step 3: Understand and use a number line to 100 Step 4: Understand hundreds Step 5: Represent numbers to 1,000 Step 7: Flexibly partition numbers to 1,000	Count count in multiples of 6, 7, 9, 25 and 1000 • count backwards through zero to include negative numbers <u>Represent</u> identify, represent and estimate numbers using different representations • 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 <u>Use and compare</u> Find 1000 more or less than a given number • recognise the place value of each digit in a four-digit number (thousands, hundreds, tens, and ones) • order and compare numbers beyond 1000 <u>Problems and Rounding</u> • round any number to the nearest 10, 100 or 1000 • solve number and practical problems that involve all of the above and with increasingly large positive numbers	Count count forwards or backwards in steps of powers of 10 for any given number up to 1 000 000 · count forwards and backwards with positive and negative whole numbers, including through zero <u>Represent</u> read, write, (order and compare) numbers to at least 1 000 000 and determine the value of each digit · read Roman numerals to 1000 (M) and recognise years written in Roman numerals <u>Use and compare</u> (read, write) order and compare numbers to at least 1 000 000 and determine the value of each digit <u>Problems and Rounding</u> · interpret negative numbers in context · round any number up to 1 000 000 to the nearest 10, 100, 1000, 10 000 and 100 000 · solve number problems and practical problems that involve all of the above <u>Small steps</u> <u>sequence Autumn</u>	Represent • read, write, (order and compare) numbers up to 10 000 000 and determine the value of each digit Use and compare (read, write), order and compare numbers up to 10 000 000 and determine the value of each digit Problems and Rounding • round any whole number to a required degree of accuracy • use negative numbers in context, and calculate intervals across zero • solve number and practical problems that involve all of the above Small steps sequence Autumn Step 1: Understand numbers to 10,000,000 Step 3: Read and write numbers to 10,000,000 Step 4: Understand powers of 10 Step 5: Understand and use a number line to 10,000,000 Step 5: Understand and use a number line to 10,00

	pattern within the counting numbers <u>Mastering Number</u> <u>Summer</u> • develop their counting skills, counting larger sets as well as counting actions and sounds • explore a range of representations of numbers, including the 10-frame, and see how doubles can be arranged in a 10-frame • compare quantities and numbers, including sets of objects which have different attributes • develop a sense of magnitude, e.g. knowing that 8 is quite a lot more than 2, but 4 is only a little bit more than 2 • begin to generalise about 'one more than' and 'one less than' numbers within 10 • identify when sets can be subitised and when counting is necessary • develop conceptual subitising skills including when using a rekenrek	tens and ones Step 6: Understand the number line to 50 Step 7: Estimate on a number line to 50 Step 8: Understand 1 more, 1 less <u>Small steps</u> <u>sequence Summer</u> <i>(place value within</i> 100): Step 1: Count from 50 to 100 Step 2: Understand multiples of tens to 100 Step 3: Partition into tens and ones Step 4: Use a number line to 100 Step 5: Understand 1 more, 1 less Step 6: Compare numbers with the same number of tens Step 7: Compare any two numbers					
Strand: Number - Addition and subtraction		Calculations add and subtract one-digit and two digit numbers to 20, including zero read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs represent and use number bonds and	Calculations add and subtract numbers using concrete objects, pictorial representations, and mentally, including: • a two-digit number and ones • a two-digit number and tens • two two-digit numbers • adding three one	Calculations add and subtract numbers mentally, including: • a three-digit number and ones • a three-digit number and tens • a three-digit number and hundreds • add and subtract numbers with up to three digits, using formal written	Calculations add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate <u>Problems</u> solve addition and subtraction two-step problems	Calculations add and subtract whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction) • add and subtract numbers mentally with increasingly large numbers	Calculations • perform mental calculations, including with mixed operations and large numbers • use their knowledge of the order of operations to carry out calculations involving the four operations

	related subtraction facts within 20 <u>Problems</u> solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems outper 2 = 0.0	digit numbers <u>Problems</u> solve problems with addition and subtraction: • using concrete objects and pictorial representations, including those involving numbers, quantities and measures • applying their inconsing	methods of columnar addition and subtraction <u>Problems</u> solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction	in contexts, deciding which operations and methods to use and why <u>Small steps</u> <u>sequence Autumn</u> Step 1: Add and subtract 1s, 10s, 100s and 1,000s Step 2: Add up to two 4-digit numbers (no exchange) Step 3: Add two	Problems solve addition and subtraction multi step problems in contexts, deciding which operations and methods to use and why • solve problems involving addition, subtraction, multiplication and division and a combination of	Problems solve addition and subtraction multi step problems in contexts, deciding which operations and methods to use and why <u>Small steps</u> <u>sequence Autumn</u> (addition, subtraction multiplication and division) Step 1: Add and
	such as 7 = c – 9	increasing knowledge of	<u>Small steps</u> sequence Autumn	Step 3: Add two 4-digit numbers –	these, including understanding the	Step 1: Add and subtract integers
		mental and written	Step 1: Apply number	(one exchange)	meaning of the	Step 2: Identify
	Small steps	methods	bonds within 10	Step 4: Add two	equals sign	common factors
	sequence Autumn		Step 2: Add and	4-digit numbers –	- 13	Step 3: Identify
	(within 10)	Small steps	subtract 1s	(more than one	Small steps	common multiples
	Step 1: Explore parts	sequence Autumn	Step 3: Add and	exchange)	sequence Autumn	Step 4: Understand
	and wholes	Step 1: Understand	subtract 10s	Step 5: Subtract two	Step 1: Add and	the rules of divisibility
	Step 2: Understand	bonds to 10	Step 4: Add and	4-digit numbers – (no	subtract numbers	Step 5: Identify
	and use Part-whole	Step 2: Understand	subtract 100s	exchange)	mentally (use mental	primes to 100
	model	fact families -	Step 5: Spot patterns	Step 6: Subtract two	strategies)	Step 6: Square and
	Step 3: Write number	addition and	when adding and	4-digit numbers -	Step 2: Add whole numbers with more	cube numbers
	sentences Step 4: Understand	subtraction bonds within 20	subtracting 1s, 10s or 100s	(one exchange) Step 7: Subtract two	than four digits	Step 7: Multiply up to a 4-digit number by a
	fact families -	Step 3: Understand	Step 6: Add 1s across	4-digit numbers –	Step 3: Subtract	2-digit number
	addition facts	related facts	a 10	(more than one	whole numbers with	Step 8: Solve
	Step 5: Identify	Step 4: Understand	Step 7: Add 10s	exchange)	more than four digits	problems with
	number bonds within	bonds to 100 (tens)	across a 100	Step 8: Identify	Step 4: Round to	multiplication
	10	Step 5: Add and	Step 8: Subtract 1s	efficient subtraction	check answers	Step 9: Use short
	Step 6: Understand	subtract 1s	across a 10	methods	Step 5: Use inverse	division
	systematic number	Step 6: Add by	Step 9: Subtract 10s	Step 9: Estimate	operations (addition	Step 10: Divide using
	bonds within 10	making 10	across a 100	answers	and subtraction)	factors
	Step 7: Understand	Step 7: Add three	Step 10: Make	Step 10: Use inverse	Step 6: Solve	Step 11: Use long
	and use number	1-digit numbers	connections between	and estimation	multi-step addition	division
	bonds to 10	Step 8: Add to the	calculations	strategies to check	and subtraction	Step 12: Use long
	Step 8: Add together Step 9: Add more	next 10 Step 9: Add across a	Step 11: Add two numbers (no	calculations	problems Step 7: Compare	division with remainders
	Step 10: Solve	10	exchange)		calculations	Step 13: Solve
	addition problems	Step 10: Subtract	Step 12: Subtract two		Step 8: Find missing	problems with
	Step 11: Find a part	across 10	numbers (no		numbers	division
	(subtraction)	Step 11: Subtract	exchange)			Step 14: Solve
	Step 12: Explore	from a 10	Step 13: Add two			multi-step problems
	subtraction – find a	Step 12: Subtract a	numbers (across a			Step 15: Understand
	part	1-digit number from a	10)			the order of priority
	Step 13: Understand	2-digit number	Step 14: Add two			for operations
	fact families – the	(across a 10)	numbers (across a			Step 16: Use mental
	eight facts	Step 13: Understand	100)			calculations and
	Step 14: Subtract by	10 more, 10 less	Step 15: Subtract			estimation
	taking away/crossing out (How many left?)	Step 14: Add and subtract 10s	two numbers (across a 10)			Step 17: Reason from known facts
	Step 15: Subtract by	Step 15: Add two	Step 16: Subtract			KIOWIT IUCIS
	taking away <i>(How</i>	2-digit numbers (not	two numbers (across			

