

Maths Progression Ladder – English Martyrs 2026

Area of Learning		EYFS	Y1	Y2	Y3	Y4	Y5	Y6
Number	Place Value	<ul style="list-style-type: none"> Match and sort Compare amounts to 5 Representing 0- 10 (including 0 as a concept) (1-5) (6-10) Comparing 0 - 10 (1-3) (6-10) Composition of 0 – 10 (1-3) (6-10) One more and one less Exploring pattern (also with shape) and relationships Building numbers beyond 10 Exploring pattern beyond 10 Subitising to 5 Verbal counting beyond 20 Compare quantities up to 10 	<ul style="list-style-type: none"> Sort, count, represent objects to 50 Count read and write forwards and backwards from any number 0- 100 Count one more and one less Compare groups using equal, more, fewer, less Compare numbers to 100 Order groups of objects Count objects from a larger group Order numbers to 100 Number lines Count in 2s and 5s, 10s 	<ul style="list-style-type: none"> Numbers to 20 Count objects to 100 by making 10s Recognise tens and ones Use a place value chart Partition numbers to 100 Write numbers to 100 in words Flexibly partition numbers to 100 Write numbers to 100 in expanded form 10s on the number line to 100 10s and 1s on the number line to 100 	<ul style="list-style-type: none"> Represent numbers to 100 Partition numbers to 100 Number line to 100 Hundreds Represent numbers to 1,000 Partition numbers to 1,000 Flexible partitioning of numbers to 1000 Hundreds, tens and ones Find 1, 10 or 100 more or less Number line to 1,000 Estimating on a number line to 1,000 	<ul style="list-style-type: none"> Represent numbers to 1,000 Partition numbers to 1,000 Number line to 1,000 Thousands Represent numbers to 10,000 Partition numbers to 10,000 Flexible partitioning of numbers to 10,000 Find 1, 10, 100, 1,000 more or less Number line to 10,000 Estimate on a number line to 10,000 Compare numbers to 10,000 Order numbers to 10,000 	<ul style="list-style-type: none"> Roman numerals to 1,000 Numbers to 10,000 Numbers to 100,000 Numbers to 1,000,000 Read and write numbers to 1,000,000 Powers of 10 10/100/1,000/ 10,000/100,000 more or less Partition numbers to 1,000,000 Number line to 1,000,000 Compare and order numbers to 100,000 Compare and order numbers to 1,000,000 Round to the nearest 10, 100 or 1,000 Round within 100,000 	<ul style="list-style-type: none"> Numbers to 1,000,000 Numbers to 10,000,000 Read and write numbers to 10,000,000 Powers of 10 Number line to 10,000,000 Compare and order any integers Round any integers Negative numbers <p>Vocab: (See also Year 5 vocab) powers, Multiplicative connections, ascending/ descending, equality symbols, integer, accuracy,</p>

