

Curriculum Skills and Progression

Mathematics: 2025 to 2026



$$\frac{\partial}{\partial a} \ln f_{a, \sigma^2}(\xi_1) = \frac{(\xi_1 - a)}{\sigma^2} f_{a, \sigma^2}(\xi_1)$$
$$\int T(x) \cdot \frac{\partial}{\partial \theta} f(x, \theta) dx = M \left(T(\xi) \cdot \frac{\partial}{\partial \theta} \ln L \right)$$
$$\int T(x) \cdot \left(\frac{\partial}{\partial \theta} \ln L(x, \theta) \right) \cdot f(x, \theta) dx = \int T(x) \cdot \left(\frac{\partial}{\partial \theta} \right)$$





The Mathematics Curriculum and Christian Distinctiveness at Horsford CofE VA Primary School

At Horsford C of E Primary School, we ensure that the teaching of our Mathematics curriculum embodies our Christian Distinctiveness and reinforces our School Values of: Courage, Compassion and Responsibility. We ensure that through a varied and thorough curriculum that all children have the opportunity to study the world around them and ask questions and challenge preconceived ideas. Within our maths curriculum, we inspire children to become excited by numbers, their patterns and the role they play in our everyday lives. We teach the children to show courage in the face of mathematical challenges and compassion as they work together, helping one another to grapple with new ideas. We encourage the children to be responsible learners, taking ownership over their learning, challenging themselves and enabling them to do their best. Through our school Bible story of 'The Good Samaritan', we further reinforce the idea that everyone is included at our school, regardless of their own life story and how different that might look to our own. We teach the children to work together and to support each other in their mathematical endeavours.

'Spirituality is the bitter-sweet yearning for beauty, truth, love and wonder beyond ourselves. It is a longing we pursue together and a treasure we glimpse in ourselves and one another and seek beyond us into eternity. It is life in all its fullness.'



Maths Skills and Progression Map

We have been a White Rose school since September 2021 and now follow this scheme from EYFS through to Year 6, this is to ensure that there is consistency and progression in the skills taught. Our calculation policy reflects the importance of manipulatives and representations to support greater depth of mathematical understanding right from the beginning of their learning and continues building on this learning year on year.

The skills and progression map clearly shows the development within each stage of learning for every year group. When teachers plan, they ensure that prior learning is embedded to secure a foundation for further learning.

For Key Stage One the bold statements refer to those expected for the children to achieve before moving onto the next step of learning. Some children will continue to work on these during their lessons to embed this learning until they are ready to move on.

For Key Stage Two the Ready to Progress Criteria statements are built into the curriculum to ensure that children have the key skills to progress with their learning – these are indicated in purple.

*New key vocabulary is indicated in **bold***

Number: Number and Place Value

KEY SKILLS		
Reception	Year 1	Year 2
Counting		
Recites numbers from 0 to 10 (and beyond) and back from 10 to 0.	count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number	
Counts out up to 10 objects from a larger group Matches the numeral with a group of items to show how many there are ELG Numerical Pattern- Verbally count beyond 20, recognising the pattern of the counting system	count, read and write numbers to 100 in numerals; count in multiples of twos, fives and tens	count in steps of 2, 3, and 5 from 0, and in tens from any number, forward or backward
Understand the 'one more than/ one less than' relationship between consecutive numbers	given a number, identify one more and one less	
Comparing numbers		
Uses number names and symbols when comparing numbers, showing an interest in large numbers Estimates the number of things, showing understanding of relative size ELG Numerical Patterns- Compare quantities up to 10 in different contexts, recognising when one quantity is greater than, less than or the same as the other quantity	use the language of: equal to, more than, less than (fewer), most, least	compare and order numbers from 0 up to 100; use <, > and = signs
Identifying, representing and estimating numbers		
Increasingly confident at putting numerals in order 0 to 10 (ordinality) Subitises numbers to four, then five. ELG Number- Subitise (recognise quantities without counting) up to 5 ELG Numerical Pattern- Explore and represent patterns within numbers up to 10, including evens and odds, double facts and how quantities can be distributed equally.	identify and represent numbers using objects and pictorial representations including the number line	identify, represent and estimate numbers using different representations, including the number line