		many left?) Step 16: Subtract on a number line Step 17: Add or subtract 1 or 2 Small steps sequence Spring (within 20) Step 1: Add by counting on within 20 Step 2: Add ones using number bonds Step 3: Find and make number bonds to 20 Step 4: Understand doubles Step 5: Use near doubles Step 5: Subtract ones using number bonds Step 7: Subtract - counting back Step 8: Subtract - finding the difference Step 9: Know related facts Step 10: Solve missing number problems	across a 10) Step 16: Add two 2-digit numbers (across a 10) Step 17: Subtract two 2-digit numbers (not across a 10) Step 18: Subtract two 2-digit numbers (across a 10) Step 19: Solve mixed addition and subtraction Step 20: Compare number sentences Step 21: Solve missing number problems	a 100) Step 17: Add 2-digit and 3-digit numbers Step 18: Subtract a 2-digit number from a 3-digit number Step 19: Find complements to 100 Step 20: Estimate answers Step 21: Use inverse operations Step 22: Select the most appropriate method to solve a problem (make decisions)			
Strand: Number - Multiplication and division		Problems Solve one-step problems involving multiplication and division, by calculating the answer using concrete objects, pictorial representations and arrays with the support of the teacher Small steps sequence Summer Step 1: Count in 2s Step 2: Count in 10s Step 3: Count in 5s Step 4: Recognise equal groups Step 5: Add equal groups Step 6: Make arrays	Recall/Use recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers • show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot Calculations calculate mathematical statements for multiplication and	Recall/Use recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables Calculations write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two- digit numbers times one-digit numbers, using mental and progressing to formal written methods	Recall/Use recall multiplication and division facts for multiplication tables up to 12 × 12 • 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 • recognise and use factor pairs and commutativity in mental calculations <u>Calculations</u> multiply two-digit and three-digit numbers by a one-	Recall/Use identify multiples and factors, including finding all factor pairs of a number, and common factors of two numbers • know and use the vocabulary of prime numbers, prime factors and composite (non- prime) numbers • establish whether a number up to 100 is prime and recall prime numbers up to 19 • recognise and use square numbers, and the notation for squared (2) and	Recall/Use identify common factors, common multiples and prime numbers • use estimation to check answers to calculations and determine, in the context of a problem, an appropriate degree of accuracy Calculations multiply multi-digit numbers up to 4 digits by a two-digit whole number using the formal written method of long multiplication • divide numbers up

	Step 7: Make doubles	division within the		digit number using	cubed (3)	to 4 digits by a
	Step 8: Make equal	multiplication	Problems	formal written		two-digit whole
	groups - grouping	tables and write	solve problems,	layout	Calculations	number using the
	Step 9: Make equal	them using the	including missing		multiply numbers	formal written
	groups – sharing	multiplication (×),	number problems,	Problems	up to 4 digits by a	method of long
	5 - 5	division (÷) and	involving	solve problems	one- or two- digit	division, and
		equals (=) signs	multiplication and	involving	number using a	interpret
			division, including	multiplying and	formal written	remainders as
		Problems	positive integer	adding, including	method, including	whole number
		solve problems	scaling problems	using the	long multiplication	remainders,
		involving	and	distributive law to	for two-digit	fractions, or by
		multiplication and	correspondence	multiply two digit	numbers	rounding, as
		division, using	problems in which n	numbers by one	 multiply and 	appropriate for the
		materials, arrays,	objects are	digit, integer	divide numbers	context
		repeated addition,	connected to m	scaling problems	mentally drawing	• divide numbers up
		mental methods,	objects	and harder	upon known facts	to 4 digits by a
		and multiplication		correspondence	• divide numbers up	two-digit number
		and division facts,	Small steps	problems such as n	to 4 digits by a	using the formal
		including problems	sequence Autumn	objects are	one-digit number	written method of
		in contexts	(multiplication and	connected to m	using the formal	short division
			division A)	objects	written method of	where appropriate,
			Step 1: Multiply	-	short division and	interpreting
		Small steps	using equal groups		interpret	remainders
		sequence Spring	Step 2: Use arrays		remainders	according to the
		Step 1: Recognise	Step 3: Identify	Small steps	appropriately for	context
		equal groups	multiples of 2	sequence Autumn	the context	 perform mental
		Step 2: Make equal	Step 4: Identify	(multiplication and	 multiply and 	calculations,
		groups	multiples of 5 and 10	division A)	divide whole	including with
		Step 3: Add equal	Step 5: Share and	Step 1: Identify	numbers and those	mixed operations
		groups	group	multiples of 3	involving decimals	and large numbers
		Step 4: Understand	Step 6: Multiply by 3	Step 2: Multiply and	by 10, 100 and	_
		the multiplication	Step 7: Divide by 3	divide by 6	1000	<u>Problems</u>
		symbol	Step 8: Recall and	Step 3: Recall and		solve problems
		Step 5: Solve	use the 3 times-table	use the 6 times-table	<u>Problems</u>	involving addition,
		multiplication	Step 9: Multiply by 4	and related division	solve problems	subtraction,
		sentences	Step 10: Divide by 4	facts	involving	multiplication and
		Step 6: Use arrays	Step 11: Understand	Step 4: Multiply and	multiplication and	division
		Step 7: Make equal	the 4 times-table	divide by 9	division including	
		groups - grouping	Step 12: Multiply by 8	Step 5: Recall and	using their	Combined
		Step 8: Make equal	Step 13: Divide by 8	use the 9 times-table	knowledge of	use their knowledge
		groups – sharing	Step 14: Recall and	and related division	factors and	of the order of
		Step 9: Recall and	use the 8 times-table	facts	multiples, squares	operations to carry
		use the 2 times-table	Step 15: Recall and	Step 6: Recall and	and cubes	out calculations
		Step 10: Divide by 2	use the 2, 4 and 8	use the 3, 6 and 9	solve problems	involving the four
		Step 11: Double and	times-tables	times-tables	involving	operations
		halve numbers		Step 7: Multiply and	multiplication and	
		Step 12: Identify odd	Small steps	divide by 7	division, including	Small steps
		and even numbers	sequence Spring	Step 8: Recall and	scaling by simple	sequence Autumn
		Step 13: Recall and	(multiplication and	use the 7 times-table	fractions and	(addition, subtraction
		use the 10	division B)	and related division	problems involving	multiplication and
		times-table	Step 1: Understand	facts	simple rates	division)
		Step 14: Divide by 10	multiples of 10	Step 9: Recall and		Step 1: Add and
		Step 15: Recall and	Step 2: Explore	use the 11 times-table	Combined	subtract integers
		use the 5 times-table	related calculations	and related division	solve problems	Step 2: Identify
		Step 16: Divide by 5	Step 3: Reason about	facts	involving addition,	common factors
		Step 17: Recall and	multiplication	Step 10: Recall and	subtraction,	Step 3: Identify