		<p>Vocab: match, sort, compare, count, order, more, less, fewer, pattern, numeral, partition.</p>	<ul style="list-style-type: none"> Partitioning numbers to 100 <p>Vocab: Sort, count (backwards, forwards, groups), represent, recognise, fewer, more, same, greater than, less than, equal to, most, least, order, compare, object, different, arrange, total, many, pattern, numeral, number sentence, digit, tens, ones.</p> <ul style="list-style-type: none"> Count within 20 Understand 10 Understand 11, 12 and 13 Understand 14, 15 and 16 Understand 17, 18 and 19 Understand 20 1 more and 1 less 	<ul style="list-style-type: none"> Estimate numbers on a number line Compare objects Compare numbers Order objects and numbers Count in 2s, 5s and 10s Count in 3s <p>Vocab: Count, recognise, partition, digit, numeral, place value chart, flexible partitioning, compare, order, number track, identify, represent, estimate, greater than, fewer than, tens, ones, part, whole, interval (on a number line).</p>	<ul style="list-style-type: none"> Compare numbers to 1,000 Order numbers to 1,000 Count in 50s <p>Vocab: Representations, partition, flexible partitioning, identify, estimate, greatest/smallest digit, start point/end point/interval (on a number line), numerals, placeholder, function machine, difference, strategy, ascending, descending, pattern,(as part of place value question)</p>	<ul style="list-style-type: none"> Roman numerals Round to the nearest 10 Round to the nearest 100 Round to the nearest 1,000 Round to the nearest 10, 100 or 1,000 <p>Vocab: Representations, partition, flexible partitioning, place holder, numeral, digit, interval, divisions (on a number line), increments, difference, scale, column, place value chart, Gattegno chart, estimate, approximate, greater than/less than, arrange, ascending/descending, Roman number system/ Roman numerals, rounding to the nearest..., accuracy.</p>	<ul style="list-style-type: none"> Round within 1,000,000 <p>Vocab: million, roman numerals, patterns, similarities, differences, number system, representation, powers of 10, digit value, Gattegno chart, ascending/descending order</p> <p>Negative Numbers</p> <ul style="list-style-type: none"> Understand negative numbers Count through zero in 1s Count through zero in multiples Compare and order negative numbers Find the difference <p>Vocab negative numbers, 'below zero', minus,</p>	
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			<ul style="list-style-type: none"> • The number line to 20 • Use a number line to 20 • Estimate on a number line to 20 • Compare numbers to 20 • Order numbers to 20 <p>Vocab: equal to, more than, less than (fewer), most, least, greater than, smallest, numeral, multiple, representation, digit, estimate, half way</p> <ul style="list-style-type: none"> • Count from 20 to 50 • 20, 30, 40 and 50 • Count by making groups of tens • Groups of tens and ones • Partition into tens and ones 					
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		<ul style="list-style-type: none"> • The number line to 50 • Estimate on a number line to 50 • 1 more, 1 less <p>Vocab: as above, ensuring clarity with teen numbers and correct pronunciation, count forwards/backwards, count in multiples.</p> <ul style="list-style-type: none"> • Count from 50 to 100 • Tens to 100 • Partition into tens and ones • The number line to 100 • 1 more, 1 less • Compare numbers with the same number of tens • Compare any two numbers • Count from 50 to 100 <p>Vocab: as above, count forwards, backwards,</p>					
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			efficient, representations, divisions, halfway, equal to, more than, less than (fewer), most, least.					
	Addition and subtraction	<ul style="list-style-type: none"> Making pairs Combining 2 amounts Bonds to 10 Adding more, taking away Automatic recall of number bonds within 5 Explore doubles Explore different ways to make numbers within 10 <p>Vocab: pair, add, number bond, more, less, fewer, tens frame, part-whole model, altogether, total, double, take away, subtract, equals, same</p>	<ul style="list-style-type: none"> Part whole model Addition symbol Fact families-addition facts Number bonds-numbers within 10 Find and make number bonds with larger numbers Compare number bonds and number sentences Addition-adding together Addition-adding more Finding a part Add by counting on Subtraction, taking away- 	<ul style="list-style-type: none"> Bonds to 10 Fact families – addition and subtraction bonds within 20 Related facts Bonds to 100 (tens) Add and subtract 1s Add by making 10 Add three 1-digit numbers Add to the next 10 Add across a 10 Subtract across 10 Subtract from a 10 Subtract a 1-digit number from a 2-digit number (across a 10) 	<ul style="list-style-type: none"> Apply number bonds within 10 Add and subtract 1s Add and subtract 10s Add and subtract 100s Spot the pattern Add 1s across a 10 Add 10s across a 100 Subtract 1s across a 10 Subtract 10s across a 100 Make connections Add two numbers (no exchange) S Subtract two numbers (no exchange) Add two numbers (across a 10) 	<ul style="list-style-type: none"> Add and subtract 1s, 10s, 100s and 1,000s Add up to two 4-digit numbers - no exchange Add two 4-digit numbers - one exchange Add two 4-digit numbers– more than one exchange Subtract two 4-digit numbers - no exchange Subtract two 4-digit numbers - one exchange Subtract two 4-digit numbers – more than one exchange Efficient subtraction Estimate answers 	<ul style="list-style-type: none"> Mental strategies Add whole numbers with more than four digits Subtract whole numbers with more than four digits Round to check answers Inverse operations (addition and subtraction) Multi-step addition and subtraction problems Compare calculations Find missing numbers <p>Vocab: estimation, Addition/subtraction, efficient calculations, exchange,</p>	<ul style="list-style-type: none"> Add and subtract integers Common factors Common multiples Rules of divisibility Primes to 100 Square and cube numbers Multiply up to a 4-digit number by a 2-digit number Solve problems with multiplication Short division Division using factors

			<p>how many left?</p> <ul style="list-style-type: none"> • Subtraction symbol • Add or subtract one or two • Finding a part, breaking a part • Fact families, the 8 facts • Counting back • Subtraction finding the difference • Comparing statements $a + b > c + d$ • Subtraction crossing 10 • Related facts <p>Vocab (as above for place value Autumn) and also: part-whole model, addition/ addition facts, fact family, number bonds, system, systematic, subtraction, take away,</p>	<ul style="list-style-type: none"> • 10 more, 10 less • Add and subtract 10s • Add two 2-digit numbers (not across a 10) • Add two 2-digit numbers (across a 10) • Subtract two 2-digit numbers (not across a 10) • Subtract two 2-digit numbers (across a 10) • Mixed addition and subtraction • Compare number sentences • Missing number Problems <p>Vocab: (as above for place value) and also: Fact families, commutative, number bond, addition, subtraction, related facts,</p>	<ul style="list-style-type: none"> • Add two numbers (across a 100) • Subtract two numbers (across a 10) • Subtract two numbers (across a 100) • Add 2-digit and 3-digit numbers • Subtract a 2-digit number from a 3-digit number • Complements to 100 • Estimate answers • Inverse operations • Make decisions <p>Vocab: Add, subtract, pattern, exchange, complement (to 100), estimate, inverse, addition/subtraction, increase/decrease, multiple of 10/100, column, solution, written calculation/method, bar model.</p>	<ul style="list-style-type: none"> • Checking strategies <p>Vocab: Addition/subtraction, efficient calculations, exchange, estimate, strategy, crossing a multiple, smallest value column, inverse.</p>	<p>estimate, strategy, crossing a multiple, smallest value column, inverse.</p>	<ul style="list-style-type: none"> • Introduction to long division • Long division with remainders • Solve problems with division • Solve multi-step problems • Order of operations • Mental calculations and estimation • Reason from known facts <p>Vocab: rules of divisibility, estimation, Addition/subtraction, efficient calculations, exchange, estimate, strategy, crossing a multiple, smallest value column,</p>
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			<ul style="list-style-type: none"> Add by counting on within 20 Add ones using number bonds Find and make number bonds to 20 Doubles Near doubles Subtract ones using number bonds Subtraction – counting back Subtraction – finding the difference Related facts Missing number problems <p>(Vocab: As above for the Autumn term, and also: subtraction facts, number track, double, near double, first-then-now, representation)</p>	more than, fewer/less than, efficient method, representation,				inverse, common multiples, divisible, factor pairs, common factors, prime numbers, prime factors and composite (non-prime) numbers, even/odd, squared, cubed (and the notation for these).
	Multiplication	<ul style="list-style-type: none"> Doubling Sharing and grouping 	<ul style="list-style-type: none"> Count in 2s Count in 5s Count in 10s 	<ul style="list-style-type: none"> Recognise equal groups Make equal groups 	<ul style="list-style-type: none"> Multiplication - equal groups Use arrays Multiples of 2 	<ul style="list-style-type: none"> Multiply by 10 Multiply by 100 Divide by 10 Multiples of 3 	<ul style="list-style-type: none"> Multiples Common multiples Factors 	