		use the 5 and 10 times-tables	Step 4: Multiply a 2-digit number by a 1-digit number – no exchange Step 5: Multiply a 2-digit number by a 1-digit number – with exchange Step 6: Link	use the 12 times-table and related division facts Step 11: Multiply by 1 and 0 Step 12: Divide a number by 1 and itself	multiplication and division and a combination of these, including understanding the meaning of the equals sign	common multiples Step 4: Understand the rules of divisibility Step 5: Identify primes to 100 Step 6: Square and cube numbers Step 7: Multiply up to a 4-digit number by a
			multiplication and division Step 7: Divide a 2-digit number by a 1-digit number – no exchange Step 8: Divide a 2-digit number by a 1-digit number – use flexible partitioning Step 9: Divide a 2-digit number by a	Step 13: Multiply three numbers Small steps sequence Spring (multiplication and division B) Step 1: Understand factor pairs Step 2: Use factor pairs Step 3: Multiply by 10 Step 4: Multiply by	Small steps sequence Autumn (multiplication and division A) Step 1: Identify multiples Step 2: Find common multiples Step 3: Identify factors Step 4: Find common factors	2-digit number Step 8: Solve problems with multiplication Step 9: Use short division Step 10: Divide using factors Step 11: Use long division Step 12: Use long division with
			2-aigit number by a 1-digit number – with remainders Step 10: Understand scaling Step 11: Explore different combinations (How many ways?)	Step 4: Multiply by 100 Step 5: Divide by 10 Step 6: Divide by 100 Step 7: Recall and use related facts – multiplication and division Step 8: Understand informal written methods for multiplication	Step 5: Identify prime numbers Step 6: Recognise and use square numbers Step 7: Recognise and use cube numbers Step 8: Multiply by 10, 100 and 1,000	alvision with remainders Step 13: Solve problems with division Step 14: Solve multi-step problems Step 15: Understand the order of priority for operations Step 16: Use mental calculations and
				multiplication Step 9: Multiply a 2-digit number by a 1-digit number Step 10: Multiply a 3-digit number by a 1-digit number Step 11: Divide a 2-digit number (1) Step 12: Divide a 2-digit number by a	Step 9: Divide by 10, 100 and 1,000 Step 10: Multiply and divide by multiples of 10, 100 and 1,000 Small steps sequence Spring (multiplication and division B) Step 1: Multiply up to a 4-digit number by a	estimation Step 17: Reason from known facts
				1-digit number by a 1-digit number (2) Step 13: Divide a 3-digit number by a 1-digit number Step 14: Solve correspondence problems Step 15: Use efficient multiplication methods	1-digit number Step 2: Multiply a 2-digit number by a 2-digit number (area model) Step 3: Multiply a 2-digit number by a 2-digit number Step 4: Multiply a 3-digit number by a 2-digit number by a	
					Step 5: Multiply a 4-digit number by a	

						2-digit number Step 6: Solve problems with multiplication Step 7: Use short division Step 8: Divide a 4-digit number by a 1-digit number Step 9: Divide with remainders Step 10: Use efficient division methods Step 11: Solve problems with multiplication and division	
Strand: Number - Fractions		Recognise and Write 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 Small steps sequence Summer Step 1: Recognise a half of an object or a shape Step 2: Find a half of an object or a shape Step 3: Recognise a half of a quantity Step 4: Find a half of a quantity Step 5: Recognise a quarter of an object or a shape Step 6: Find a quarter of an object or a shape Step 7: Recognise a quarter of a quantity Step 8: Find a quarter of a quantity Step 8: Find a	Recognise and Write recognise, find, name and write fractions of a length, shape, set of objects or quantityCompare • Recognise the equivalence of 2 quarters and 1 halfCalculations write simple fractions for example, ½ of 6 = 3Small steps sequence Summer Step 1: Understand parts and a whole Step 2: Identify equal and unequal partsStep 3: Recognise a halfStep 4: Find a half Step 5: Recognise a quarterStep 5: Recognise a thirdstep 7: Recognise a thirdstep 7: Recognise a thirdstep 8: Find a third Step 9: Find the wholeStep 10: Understand	Recognise and Write count up and down in tenths; recognise that tenths arise from dividing an object into 10 equal parts and in dividing one-digit numbers or quantities by 10 • recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators • recognise and use fractions as numbers: unit fractions ad non-unit fractions with small denominators • recognise and use fractions as numbers: unit fractions as numbers: unit fractions and non-unit fractions with small denominators • recognise and show, using diagrams, equivalent fractions with small denominators • compare and order unit fractions, and fractions with the same	Recognise and Write count up and down in hundredths; recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten.Compare recognise and show, using diagrams, families of common equivalent fractionsCalculations add and subtract fractions with the same denominatorSolve problems involving increasingly harder fractions to divide quantities, and fractions where the answer is a whole numbersolve simple	Recognise and Write • identify, name and write equivalent fractions of a given fraction, represented visually, including tenths and hundredths • recognise mixed numbers and improper fractions and convert from one form to the other and write mathematical statements > 1 as a mixed number Compare compare and order fractions whose denominators are all multiples of the same number Calculations add and subtract fractions with the same denominators that are multiples of the same number • multiply proper fractions and mixed numbers, supported	Compare use common factors to simplify fractions; use common multiples to express fractions in the same denomination • compare and order fractions, including fractions > 1 Calculations add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions • multiply simple pairs of proper fractions, writing the answer in its simplest form • divide proper fractions by whole numbers Small steps sequence Autumn (fractions A) Step 1: Understand and use equivalent fractions to simplify Step 2: Use and find

		unit fractions Step 11: Understand non-unit fractions Step 12: Recognise the equivalence of a half and two-quarters Step 13: Recognise	denominators <u>Calculations</u> add and subtract fractions with the same denominator within one whole	measure and money problems involving fractions <u>Small steps</u> <u>sequence Spring</u> Step 1: Understand	by materials and diagrams <u>Small steps</u> <u>sequence Autumn</u> (fractions A) Step 1: Find fractions	equivalent fractions on a number line Step 3: Compare and order fractions with the same denominator Step 4: Compare and
		three-quarters Step 14: Find three-quarters Step 15: Count in fractions up to a whole	solve problems that involve all of the above <u>Small steps</u>	the whole Step 2: Count beyond 1 Step 3: Partition a mixed number Step 4: Understand number lines with	equivalent to a unit fraction Step 2: Find fractions equivalent to a non-unit fraction Step 3: Recognise equivalent fractions	order fractions with the same numerator Step 5: Add and subtract simple fractions Step 6: Add and subtract any two
			sequence Spring Step 1: Understand the denominators of unit fractions Step 2: Compare and order unit fractions Step 3: Understand	mixed numbers Step 5: Compare and order mixed numbers Step 6: Understand improper fractions	equivalent fractions Step 4: Convert improper fractions to mixed numbers Step 5: Convert mixed numbers to improper fractions	subtract any two fractions Step 7: Add mixed numbers Step 8: Subtract mixed numbers Step 9: Solve
			Step 3: Understand the numerators of non-unit fractions Step 4: Understand the whole Step 5: Compare and order non-unit	Step 7: Convert mixed numbers to improper fractions Step 8: Convert improper fractions to mixed numbers	Step 6: Compare fractions less than 1 Step 7: Order fractions less than 1 Step 8: Compare and	multi-step problems <u>Small steps</u> <u>sequence Autumn</u> (fractions B)
			order non-unit fractions Step 6: Interpret scales using fractions Step 7: Understand how fractions can be	Step 9: Explore equivalent fractions on a number line Step 10: Explore equivalent fraction families	order fractions greater than 1 Step 9: Add and subtract fractions with the same denominator	Step 1: Multiply fractions by integers Step 2: Multiply fractions by fractions Step 3: Divide a fraction by an integer
			shown on a number line Step 8: Count in fractions on a number line Step 9: Find	Step 11: Add two or more fractions Step 12: Add fractions and mixed numbers Step 13: Subtract	Step 10: Add fractions within 1 Step 11: Add fractions with total greater than 1 Step 12: Add to a	Step 4: Divide any fraction by an integer Step 5: Solve mixed questions with fractions (and identify the operation
			equivalent fractions on a number line Step 10: Find equivalent fractions using bar models	two fractions Step 14: Subtract from whole amounts Step 15: Subtract from mixed numbers	mixed number Step 13: Add two mixed numbers Step 14: Subtract fractions Step 15: Subtract	to use.) Step 6: Find fractions of an amount Step 7: Find the whole from a fraction of an amount
			Small steps sequence Summer (fractions B) Step 1: Add fractions Step 2: Subtract fractions		from a mixed number Step 16: Subtract from a mixed number - breaking the whole Step 17: Subtract two mixed number	<u>Small steps</u> <u>sequence Spring</u> (fractions, decimals and percentages)
			Step 3: Partition the whole Step 4: Find unit fractions of a set of objects		mixed numbers <u>Small steps</u> <u>sequence Spring</u> (fractions B)	Step 1: Understand decimal and fraction equivalents Step 2: Understand fractions as division Step 3: Calculate
			Step 5: Find non-unit fractions of a set of		Step 1: Multiply a unit fraction by an	percentages Step 4: Convert

			objects Step 6: Reason with fractions of an amount		integer Step 2: Multiply a non-unit fraction by an integer Step 3: Multiply a mixed number by an integer Step 4: Calculate a fraction of a quantity Step 5: Find a fraction of an amount Step 6: Find the whole Step 7: Use fractions as operators	fractions to percentages Step 5: Calculate equivalent fractions, decimals and percentages Step 6: Order fractions, decimals and percentages Step 7: Calculate a percentage of an amount (one step) Step 8: Calculate a percentage of an amount (multi-step) Step 9: Calculate the whole number from a given percentage (missing values).
Strand: Number - Decimals				Recognise, Write and Compare (FDP) recognise and write decimal equivalents of any number of tenths or hundredths • recognise and write decimal equivalents to ¼, ½, ¾ • round decimals with one decimal place to the nearest whole number • compare numbers with the same number of decimal places up to two decimal places solve simple measure and money problems involving fractions and decimals to two decimal places Small steps sequence Spring (decimals A) Step 1: Explore tenths as fractions Step 2: Explore	Recognise, Write and Compare (FDP) read and write decimal numbers as fractions • recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents • round decimals with two decimal places to the nearest whole number and to one decimal place • read, write, order and compare numbers with up to three decimal places <u>Small steps</u> <u>sequence Spring</u> (decimals and percentages) Step 1: Understand decimals up to 2 decimal places Step 2: Understand equivalent fractions and decimals (tenths) Step 3: Understand equivalent fractions	Recognise, Write and Compare (FDP)identify the value of each digit in numbers given to three decimal placesSmall steps sequence SpringStep 1: Understand place value within 1 Step 2: Understand place value (integers and decimals)Step 3: Round decimalsStep 4: Add and subtract decimalsStep 5: Multiply by 10, 100 and 1,000Step 7: Multiply decimals by integersStep 8: Divide decimals by integersStep 9: Multiply and divide decimals in contextSmall steps sequence Spring (fractions, decimals and percentages)

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			tenths as decimals	and decimals	Step 1: Understand
			Step 3: Explore	(hundredths)	decimal and fraction
			tenths on a place	Step 4: Calculate	equivalents
			value chart	equivalent fractions	Step 2: Understand
			Step 4: Explore	and decimals	fractions as division
			tenths on a number	Step 5: Understand	Step 3: Calculate
					-
			line	thousandths as	percentages
			Step 5: Divide a	fractions	Step 4: Convert
			1-digit number by 10	Step 6: Understand	fractions to
			Step 6: Divide a	thousandths as	percentage
			2-digit number by 10	decimals	equivalents
			Step 7: Explore	Step 7: Understand	Step 5: Calculate
			hundredths as	thousandths on a	equivalent fractions,
			fractions	place value chart	decimals and
			Step 8: Explore	Step 8: Order and	percentages
			hundredths as	compare decimals	Step 6: Order
			decimals	(same number of	fractions, decimals
			Step 9: Explore	decimal places)	and percentages
			hundredths on a	Step 9: Order and	Step 7: Calculate a
			place value chart	compare any	percentage of an
			Step 10: Divide a 1-	decimals with up to 3	amount (one step)
			or 2-digit number by	decimal places	Step 8: Calculate a
			100	Step 10: Round to	percentage of an
			100	the nearest whole	amount (multi-step)
			Small steps	number	Step 9: Calculate the
			sequence Summer	Step 11: Round to 1	whole number from a
			(decimals B)	decimal place	given percentage
				Step 12: Understand	given percentage
			Step 1: Make a whole	-	
			with tenths	percentages	
			Step 2: Make a whole	Step 13: Calculate	
			with hundredths	percentages as	
			Step 3: Partition	fractions	
			decimals	Step 14: Calculate	
			Step 4: Flexibly	percentages as	
			partition decimals	decimals	
			Step 5: Compare	Step 15: Calculate	
			decimals	equivalent fractions,	
			Step 6: Order	decimals and	
			decimals	percentages	
			Step 7: Round to the		
			nearest whole	<u>Small steps</u>	
			number	sequence Summer	
			Step 8: Find halves	(decimals)	
			and quarters as	Step 1: Use known	
			decimals	facts to add and	
				subtract decimals	
				within 1	
				Step 2: Find	
				complements to 1	
				Step 3: Add and	
				subtract decimals	
				across 1	
				Step 4: Add decimals	
				with the same	
				number of decimal	
				places	

				Step 5: Subtract decimals with the same number of decimal places Step 6: Add decimals with different numbers of decimal places Step 7: Subtract decimals with different numbers of decimal places Step 8: Apply efficient strategies for adding and subtracting decimals Step 9: Understand decimal sequences Step 10: Multiply by 10, 100 and 1,000 Step 11: Divide by 10, 100 and 1,000	
Strand: Number- Percentages				(missing values) Fractions, Decimals and Percentages recognise the percent symbol (%) and understand that per cent relates to 'number of parts per hundred', and write percentages as a fraction with denominator 100, and as a decimal • solve problems which require knowing percentage and decimal equivalents Small steps sequence Spring (decimals and percentages) Step 1: Understand decimal places Step 2: Understand equivalent fractions and decimals (tenths)	Fractions, Decimals and Percentages associate a fraction with division and calculate decimal fraction equivalents for a simple fraction • recall and use equivalences between simple fractions, decimals and percentages, including in different contexts Small steps sequence Spring (fractions, decimals and percentages) Step 1: Understand decimal and fraction equivalents Step 2: Understand fractions as division Step 3: Calculate percentages Step 4: Convert fractions to