	and division	<p>(including equal sharing)</p> <ul style="list-style-type: none"> • Even and odd <p>Vocab: as above: share, group, equal, double, half, odd, even</p>	<ul style="list-style-type: none"> • Recognise equal groups • Add equal groups • Make arrays • Make doubles • Make equal groups – grouping • Make equal groups – sharing <p>Vocab: count forwards, backwards, altogether, pairs, equal groups, total, numerals, multiples, representation, tens frames, tens column, ones column, arrays.</p>	<ul style="list-style-type: none"> • Add equal groups • Introduce the multiplication symbol • Multiplication sentences • Use arrays • Make equal groups – grouping • Make equal groups – sharing • The 2 times-table • Divide by 2 • Doubling and halving • Odd and even numbers • The 10 times-table • Divide by 10 • The 5 times-table • Divide by 5 • The 5 and 10 times-tables <p>Vocab: Repeated addition, equal/unequal groups, multiplication, division, arrays, times tables,</p>	<ul style="list-style-type: none"> • Multiples of 5 and 10 • Sharing and grouping • Multiply by 3 • Divide by 3 • The 3 times-table • Multiply by 4 • Divide by 4 • The 4 times-table • Multiply by 8 • Divide by 8 • The 8 times-table • The 2, 4 and 8 times-tables <p>Vocab: emphasis on the word multiple, multiplication, division, equal groups, sharing, grouping, divide, same, different, equal, array, ‘lots of’, greater than/less than/fewer than/odd/even (revisited), efficient methods, commutative.</p> <ul style="list-style-type: none"> • Multiples of 10 	<ul style="list-style-type: none"> • Multiply and divide by 6 • 6 times-table and division facts • Multiply and divide by 9 • 9 times-table and division facts • The 3, 6 and 9 times-tables • Multiply and divide by 7 • 7 times-table and division facts • 11 times-table and division facts • 12 times-table and division facts • Multiply by 1 and 0 • Divide by 1 and itself • Multiply three numbers <p>Vocab, as Year 3 and also: connections (e.g. between 3, 6, and 9 times tables), multiples.</p>	<ul style="list-style-type: none"> • Common factors • Prime numbers • Square numbers • Cube numbers • Multiply by 10, 100 and 1,000 • Divide by 10, 100 and 1,000 • Multiples of 10, 100 and 1,000 <p>Vocab: common multiples, divisible, factor pairs, common factors, prime numbers, prime factors and composite (non-prime) numbers, even/odd, squared, cubed (and the notation for these), decimal.</p> <ul style="list-style-type: none"> • Multiply up to a 4-digit number by a 1-digit number • Multiply a 2-digit number by a 2-digit number (area model) • Multiply a 2-digit number 	
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				<p>altogether, doubling, halving, commutativity, multiplication ($\times$), division ($\div$) and equals (=) signs, efficient, exchange, odd, even.</p>	<ul style="list-style-type: none"> • Related calculations • Reasoning about multiplication • Multiply a 2-digit number by a 1-digit number – no exchange • Multiply a 2-digit number by a 1-digit number – with exchange • Link multiplication and division • Divide a 2-digit number by a 1-digit number – no exchange • Divide a 2-digit number by a 1-digit number – flexible partitioning • Divide a 2-digit number by a 1-digit number – with remainders • Scaling • How many ways? <p>Vocab: (as Autumn term), also...</p>	<ul style="list-style-type: none"> • Factor pairs • Use factor pairs • Multiply by 10 • Multiply by 100 • Divide by 10 • Divide by 100 • Related facts – multiplication and division • Informal written methods for multiplication • Multiply a 2-digit number by a 1-digit number • Multiply a 3-digit number by a 1-digit number • Divide a 2-digit number by a 1-digit number (1) • Divide a 2-digit number by a 1-digit number (2) • Divide a 3-digit number by a 1-digit number • Correspondence problems • Efficient multiplication 	<p>by a 2-digit number</p> <ul style="list-style-type: none"> • Multiply a 3-digit number by a 2-digit number • Multiply a 4-digit number by a 2-digit number • Solve problems with multiplication • Short division • Divide a 4-digit number by a 1-digit number • Divide with remainders • Efficient division • Solve problems with multiplication and division <p>Vocab (as Autumn term above), and: earn, exchange, consecutive number, short division, remainder.</p>	
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					Gattegno chart/place value chart, commutative, partitioning, scaling.	Vocab: (as Autumn term), also... Factor pairs, arrays, systematic, decimals, digits, exchange, efficient.		
	Fractions		<ul style="list-style-type: none"> Recognise a half of an object or a shape Find a half of an object or a shape Recognise a half of a quantity Find a half of a quantity Recognise a quarter of an object or a shape Find a quarter of an object or a shape Recognise a quarter of a quantity Find a quarter of a quantity <p>Vocab: Bigger, smaller, equal parts, half, halves, quarter,</p>	<ul style="list-style-type: none"> Introduction to parts and whole Equal and unequal parts Recognise a half Find a half Recognise a quarter Find a quarter Recognise a third Find a third Find the whole Unit fractions Non-unit fractions Recognise the equivalence of a half and two-quarters Recognise three-quarters Find three-quarters 	<ul style="list-style-type: none"> Understand the denominators of unit fractions Compare and order unit fractions Understand the numerators of non-unit fractions Understand the whole Compare and order non-unit fractions Fractions and scales Fractions on a number line Count in fractions on a number line Equivalent fractions on a number line 	<ul style="list-style-type: none"> Understand the whole Count beyond 1 Partition a mixed number Number lines with mixed numbers Compare and order mixed numbers Understand improper fractions Convert mixed numbers to improper fractions Convert improper fractions to mixed numbers Equivalent fractions on a number line Equivalent fraction families 	<ul style="list-style-type: none"> Find fractions equivalent to a unit fraction Find fractions equivalent to a non-unit fraction Recognise equivalent fractions Convert improper fractions to mixed numbers Convert mixed numbers to improper fractions Compare fractions less than 1 Order fractions less than 1 Compare and order fractions greater than 1 Add and subtract fractions with 	<ul style="list-style-type: none"> Equivalent fractions and simplifying Equivalent fractions on a number line Compare and order (denominator) Compare and order (numerator) Add and subtract simple fractions Add and subtract any two fractions Add mixed numbers Subtract mixed numbers