				Step 3: Understand equivalent fractions and decimals (hundredths) Step 4: Calculate equivalent fractions and decimals Step 5: Understand thousandths as fractions Step 6: Understand thousandths as decimals Step 7: Understand thousandths on a place value chart Step 8: Order and compare decimals (same number of decimal places) Step 9: Order and compare any decimals with up to 3 decimal places Step 10: Round to the nearest whole number Step 11: Round to 1 decimal place Step 12: Understand percentages Step 13: Calculate percentages as fractions Step 14: Calculate equivalent fractions, decimals and percentages	percentages equivalents Step 5: Calculate equivalent fractions, decimals and percentages Step 6: Order fractions, decimals and percentages Step 7: Calculate a percentage of an amount (multi-step) Step 8: Calculate percentages (missing values)
Strand: Number- Ratio					Ratio and <u>Proportion</u> solve problems involving the relative sizes of two quantities where missing values can be found by using integer

				multiplication and division facts • solve problems involving the calculation/use of percentages for comparison • solve problems involving similar shapes where the scale factor is known or can be found • solve problems involving unequal sharing and grouping using knowledge of fractions and multiples
				multiples Small steps sequence Spring Step 1: Understand additive and multiplicative relationships (Add or multiply?) Step 2: Understand and use ratio language Step 3: Recognise and use the ratio symbol Step 4: Understand the relationship between ratios and fractions Step 5: Use ratio to scale a drawing/ diagram Step 6: Understand the relationship between scale factors and ratio Step 7: Understand similar shapes and use ratio to work out a missing side Step 8: Solve ratio problems
				step 9: Apply strategies for solving proportion problems Step 10: Adjust recipes using

								proportion
Strand: Number- Algebra								Algebra use simple formulae • generate and describe linear number sequences • express missing number problems algebraically • find pairs of numbers that satisfy an equation with two unknowns • enumerate possibilities of combinations of two variables
								Small steps sequence Spring Step 1: Explore 1-step function machines Step 2: Explore 2-step function machines Step 3: Form expressions Step 4: Explore and understand substitution Step 5: Explore and understand formulae Step 6: Form equations Step 7: Solve 1-step equations Step 8: Solve 2-step equations Step 9: Find pairs of values Step 10: Solve problems with two unknowns
Strand: Geometry - Shape	• Talk about and explore 2D and 3D shapes (for example, circles, rectangles, triangles and cuboids) using informal and mathematical	 Select, rotate and manipulate shapes to develop spatial reasoning skills. Compose and decompose shapes so that children recognise a shape can have other 	2-D Shape recognise and name common 2-D shapes [for example, rectangles (including squares), circles and triangles]	2-D Shape identify and describe the properties of 2-D shapes, including the number of sides and line symmetry in a vertical line • identify 2-D	2-D Shape • draw 2-D shapes <u>3-D Shape</u> make 3-D shapes using modelling materials; recognise 3-D shapes in different	2-D Shape compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes • identify lines of	2-D Shape • distinguish between regular and irregular polygons based on reasoning about equal sides and angles. • use the properties	2-D Shape draw 2-D shapes using given dimensions and angles • compare and classify geometric shapes based on their

language: 'sides', 'corners'; 'straight', 'flat', 'round'. • Select shapes appropriately: flat surfaces for building, a triangular prism for a roof, etc. • Combine shapes to make new ones – an arch, a bigger triangle, etc. • Talk about and identify the	shapes within it, just as numbers can. • Continue, copy and create repeating patterns. Small steps sequence Autumn: (circles and triangles) Step 1 Identify and name circles and triangles Step 2 Compare circles and triangles	3-D Shape recognise and name common 3-D shapes [for example, cuboids (including cubes), pyramids and spheres] Small steps sequence Autumn: Step 1: Recognise and name 3-D shapes Step 2: Sort 3-D	shapes on the surface of 3-D shapes, [for example, a circle on a cylinder and a triangle on a pyramid] • compare and sort common 2-D shapes and everyday objects <u>3-D Shape</u> recognise and name common 3-D	orientations and describe them <u>Angles and lines</u> recognise angles as a property of shape or a description of a turn • identify right angles, recognise that two right angles make a half-turn, three make three quarters of a turn	symmetry in 2-D shapes presented in different orientations <u>Angles and lines</u> identify acute and obtuse angles and compare and order angles up to two right angles by size • identify lines of symmetry in 2-D shapes presented in different	of rectangles to deduce related facts and find missing lengths and angles <u>3-D Shape</u> identify 3-D shapes, including cubes and other cuboids, from 2-D representations <u>Angles and lines</u> know angles are measured in	properties and sizes • illustrate and name parts of circles, including radius, diameter and circumference and know that the diameter is twice the radius <u>3-D Shape</u> recognise, describe and build simple 3-D shapes, including making
patterns around	Step 3 Identify	shapes	shapes [for	and four a	orientations	degrees: estimate	nets
them. For example:	shapes in the	Step 3: Recognise	example, cuboids	complete turn;	• complete a simple	and compare acute, obtuse and reflex	Angles and lines
stripes on clothes, designs on rugs and	environment Step 4 Describe	and name 2-D shapes	(including cubes), pyramids and	identify whether angles are greater	symmetric figure with respect to a	angles	<u>Angles and lines</u> find unknown
wallpaper.	position	Step 4: Sort 2-D	spheres]	than or less than a	specific line of	• draw given angles,	angles in any
 Use informal 	posmon	shapes	 compare and sort 	right angle	symmetry	and measure them	triangles,
language like	Small steps	Step 5: Identify	common 3-D	 identify horizontal 	, ,	in degrees	quadrilaterals, and
'pointy', 'spotty',	sequence Autumn:	patterns with 2-D and	shapes and	and vertical lines	Small steps	 identify: 	regular polygons
ʻblobs', etc.	(shapes with 4 sides)	3-D shapes	everyday objects	and pairs of	sequence Summer	 angles at a point 	 recognise angles
	Step 1 Identify and			perpendicular and	Step 1: Understand	and	where they meet at
Encourage children	name shapes with 4		Small steps	parallel lines	angles as turns	one whole turn	a point, are on a
to play freely with	sides		sequence Autumn	Consult stars	Step 2: Identify	(total	straight line, or are
blocks, shapes, shape	Step 2 Combine		Step 1: Recognise	<u>Small steps</u>	angles	360°)	vertically opposite,
puzzles and	shapes with 4 sides Step 3 Identify		2-D and 3-D shapes Step 2: Count sides	sequence Summer Step 1: Understand	Step 3: Compare and order angles	 angles at a point on a 	and find missing angles
shape-sorters. • Sensitively support	shapes in the		on 2-D shapes	the relationship	Step 4: Name and	on a straight line and a	angles
and discuss	environment		Step 3: Count	between turns and	identify properties of	turn (total 180°)	Small steps
questions like: "What	environmeni		vertices on 2-D	angles	different triangles	• other multiples of	sequence Summer
is the same and what	Small steps		shapes	Step 2: Identify right	Step 5: Name and	90°	Step 1: Measure and
is different?"	sequence Spring:		Step 4: Draw 2-D	angles	identify properties of		classify angles
• Encourage children	(explore 3D shapes)		shapes	Step 3: Compare	different	Small steps	Step 2: Calculate
to talk informally	Step 1 Recognise		Step 5: Identify lines	angles	quadrilaterals	sequence Summer	angles
about shape	and name 3D shape		of symmetry on	Step 4: Measure and	Step 6: Name and	Step 1: Understand	Step 3: Calculate
properties using	Step 2 Find 2D		shapes	draw straight lines	identify properties of	and use degrees	vertically opposite
words like 'sharp	shapes within 3D		Step 6: Use lines of	accurately	polygons	Step 2: Classify	angles
corner', 'pointy' or	shapes		symmetry to	Step 5: Recognise	Step 7: Identify lines	angles	Step 4: Calculate
'curvy'.	Step 3 Use 3D		complete shapes	and draw horizontal	of symmetry	Step 3: Estimate	angles in a triangle
Talk about shapes	shapes for tasks		Step 7: Sort 2-D	and vertical lines	Step 8: Complete a	angles	Step 5: Calculate
as you play with them: "We need a	Step 4 Identify 3D shapes in the		shapes Step 8: Count faces	Step 6: Find and	symmetric figure	Step 4: Measure angles up to 180°	angles in a triangle – (special cases)
piece with a straight	environment		on 3-D shapes	identify parallel and perpendicular lines		Step 5: Draw lines	(special cases) Step 6: Calculate
edge."	Step 5 Identify more		Step 9: Count edges	Step 7: Recognise		and angles	angles in a triangle -
 Provide a variety of 	complex patterns		on 3-D shapes	and describe 2-D		accurately	(missing angles)
construction	Step 6 Copy and		Step 10: Count	shapes		Step 6: Calculate	Step 7: Calculate
materials like blocks	continue patterns		vertices on 3-D	Step 8: Draw		angles around a	angles in a
and interlocking	Step 7 Identify		shapes	polygons		point	quadrilateral
bricks.	patterns in the		Step 11: Sort 3-D	Step 9: Recognise		Step 7: Calculate	Step 8: Calculate
 Provide den-making 	environment		shapes	and describe 3-D		angles on a straight	angles in polygons
materials. Allow			Step 12: Make	shapes		line	Step 9: Understand
children to play freely			patterns with 2-D and	Step 10: Make 3-D		Step 8: Calculate	properties of circles
with these materials,			3-D shapes	shapes		lengths and angles in	Step 10: Draw