			<p>doubles, altogether, amount, whole, division (of a shape).</p>	<ul style="list-style-type: none"> Count in fractions up to a whole <p>Vocab: Recognise, find, name and write fractions $\frac{1}{3}$, $\frac{1}{4}$, $\frac{2}{4}$ and $\frac{3}{4}$ parts, part whole, bar model, fraction bar, equal/ unequal parts.</p>	<ul style="list-style-type: none"> Equivalent fractions as bar models <p>(Vocab: fractions, diagram, equal, shaded, denominator, numerator, unit and non-unit fractions, diagonal (within the context of a shape being divided), the symbols for greater than and less than ($>$ and $<$), Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/ capacity (l/ml), divisions and number of intervals on a number line, equivalent.</p> <ul style="list-style-type: none"> Add fractions Subtract fractions Partition the whole Unit fractions of a set of objects Non-unit fractions of a set of objects 	<ul style="list-style-type: none"> Add two or more fractions Add fractions and mixed numbers Subtract two fractions Subtract from whole amounts Subtract from mixed numbers <p>(Vocab: fractions, diagram, equal, shaded, denominator, numerator, unit and non-unit fractions, mixed number, diagonal (within the context of a shape being divided), the symbols for greater than and less than ($>$ and $<$), divisions and number of intervals on a number line, equivalent, improper fractions, integer.</p>	<p>the same denominator</p> <ul style="list-style-type: none"> Add fractions within 1 Add fractions with total greater than 1 Add to a mixed number Add two mixed numbers Subtract fractions Subtract from a mixed number Subtract from a mixed number - breaking the whole Subtract two mixed numbers <p>Vocab: equivalent fractions, numerator, denominator, improper fractions, convert, tenths, hundredths, partition.</p>	<ul style="list-style-type: none"> Multi-step problems Multiply fractions by integers Multiply fractions by fractions Divide a fraction by an integer Divide any fraction by an integer Mixed questions with fractions Fraction of an amount Fraction of an amount - find the whole <p>Vocab: equivalent fractions, integer, mixed fraction, denominator, numerator, common factors, common multiples and prime numbers.</p>
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					<ul style="list-style-type: none">Reasoning with fractions of an amount <p>Vocab: As above for Spring.</p>			<p>FDPs</p> <ul style="list-style-type: none">Decimal and fraction equivalentsFractions as divisionUnderstand percentagesFractions to percentagesPercentages – missing valuesEquivalent fractions, decimals and percentagesOrder fractions, decimals and percentagesPercentage of an amount – one stepPercentage of an
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								amount – multi-step • Percentages – missing values (Vocab: common and more complex equivalents, equivalence, equal parts, common multiples, express fractions, denominator, numerator, simplify,
	Percentages Decimals					• Tenths as fractions • Tenths as decimals • Tenths on a place value chart • Tenths on a number line • Divide a 1-digit number by 10 • Divide a 2-digit number by 10 • Hundredths as fractions • Hundredths as decimals	• Decimals up to 2 decimal places • Equivalent fractions and decimals (tenths) • Equivalent fractions and decimals (hundredths) • Equivalent fractions and decimals • Thousandths as fractions	• Place value within 1 • Place value – integers and decimals • Round decimals • Add and subtract decimals • Multiply by 10, 100 and 1,000 • Divide by 10, 100 and 1,000