	outdoors and inside. When appropriate, talk about the shapes and how their properties suit the purpose. • Provide shapes that combine to make other shapes, such as pattern blocks and interlocking shapes, for children to play freely with. When appropriate, discuss the different designs that children make. • Occasionally suggest challenges, so that children build increasingly more complex constructions. • Use tidy-up time to match blocks to silhouettes or fit things in containers, describing and naming shapes. Suggestion: "Where does this triangular one /cylinder /cuboid go?"	Small steps sequence Summer: (visualise, map and build) Step 1 Identify units of repeating patterns Step 2 Create own pattern rules Step 3 Explore own pattern rules				shapes Step 9: Calculate regular and irregular polygons Step 10: Explore 3-D shapes	shapes accurately Step 11: Explore nets of 3-D shapes
Strand: Geometry - Position and direction	 Understand position through words alone – for example, "The bag is under the table," – with no pointing. Describe a familiar route. Discuss routes and locations, using words like 'in front of' and 'behind'. Extend and create ABAB patterns – stick, leaf, stick, leaf. Notice and correct an error in a repeating pattern. Begin to describe a sequence of events, real or fictional, using 	 Continue, copy and create repeating patterns Small steps sequence Autumn (talk about measure and pattern) Step 4 Explore simple patterns Step 5 Copy and continue simple patterns Step 6 Create simple patterns Step 6 Create simple patterns Step 5 Copy and continue simple Step 6 Create simple patterns Step 4 Describe position 	Position and Direction describe position, direction and movement, including whole, half, quarter and three-quarter turns Small steps sequence Summer Step 1: Describe turns Step 2: Describe position – left and right Step 3: Describe position – forwards and backwards Step 4: Describe position – above and below Step 5: Understand	Position and Direction order and arrange combinations of mathematical objects in patterns and sequences • use mathematical vocabulary to describe position, direction and movement, including movement in a straight line and distinguishing between rotation as a turn and in terms of right angles for quarter, half and three-quarter turns (clockwise)	Position and Direction describe positions on a 2-D grid as coordinates in the first quadrant • describe movements between positions as translations of a given unit to the left/right and up/down • plot specified points and draw sides to complete a given polygon <u>Small steps</u> <u>sequence Summer</u> Step 1: Describe position using coordinates	Position and Direction identify, describe and represent the position of a shape following a reflection or translation, using the appropriate language, and know that the shape has not changed Small steps sequence Summer Step 1: Read and plot coordinates Step 2: Problem solve with coordinates Step 4: Translate with coordinates Step 5: Identify lines	Position and Direction 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 Small steps sequence Summer Step 1: Understand the first quadrant Step 2: Read and plot points in four quadrants Step 3: Solve problems with coordinates

	 words such as 'first', 'then' Discuss position in real contexts. Suggestions: how to shift the leaves off a path or sweep water away down the drain. Use spatial words in play, including 'in', 'on', 'under', 'up', 'down', 'besides' and 'between'. Suggestion: "Let's put the troll under the bridge and the billy goat beside the stream." Set up obstacle courses, interesting pathways and hiding places for children to play with freely. When appropriate, ask children to describe their route and give directions to each other. Provide complex train tracks, with loops and bridges, or water-flowing challenges with guttering that direct the flow to a water tray, for children to play freely with. Read stories about journeys, such as 'Rosie's Walk' 	Small steps sequence Spring: (explore 3D shapes) Step 5 Identify more complex patterns Step 6 Copy and continue patterns Step 7 Identify patterns in the environment Small steps sequence Summer: (visualise, map and build) Step 1 Identify units of repeating patterns Step 2 Create own pattern rules Step 3 Explore own pattern rules Step 4 Replicate and build scenes and constructions Step 5 Visualise different positions Step 6 Describe positions	ordinal numbers	Small steps sequence Summer Step 1: Understand the language of position Step 2: Describe movement Step 3: Describe turns Step 4: Describe shape patterns with turns		Step 2: Plot coordinates Step 3: Draw 2-D shapes on a grid Step 4: Translate on a grid Step 5: Describe translation on a grid	of symmetry Step 6: Reflect shapes on horizontal and vertical lines	Step 4: Translate shapes Step 5: Reflect shapes
Strand: Measurement - Length and height	 Make comparisons between objects relating to size, length, weight and capacity. Provide experiences of size changes. Suggestions: "Can you make a puddle larger?", "When you squeeze a sponge, does it stay small?", "What happens when 	• Compare length, weight and capacity Small steps sequence Autumn (talk about measure and pattern) Step 1: Compare size Small steps sequence Spring (length, height and time)	Using Measures Compare, describe and solve practical problems for: lengths and heights, -measure and begin to record the following: lengths and heights mass/weight capacity, volume and time	Using Measures choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm) to the nearest appropriate unit, using rulers • compare and order lengths and record the results	Using Measures measure, compare, add and subtract: lengths Small steps sequence Spring (length and perimeter) Step 1: Measure in metres and centimetres Step 2: Measure in millimetres	Using Measures Convert between different units of measure [kilometre to metre] • estimate, compare and calculate different measures Small steps sequence Spring (length and perimeter) Step 1: Measure in	See Strand: Measurement - converting units	Using Measures solve problems involving the calculation and conversion of units of measure, using decimal notation up to 3 d.p. where appropriate • use, read, write and convert between standard units, converting measurements of

	you stretch dough, or elastic?" •Talk with children about their everyday ways of comparing size, length, weight and capacity. •Model more specific techniques, such as lining up ends of lengths and straightening ribbons, discussing accuracy: "Is it exactly?"	Step 1: Explore length Step 2: Compare length Step 3: Explore height Step 4: Compare height	Small steps sequence Spring Step 1: Compare lengths and heights Step 2: Measure length using objects Step 3: Measure length in centimetres	using >, < and = <u>Small steps</u> <u>sequence Spring</u> <u>Step 1:</u> Measure in centimetres <u>Step 2:</u> Measure in metres <u>Step 3:</u> Compare lengths and heights <u>Step 4:</u> Order lengths and heights <u>Step 5:</u> Use the four operations to solve length and height problems	Step 3: Measure in centimetres and millimetres Step 4: Metres, centimetres and millimetres Step 5: Equivalent lengths (metres and centimetres) Step 6: Equivalent lengths (centimetres and millimetres) Step 7: Compare lengths Step 8: Add lengths Step 9: Subtract lengths Step 10: What is perimeter? Step 11: Measure perimeter Step 12: Calculate perimeter	kilometres and metres Step 2: Calculate equivalent lengths (kilometres and metres)		length, mass, volume and time from a smaller unit of measure to a larger unit, and vice versa, using decimal notation to up to 3 d.p. • convert between miles and kilometres Small steps sequence Autumn Step 1: Use metric measures Step 2: Convert metric measures Step 3: Calculate with metric measures Step 4: Convert between miles and kilometres Step 5: Convert between imperial and metric measures
Strand: Measurement- Perimeter					Perimeter measure the perimeter of simple 2-D shapes <u>sequence Sprina</u> (length and perimeter) Step 1: Measure in metres and centimetres Step 2: Measure in centimetres Step 3: Measure in centimetres and millimetres Step 4: Measure in metres, centimetres and millimetres Step 5: Understand equivalent lengths (metres and centimetres) Step 6: Understand equivalent lengths (centimetres and millimetres	Perimeter measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres <u>Small steps</u> <u>sequence Spring</u> (length and perimeter) (see above strand for steps 1 and 2) Step 3: Measure perimeter on a grid Step 4: Measure perimeter of rectangle Step 5: Measure perimeter of rectilinear shapes Step 6: Find missing lengths in rectilinear shapes Step 7: Calculate perimeter of	Perimeter measure and calculate the perimeter of composite rectilinear shapes in centimetres and metres Small steps sequence Spring (perimeter and area) Step 1: Calculate the perimeter of rectangles Step 2: Calculate the perimeter of rectilinear (including composite) shapes Step 3: Calculate the perimeter of polygons	Perimeter and Area recognise that shapes with the same areas can have different perimeters and vice versa • recognise when it is possible to use formulae for area and volume of shapes • calculate the area of parallelograms and triangles <u>Small steps</u> <u>sequence Spring</u> (area, perimeter and volume) Step 1: Calculate the area of shapes Step 2: Calculate area and perimeter Step 3: Calculate the area of a triangle (counting squares)