			<ul style="list-style-type: none"> • Hundredths on a place value chart • Divide a 1- or 2-digit number by 100 <p>(Vocab: fraction, tenth, pattern, division, decimal point, decimal equivalent/ equivalent fractions, hundredths, partition, divisions.</p> <ul style="list-style-type: none"> • Make a whole with tenths • Make a whole with hundredths • Partition decimals • Flexibly partition decimals • Compare decimals • Order decimals • Round to the nearest whole number • Halves and quarters as decimals 	<ul style="list-style-type: none"> • Thousandths as decimals • Thousandths on a place value chart • Order and compare decimals (same number of decimal places) • Order and compare any decimals with up to 3 decimal places • Round to the nearest whole number • Round to 1 decimal place • Understand percentages • Percentages as fractions • Percentages as decimals • Equivalent fractions, decimals and percentages <p>(Vocab: fraction, tenth, pattern, division, decimal point, decimal equivalent/ equivalent</p>	<ul style="list-style-type: none"> • Multiply decimals by integers • Divide decimals by integers • Multiply and divide decimals in context <p>(Vocab: integer, decimal, decimal point, round up, round down, exchange, 'context', one-tenth, one-hundredth, one-thousandth, perimeter, litres, kilograms).</p>
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			<p>Vocab: tenths, hundredths, decimal places, equivalent fractions, partitioning.</p>	<p>fractions, hundredths, partition, divisions, decimal place, numerator, denominator, partition fractions, partition 'flexibly', rounding up, rounding down, per cent, fraction/decimal equivalent.</p> <ul style="list-style-type: none">• Use known facts to add and subtract decimals within 1• Complements to 1• Add and subtract decimals across 1• Add decimals with the same number of decimal places• Subtract decimals with the same number of decimal places• Add decimals with different numbers of decimal places	
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				<ul style="list-style-type: none"> • Subtract decimals with different numbers of decimal places • Efficient strategies for adding and subtracting decimals • Decimal sequences • Multiply by 10, 100 and 1,000 • Divide by 10, 100 and 1,000 • Multiply and divide decimals – missing values <p>Vocab: fraction, tenth, pattern, division, decimal point, decimal equivalent/ equivalent fractions, hundredths, thousandths, partition, divisions, decimal place, numerator, denominator, partition fractions, partition ‘flexibly’, rounding up, rounding down,</p>	
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				percent, fraction/decimal equivalent.	
	Algebra				<ul style="list-style-type: none"> • 1-step function machines • 2-step function machines • Form expressions • Substitution • Formulae • Form equations • Solve 1-step equations • Solve 2-step equations • Find pairs of values • Solve problems with two unknowns <p>(Vocab: algebra, function, step, expression, equation, substitution, pair of values, unknowns,</p>

				input, output, function, rule, formulae, enumerate, variables, inverse.) (also see above for FDP).
	Ratio			<ul style="list-style-type: none">• Add or multiply?• Use ratio language• Introduction to the ratio symbol• Ratio and fractions• Scale drawing• Use scale factors• Similar shapes• Ratio problems• Proportion problems• Recipes (Vocab: ratio, ratio symbol, scale drawing, scale factor, 'similar', additive/

							multiplicative relationships, double number line, horizontal/vertical relationship, integers, multiplication/division facts, sequence, quantity, enlargement, perimeter, corresponding side, orientation, proportion.
Measurement	Time	<ul style="list-style-type: none"> Sequence events during the day Talk about daily routines Begin to use language of time (before, after, next) Compare durations informally (longer/shorter time) Non-standard units <i>Revisited Spr</i> Vocab: time, clock, long, short, before,	<ul style="list-style-type: none"> Before and after Days of the week Months of the year Hours, minutes and seconds Tell the time to the hour Tell the time to the half hour Vocab: before, after, days of the week/ months of the year, hours, seconds, minutes,	<ul style="list-style-type: none"> O'clock and half past Quarter past and quarter to Tell the time past the hour Tell the time to the hour Tell the time to 5 minutes Minutes in an hour Hours in a day Vocab: hour hand, minute hand, half past, quarter past,	<ul style="list-style-type: none"> Roman numerals to 12 Tell the time to 5 minutes Tell the time to the minute Read time on a digital clock Use am and pm Years, months and days Days and hours Hours and minutes – use start and end times Hours and minutes - use durations 	<ul style="list-style-type: none"> Years, months, weeks and days Hours, minutes and seconds Convert between analogue and digital times Convert to the 24-hour clock Convert from the 24-hour clock Vocab: As Year 3 vocab and also... additive reasoning/ multiplicative reasoning, leap year. 	