			Step 7: Compare lengths Step 8: Add lengths Step 9: Subtract lengths Step 10: Understand perimeter Step 11: Measure perimeter Step 12: Calculate perimeter	rectilinear shapes Step 8: Measure perimeter of regular polygons Step 9: Measure perimeter of polygons		Step 4: Calculate the area of a right-angled triangle Step 5: Calculate the area of any triangle Step 6: Calculate the area of a parallelogram Step 7: Calculate volume (counting cubes) Step 8: Calculate the volume of a cuboid
Strand: Measurement - Area				Area find the area of rectilinear shapes by counting squares Small steps sequence Autumn Step 1: Understand and calculate area Step 2: Count squares to find the area of a shape Step 3: Make rectilinear shapes Step 4: Compare areas	Area calculate and compare the area of rectangles (including squares) and including using standard units, square centimetres (cm2) and square metres (m2) and estimate the area of irregular shapes Small steps sequence Spring (perimeter and area) Step 4: Calculate the area of rectangles Step 5: Calculate the area of compound shapes Step 6: Estimate area	Perimeter and Area recognise that shapes with the same areas can have different perimeters and vice versa • recognise when it is possible to use formulae for area and volume of shapes • calculate the area of parallelograms and triangles Small steps sequence Spring (area, perimeter and volume Step 1: Calculate the area of shapes Step 2: Calculate area and perimeter Step 3: Calculate the area of a triangle (counting squares) Step 4: Calculate the area of a right-angled triangle Step 5: Calculate the area of any triangle Step 6: Calculate the area of a parallelogram Step 7: Calculate volume (counting cubes) Step 8: Calculate the volume of a cuboid

Strand: Measurement - Mass and volume	• Make comparisons between objects relating to size, length, weight and capacity.	 Compare length, weight and capacity Small steps sequence Autumn (talk about measure and pattern) Step 2 Compare mass Step 3 Compare capacity Small steps sequence Spring (mass and capacity) Step 1 Compare mass Step 2 Find a balance Step 3 Explore Capacity Step 4 Compare capacity 	Using Measures compare, describe and solve practical problems for: • lengths and heights • mass/weight • capacity and volume • time • measure and begin to record the following: • lengths and heights • mass/weight • capacity and volume Small steps sequence Spring Step 1: Understand heavier and lighter Step 2: Measure mass Step 3: Compare mass Step 4: Understand full and empty Step 5: Compare volume Step 6: Measure capacity Step 7: Compare capacity	Using Measures choose and use appropriate standard units to estimate and measure mass (kg/g); capacity (litres/ml) to the nearest appropriate unit, using scales and measuring vessels • compare and order,mass, volume/capacity and record the results using >, < and = <u>Small steps sequence Spring</u> (mass, capacity and temperature) Step 1: Compare mass Step 2: Measure in kilograms Step 3: Measure in kilograms Step 5: Compare volume and capacity Step 6: Measure in millilitres Step 7: Measure in litres Step 8: Use the four operations to solve volume and capacity Step 6: Measure in millilitres Step 7: Measure in litres Step 9: Understand and read temperatures	Using Measures measure, compare, add and subtract: mass (kg/g); volume/capacity (l/ml) Small steps sequence Spring (mass and capacity) Step 1: Use scales Step 2: Measure mass in grams Step 3: Measure mass in kilograms and grams Step 4: Calculate equivalent masses (kilograms and grams) Step 5: Compare mass Step 6: Add and subtract mass Step 7: Measure capacity and volume in millilitres Step 8: Measure capacity and volume in litres and millilitres Step 9: Calculate equivalent capacities and volumes (litres and millilitres) Step 10: Compare capacity and volume Step 11: Add and subtract capacity and volume	Using Measures Convert between different units of measure [for example, kilometre to metre; hour to minute] • estimate, compare and calculate different measures NO OBJECTIVES TAUGHT IN YEAR 4 FOR MASS AND VOLUME	Volume estimate volume [for example, using blocks to build cuboids] and capacity [for example, using water] Small steps sequence Summer - (volume) Step 1: Understand cubic centimetres Step 2: Compare volume Step 3: Estimate capacity	Using Measures solve problems involving the calculation and conversion of units of measure, using decimal notation up to 3 d.p. where appropriate • 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 3 d.p. • convert between miles and kilometres <u>Volume</u> • calculate, estimate and compare volume of cubes and cuboids using standard units, including cubic centimetres (cm3) and cubic metres (m3), and extending to other units <u>Small steps</u> <u>sequence Spring</u> (area, perimeter and volume) Step 1: Calculate the area of shapes Step 2: Calculate the area of a triangle (counting squares) Step 4: Calculate the area of a right-angled triangle Step 6: Calculate the area of a
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Strand: Measurement - Money		<u>Money</u> recognise and know the value of different	<u>Money</u> recognise and use symbols for pounds (£) and pence (p);	<u>Money</u> add and subtract amounts of money to give change,	<u>Money</u> estimate, compare and calculate different measures,	<u>Money</u> use all four operations to solve problems involving	<u>Money</u> use all four operations to solve problems involving
Strand: Measurement - Converting units						Using Measures convert between different units of metric measure • understand and use approximate equivalences between metric units and common imperial units such as inches, pounds and pints • use all four operations to solve problems involving measure [for example, length, mass, volume, money] using decimal notation, including scaling <u>Small steps</u> <u>sequence Summer</u> Step 1: Convert between grams and kilograms and between metres and kilometres (different units of measure) Step 2: Convert between millilitres and metres and between metres and between millilitres and litres (different units of measure) Step 3: Convert units of length Step 4: Convert between metric and imperial units Step 5: Convert units of time Step 6: Calculate with timetables	cubes) Step 8: Calculate the volume of a cuboid Using Measures solve problems involving the calculation and conversion of units of measure, using decimal notation up to 3 d.p. where appropriate • 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 3 d.p. • convert between miles and kilometres Step 1: Use metric measures Step 2: Convert metric measures Step 4: Convert between imperial and metric measures
							parallelogram Step 7: Calculate volume (counting

	denominations of coins and notes Small steps sequence Summer Step 1: Unitise Step 2: Recognise coins Step 3: Recognise notes Step 4: Count in coins	combine amounts to make a particular value • find different combinations of coins that equal the same amounts of money • solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change Small steps sequence Spring Step 1: Count money - pence Step 2: Count money - pounds (notes and coins) Step 3: Count money - pounds and pence Step 4: Choose notes and coins Step 5: Make the same amount Step 6: Compare amounts of money Step 7: Calculate with money Step 9: Find change Step 10: Solve two-step problems	using both £ and p in practical contexts Small steps sequence Summer Step 1: Understand pounds and pence Step 2: Convert pounds and pence Step 3: Add money Step 4: Subtract money Step 5: Find change	including money in pounds and pence Small steps sequence Summer Step 1: Write amounts of money using decimals Step 2: Convert between pounds and pence Step 3: Compare amounts of money Step 4: Estimate with money Step 5: Calculate with money Step 6: Solve problems with money	measure [for example, money] NO OBJECTIVES COVERED IN YEAR 5	measure [for example, money]
Strand: Measurement - Time	Time sequence events in chronological order using language [for example, before and after, next, first, today, yesterday, tomorrow, morning, afternoon and evening] • recognise and use language relating to dates, including days of the week, weeks, months and	Time compare and sequence intervals of time • tell and write the time to five minutes, including quarter past/to the hour and draw the hands on a clock face to show these times • know the number of minutes in an hour and the number of hours in	Time tell and write the time from an analogue clock, including using Roman numerals from I 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,	Time 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 <u>Small steps</u> <u>sequence Summer</u>	Time solve problems involving converting between units of time See Strand: Measurement - converting units	<u>Time</u> use, read, write and convert between standard units, converting measurements of time from a smaller unit of measure to a larger unit, and vice versa Note - In the White Rose Math schemes, time conversions are covered in Y5; the Y6 block concentrates on metric units.

Strand: Statistics		<u>Present and</u> <u>interpret data</u> interpret and	<u>Present and</u> <u>interpret data</u> interpret and	<u>Present and</u> <u>interpret data</u> interpret and	<u>Present and</u> <u>interpret data</u> complete, read and	<u>Present and</u> <u>interpret data</u> interpret and
	years • tell the time to the hour and half past the hour and draw the hands on a clock face to show these times <u>Small steps</u> <u>sequence Summer</u> Step 1: Understand before and after Step 2: Identify the days of the week Step 3: Identify the months of the year Step 4: Understand hours, minutes and seconds Step 5: Tell the time to the hour Step 6: Tell the time to the half hour	a day <u>Small steps</u> <u>sequence Summer</u> Step 1: Tell the time (o'clock and half past) Step 2: Tell the time (quarter past and quarter to) Step 3: Tell the time to the hour Step 4: Tell the time to 5 minutes Step 6: Understand the number of minutes in an hour Step 7: Understand the number of hours in a day	minutes and hours; use vocabulary such as o'clock, a.m./p.m., morning, afternoon, noon and midnight • know the number of seconds in a minute and the number of days in each month, year and leap year • compare durations of events [for example to calculate the time taken by particular events or tasks] Small steps sequence Summer Step 1: Identify Roman numerals to 12 Step 2: Tell the time to the minute Step 3: Tell the time to the minute Step 4: Read time on a digital clock Step 5: Use am and pm to describe times Step 6: Understand years, months and days Step 7: Understand days and hours Step 8: Calculate durations of time in hours and minutes (use start and end times) Step 10: Understand minutes and seconds Step 11: Understand units of time Step 12: Solve problems with time	Step 1: Understand the relationship between years, months, weeks and days Step 2: Understand the relationship between hours, minutes and seconds Step 3: Convert between analogue and digital times Step 4: Convert to the 24-hour clock Step 5: Convert from the 24-hour clock		

		construct simple	present data using	present discrete	interpret	construct pie charts
		pictograms, tally	bar charts,	and	information in	and line graphs and
		charts, block	pictograms and	continuous data	tables, including	use these to solve
		diagrams and	tables	using appropriate	timetables	problems
		simple tables		graphical methods,		
			Solve statistical	including bar	Solve statistical	Solve statistical
		Solve statistical	<u>problems</u>	charts and time	<u>problems</u>	<u>problems</u>
		<u>problems</u>	 solve one-step and 	graphs	 solve comparison, 	calculate and
		ask and answer	two-step questions		sum and difference	interpret the mean
		simple questions by	[for example, 'How	Solve statistical	problems using	as an average
		counting the	many more?' and	<u>problems</u>	information	
		number of objects	'How many fewer?']	 solve comparison, 	presented in a line	Small steps
		in each category	using information	sum and difference	graph	sequence Spring
		and sorting the	presented in scaled	problems using		Step 1: Understand
		categories by	bar charts and	information	Small steps	line graphs
		quantity	pictograms and	presented in bar	sequence Spring	Step 2: Understand
		 ask and answer 	tables	charts, pictograms,	Step 1: Draw line	dual bar charts
		questions about		tables and other	graphs	Step 3: Read and
		totalling and	<u>Small steps</u>	graphs	Step 2: Read and	interpret pie charts
		comparing	sequence Summer		interpret line graphs	Step 4: Understand
		categorical data	Step 1: Interpret		Step 3: Read and	pie charts with
			pictograms		interpret tables	percentages
		<u>Small steps</u>	Step 2: Draw	<u>Small steps</u>	Step 4: Explore	Step 5: Draw pie
		sequence Summer	pictograms	sequence Summer	two-way tables	charts
		Step 1: Make tally	Step 3: Interpret bar	Step 1: Interpret	Step 5: Read and	Step 6: Calculate and
		charts	charts	charts	interpret timetables	interpret the mean as
		Step 2: Understand	Step 4: Draw bar	Step 2: Solve		an average
		tables	charts	comparison, sum and		
		Step 3: Understand	Step 5: Collect and	difference problems		
		block diagrams	represent data	Step 3: Interpret line		
		Step 4: Draw	Step 6: Interpret	graphs		
		pictograms (1 to 1	information from	Step 4: Draw line		
		correspondence)	two-way tables	graphs		
		Step 5: Interpret				
		pictograms (1 to 1				
		correspondence)				
		Step 6: Draw				
		pictograms (2, 5 and				
		10 correspondence)				
		Step 7: Interpret				
		pictograms (2, 5 and				
		10 correspondence)				

	YEAR	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6			
	1		Experience counting in 1s, 2s, 5s, 10s							
	2	1×	(1×) 2×	5×	(5×) 10×	0 × and revision	revision			
	3	(2×) 4×	(4×) 8×	3×	(3x) 6x	(6×) 12×	revision			
	4	9×	7×	11×	squares	revision	Test: June			
	5	Audit individual classes to identify gaps	focusing on key T.T chn	T chn find challenging						
	6	Audit individual classes to identify gaps								
		1	1 2 1x 3 (2x) 4x 4 9x 5 Audit individual classes to identify gaps 6 Audit individual classes	$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	1Experience counti21x(1x) 2x5x3(2x) 4x(4x) 8x3x49x7x11x5Audit individual classes to identify gapsTimes tables sessions - at least 16Audit individual classes to identify gapsOne explicit times tables session problem solving and reasoning (1Experience counting in 1s, 2s, 5s, 10s21x(1x) 2x5x(5x) 10x3(2x) 4x(4x) 8x3x(3x) 6x49x7x11xsquares5Audit individual classes to identify gapsTimes tables sessions - at least 10 minutes per week6Audit individual classes to identify gapsOne explicit times tables sessions per term focusin problem solving and reasoning (conceptual understand	1Experience counting in 1s, 2s, 5s, 10s21x(1x) 2x5x(5x) 10x0 x and revision3(2x) 4x(4x) 8x3x(3x) 6x(6x) 12x49x7x11xsquaresrevision5Audit individual classes to identify gapsTimes tables sessions - at least 10 minutes per week focusing on key T.T chr6Audit individual classes to identify gapsOne explicit times tables sessions per term focusing on patterns, connection problem solving and reasoning (conceptual understanding - the whyl). Option			