		after, next, first, then, morning, afternoon, evening, night-time, today, yesterday, tomorrow.	duration, minute hand, hour hand, pointing to, before and after, next, first, today, yesterday, tomorrow, morning, afternoon and evening, event.	quarter to, duration (refer back to Y1 vocab also).	<ul style="list-style-type: none"> • 10 Minutes and seconds • Units of time • Solve problems with time <p>Vocab: As Year 2 vocab and also... roman numerals, analogue, 12/24 hour clock, 'past the hour' 'to the hour', approximately, seconds, duration.</p>			
	Length and height	<ul style="list-style-type: none"> • Non-standard units <p>Vocab: long, short, longer, shorter, tall, high, wide</p>	<ul style="list-style-type: none"> • Compare lengths and heights • Measure length using objects • Measure length in centimetres <p>Vocab: Length, height, "longer than", "shorter than" "taller than", "is the same" "is equal to", unit of measure, ruler, centimetre,</p>	<ul style="list-style-type: none"> • Measure in centimetres • Measure in metres • Compare lengths and heights • Order lengths and heights • Four operations with lengths and heights • Vocab: Length, height, "longer than", "shorter than" "taller than", "is the same" "is equal to", unit of measure, centimetre, 	<ul style="list-style-type: none"> • Measure in metres and centimetres • Measure in millimetres • Measure in centimetres and millimetres • Metres, centimetres and millimetres • Equivalent lengths (metres and centimetres) • Equivalent lengths (centimetres and millimetres) • Compare lengths • Add lengths 	<p>(Length only)</p> <ul style="list-style-type: none"> • Measure in kilometres and metres • Equivalent lengths (kilometres and metres) <p>(Vocab: measure, measurement, kilometre, metre, equivalent, lengths, metre, centimetres, units, convert, conversion, regular/ irregular rectilinear shapes.</p>		

				metre, ruler, scale, thermometer, use of >, < and = as symbols.	<ul style="list-style-type: none"> Subtract lengths Vocab: As Year 2			
	Perimeter and area				<ul style="list-style-type: none"> What is perimeter? Measure perimeter Calculate perimeter Vocab: As Year 2, also measure, compare, add and subtract: lengths (m/cm/mm); metre, centimetre, ruler,	<ul style="list-style-type: none"> Perimeter on a grid Perimeter of a rectangle Perimeter of rectilinear shapes Find missing lengths in rectilinear shapes Calculate perimeter of rectilinear shapes Perimeter of regular polygons Perimeter of polygons (Vocab: conversion, regular/ irregular rectilinear shapes, perimeter, great/greatest, small/smallest, horizontal, vertical, value.)	<ul style="list-style-type: none"> Perimeter of rectangles Perimeter of rectilinear shapes Perimeter of polygons Area of rectangles Area of compound shapes Estimate area (Vocab: perimeter, regular/ irregular/ non- rectilinear shapes, composite rectilinear shapes, polygon, great/greatest, small/smallest, horizontal, vertical, value, compound, dimension, equal).	<ul style="list-style-type: none"> Shapes – same area Area and perimeter Area of a triangle – counting squares Area of a right-angled triangle Area of any triangle Area of a parallelogram Volume – counting cubes Volume of a cuboid (Vocab: area, perimeter, right-angled triangle, parallelogram, volume, formula, rectilinear

	Weight and volume		<ul style="list-style-type: none">• Heavier and lighter• Measure mass• Compare mass• Full and empty• Compare volume• Measure capacity• Compare capacity	<ul style="list-style-type: none">• Compare mass• Measure in grams• Measure in kilograms• Four operations with mass• Compare volume and capacity• Measure in millilitres• Measure in litres• Four operations with volume and capacity• Temperature			<ul style="list-style-type: none">• Cubic centimetres• Compare volume• Estimate volume• Estimate capacity <p>Vocab: volume, cuboid, capacity, face, cubic centimetres/ metres and notation, mass.</p>	shape, approximate, perpendicular height, base, compound shape.)
	Mass and Capacity	<ul style="list-style-type: none">• Compare size, mass and capacity (heavier than, lighter than) <p><i>Revisited Spr</i></p> <p>Vocab: heavy, heavier, light, lighter, less, more, big, small, large</p>	<p>Vocab: heavier, lighter, larger, smaller (as they may get this confused with heavier/lighter), balance, mass, full, empty, volume, nearly full/empty, capacity, container.</p>	<p>Vocab: heavier, lighter, balance scales/ circle scales, mass, full, empty, volume, nearly full/empty, capacity, container, kilogram/gram, temperature in °C, litres/ mass, millilitres, scale, thermometer,</p>	<ul style="list-style-type: none">• Use scales• Measure mass in grams• Measure mass in kilograms and grams• Equivalent masses (kilograms and grams)• Compare mass• Add and subtract mass• Measure capacity and volume in millilitres• Measure capacity and volume in litres and millilitres			

				use of >, < and = as symbols.	<ul style="list-style-type: none"> • Equivalent capacities and volumes (litres and millilitres) • Compare capacity and volume • Add and subtract capacity and volume <p>Vocab: heavier, lighter, balance scales/ circle scales, mass, full, empty, volume, nearly full/empty, capacity, container, kilogram/gram, temperature in °C, litres/ mass, millilitres, scale, thermometer, use of >, < and = as symbols, intervals on a scale, unit.</p>			
	Tempera ture				<ul style="list-style-type: none"> • <i>Temperature (in degrees C) (R)</i> 			
	Money		<ul style="list-style-type: none"> • Unitising • Recognise coins • Recognise notes • Count in coins 	<ul style="list-style-type: none"> • Count money – pence • Count money – pounds (notes and coins) 	<ul style="list-style-type: none"> • Pounds and pence • Convert pounds and pence • Add money 	<ul style="list-style-type: none"> • Write money using decimals • Convert between pounds and pence 		

			<p>Vocab: denominations, coins, notes, value (greater than/ less than), 1p, 2p, 5p, 10p, 20p, 50p, £1 and £2 coins, notes, total.</p>	<ul style="list-style-type: none"> Count money – pounds and pence Choose notes and coins Make the same amount Compare amounts of money Calculate with money Make a pound Find change Two-step problems <p>Vocab: money, pence, coin, pounds, notes, amount, change, value, worth, more than/less than/equal to (in this context), denomination, total, cost, difference.</p>	<ul style="list-style-type: none"> Subtract money Find change <p>Vocab: money, pence, coin, pounds, notes, amount, change, value, worth, more than/less than/equal to (in this context), denomination, total, cost, difference, change.</p>	<ul style="list-style-type: none"> Compare amounts of money Estimate with money Calculate with money Solve problems with money <p>Vocab: money, pence, coin, pounds, notes, amount, change, value, worth, more than/less than/equal to (in this context), denomination, total, cost, difference, change.</p>		
	Statistics			<ul style="list-style-type: none"> Make tally charts Tables Block diagrams Draw pictograms (1–1) 	<ul style="list-style-type: none"> Interpret pictograms Draw pictograms Interpret bar charts Draw bar charts 	<ul style="list-style-type: none"> Interpret charts Comparison, sum and difference Interpret line graphs Draw line graphs 	<ul style="list-style-type: none"> Draw line graphs Read and interpret line graphs Read and interpret tables Two-way tables 	<ul style="list-style-type: none"> Line graphs Dual bar charts Read and interpret pie charts Pie charts with

				<ul style="list-style-type: none"> Interpret pictograms (1–1) Draw pictograms (2, 5 and 10) Interpret pictograms (2, 5 and 10) <p>Vocab: Interpret, pictograms, tally charts, tally mark, block diagrams, tables, category, quantity, data, label.</p>	<ul style="list-style-type: none"> Collect and represent data Two-way tables <p>Vocab: Interpret, pictograms, tally charts, tally mark, block diagrams, tables, category, quantity, data, label, scaled/ bar chart, vertical and horizontal axis.</p>	<p>Vocab: Interpret, pictograms, tally charts, tally mark, block diagrams, tables, category, quantity, data, label, scaled/ bar chart, vertical and horizontal axis.</p>	<ul style="list-style-type: none"> Read and interpret timetables <p>(Vocab: line graph, axis, horizontal, vertical axis, intervals, sum and difference problems, average, table, statement, headings, value, missing values, row/ column, interpret, timetable.</p>	<p>percentage s</p> <ul style="list-style-type: none"> Draw pie charts The mean <p>(Vocab: data, line graph, axis, horizontal/ vertical axis, difference between points, estimate, similarities/ differences, pie chart, sector, equal parts, interpret, protractor (<i>and how to use one</i>), angle, statistics, average, mean.</p>
	Converting units						<ul style="list-style-type: none"> Kilograms and kilometres Millimetres and millilitres Convert units of length Convert between metric and imperial units Convert units of time Calculate with timetables 	<ul style="list-style-type: none"> Metric measures Convert metric measures Calculate with metric measures Miles and kilometres Imperial measures <p>Vocab:</p>

							Vocab: kilometres/metres/ centimetres/millim etres/grams/kilogr ams/litres, inches, pounds and pints, mass, revise units of time.	Weight, mass, capacity, convert, standard, metric, imperial, units of measure e.g kilometres, miles, kilograms, metres, centimetres.
Geometry	Properties of Shape	<ul style="list-style-type: none"> Exploring pattern (also number) Circles and triangles 2D shapes with 4 sides 3D shapes <p>Vocab: pattern, unit of repeat, circle, triangle, 2D, 3D, cube, cone, cylinder, cuboid, sphere, rectangle, square, side, corner</p>	<ul style="list-style-type: none"> Recognise and name 3-D shapes Sort 3-D shapes Recognise and name 2-D shapes Sort 2-D shapes Patterns with 2-D and 3-D shapes <p>Vocab: rectangles (including squares as a type of rectangle), circles and triangles cubes, cuboids, cylinders, pyramids, cones, spheres, 'mathematical</p>	<ul style="list-style-type: none"> Recognise 2-D and 3-D shapes Count sides on 2-D shapes Count vertices on 2-D shapes Draw 2-D shapes Lines of symmetry on shapes Use lines of symmetry to complete shapes Sort 2-D shapes Count faces on 3-D shapes Count edges on 3-D shapes 	<ul style="list-style-type: none"> Turns and angles Right angles Compare angles Measure and draw accurately Horizontal and vertical Parallel and perpendicular Recognise and describe 2-D shapes Draw polygons Recognise and describe 3-D shapes Make 3-D shapes <p>Vocab: As Year 2 vocab and also...</p>	<ul style="list-style-type: none"> Understand angles as turns Identify angles Compare and order angles Triangles Quadrilaterals Polygons Lines of symmetry Complete a symmetric figure <p>Vocab: As Year 3 and also... angles as turns, measuring angles, polygons, lines of symmetry, symmetric figure, equilateral/ isosceles/scalene triangle, quadrilaterals.</p>	<ul style="list-style-type: none"> Understand and use degrees Classify angles Estimate angles Measure angles up to 180° Draw lines and angles accurately Calculate angles around a point Calculate angles on a straight line Lengths and angles in shapes Regular and irregular polygons 3-D shapes 	<ul style="list-style-type: none"> Measure and classify angles Calculate angles Vertically opposite angles Angles in a triangle Step 5 Angles in a triangle – special cases Angles in a triangle – missing angles Angles in a quadrilateral Angles in polygons Circles

			<p>name for...', flat face, curved surface, shapes can 'roll'/'stack', repeating pattern, symmetrical pattern.</p>	<ul style="list-style-type: none"> Count vertices on 3-D shapes Sort 3-D shapes Make patterns with 2-D and 3-D shapes <p>Vocab: faces, sides, line of symmetry, symmetrical, vertical line, mirror line, <i>2D shapes</i> circle octagon hexagon triangle pentagon, <i>3D shapes</i> cuboid pyramid sphere cube cone, sides, curved surface, vertex, vertices (new concepts), prism, edge, non-standard shape, sorting diagram, repeating pattern.</p>	horizontal / vertical lines, pairs of perpendicular and parallel lines.		<p>Vocab: full/half/quarter/three-quarter turn, 360° in a full turn, 180° in half a turn, 90° in a quarter turn (or right angle) and 270° in a three-quarter turn, acute, obtuse and reflex angles, isometric paper.</p>	<ul style="list-style-type: none"> Draw shapes accurately Nets of 3-D shapes <p>Vocab: full/half/quarter/three-quarter turn, 360° in a full turn, 180° in half a turn, 90° in a quarter turn (or right angle) and 270° in a three-quarter turn, acute, obtuse and reflex angles, diameter.</p>
	Position and Direction	<ul style="list-style-type: none"> Positional language Spatial reasoning-match, rotate, manipulate, 	<ul style="list-style-type: none"> Describe turns Describe position – left and right 	<ul style="list-style-type: none"> Language of position Describe movement Describe turns 		<ul style="list-style-type: none"> Describe position using coordinates Plot coordinates 	<ul style="list-style-type: none"> Read and plot coordinates Problem solving with coordinates Translation 	<ul style="list-style-type: none"> The first quadrant Read and plot points in four quadrants

		<p>compose and decompose, visualise and build, mapping</p> <ul style="list-style-type: none"> Follow and describe routes. <p>Vocab: up, down, across, under, over, around, on top of, underneath, rotate, build, compose, left, right, beside, between, behind, in front of, next to</p>	<ul style="list-style-type: none"> Describe position – forwards and backwards Describe position – above and below Ordinal numbers <p>Vocab: turn, left, right, forwards, backwards, above, below, 1st, 2nd, 3rd, direction, top, middle and bottom, on top of, in front of, above, between, around, near, close and far, up and down, inside and outside.</p>	<ul style="list-style-type: none"> Describe movement and turns Shape patterns with turns <p>Vocab: As Year 1 and also rotation, right angle, quarter turns, clockwise, anti-clockwise.</p>		<ul style="list-style-type: none"> Draw 2-D shapes on a grid Translate on a grid Describe translation on a grid <p>Vocab: co-ordinates, quadrant, plot/plotting, point, x axis, y axis, vertices, vertex, translation.</p>	<ul style="list-style-type: none"> Translation with coordinates Lines of symmetry Reflection in horizontal and vertical lines <p>Vocab: co-ordinates, quadrant, plot/plotting, point, x axis, y axis, vertices, vertex, translation, reflection.</p>	<ul style="list-style-type: none"> Solve problems with coordinates Translations Reflections <p>Vocab: co-ordinates, quadrant, plot/plotting, point, x axis, y axis, vertices, vertex, translation, reflection, mirror line.</p>
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