Reading and writing numbers (including Roman Numerals)		
	read and write numbers from 1 to 20 in numerals and words.	read and write numbers to at least 100 in numerals and in words
Understanding Place Value		
		recognise the place value of each digit in a two-digit number (tens, ones)
Problem Solving		
		use place value and number facts to solve problems
Greater depth	Greater depth	Greater depth
Estimate a number of objects and check quantities by counting up to 20. Solve practical problems that involve combining groups of 2, 5 or 10.	Count reliably well beyond 100. Count on and back in 3's from any given number to beyond 100. Say the number that is ten more or ten less than a number to 100. Know the signs < and >.	Reason with numbers showing an understanding of place value.
Key vocabulary	Key vocabulary	Key vocabulary
Zero, none, number, count, is the same as, more, less, pattern, digit, larger, bigger, greater, fewer, smaller, fewest, smallest, least, most, the same as, biggest, largest, greatest, greater than, less than, the same, one more, one less, compare, order, size, first, second, third, last, before, after, next, between, guess, estimate , equal to, nearly, close, about the same as, just over, just under, too many, too few, fewest, enough, not enough, match, sort, patterns, <i>smaller, smallest, subitise, pattern, dice, cubes, counters, five frame, ten frame, numerals, arrangements, odd and even, double.</i>	N numeral, twenty, hundred, after, before, compare, forwards, backwards, equal to , equivalent to, greater than, greatest, number line, total, most, least , many, above, below, roughly, <i>greater, lesser, pair, units, ones, tens, ten more/less, figure (s), in order, a different order, odd, even.</i>	Thousand, threes, fours, tally , sequence, continue, predict , rule, >greater than, <less than, hundreds, one digit, two digit, three digit number, place, place value , stands for, ascending, descending, end point, intervals, multiples, represents, exchange, twenty first, twenty second...exact, exactly, <i>numbers to one hundred, partition, recombine, hundred more/less.</i>

Number: Number and Place Value

KEY SKILLS			
Year 3	Year 4	Year 5	Year 6
Counting			
	count backwards through zero to include negative numbers	interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers, including through zero	use negative numbers in context, and calculate intervals across zero
count from 0 in multiples of 4, 8, 50 and 100; Know that 10 tens are equivalent to 1 hundred, and that 100 is 10 times the size of 10; apply this to identify and work out how many 10s there are in other three digit multiples of 10.	count in multiples of 6, 7, 9, 25 and 1000 Know that 10 hundreds are equivalent to 1 thousand, and that 1,000 is 10 times the size of 100; apply this to identify and work out how many 100s there are in other four-digit multiples of 100.	count forwards or backwards in steps of powers of 10 for any given number up to 1 000 000 Know that 10 tenths are equivalent to 1 one, and that 1 is 10 times the size of 0.1. Know that 100 hundredths are equivalent to 1 one, and that 1 is 100 times the size of 0.01. Know that 10 hundredths are equivalent to 1 tenth, and that 0.1 is 10 times the size of 0.01.	Understand the relationship between powers of 10 from 1 hundredth to 10 million, and use this to make a given number 10, 100, 1,000, 1 tenth, 1 hundredth or 1 thousandth times the size (multiply and divide by 10, 100 and 1,000).
find 10 or 100 more or less than a given number	find 1000 more or less than a given number		
Comparing numbers			
compare and order numbers up to 1000	order and compare numbers beyond 1000 compare numbers with the same number of decimal places up to two decimal places	read, write, order and compare numbers to at least 1 000 000 and determine the value of each digit (appears also in Reading and Writing Numbers)	read, write, order and compare numbers up to 10 000 000 and determine the value of each digit (appears also in Reading and Writing Numbers)
Identifying, representing and estimating numbers			
identify, represent and estimate numbers using different representations Reason about the location of any threedigit number in the linear number system, including identifying the previous and next multiple of 100 and 10.	identify, represent and estimate numbers using different representations Reason about the location of any four digit number in the linear number system, including identifying the previous and next multiple of 1,000 and 100, and rounding to the nearest of each.	Reason about the location of any number with up to 2 decimals places in the linear number system, including identifying the previous and next multiple of 1 and 0.1 and rounding to the nearest of each.	Reason about the location of any number up to 10 million, including decimal fractions, in the linear number system, and round numbers, as appropriate, including in contexts.

Reading and writing numbers (including Roman Numerals)

read and write numbers up to 1000 in numerals and in words	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.	read, write, order and compare numbers to at least 1 000 000 and determine the value of each digit (appears also in Comparing Numbers)	read, write, order and compare numbers up to 10 000 000 and determine the value of each digit (appears also in Understanding Place Value)
tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12-hour and 24-hour clocks (copied from Measurement)		read Roman numerals to 1000 (M) and recognise years written in Roman numerals.	

Understanding Place Value

recognise the place value of each digit in a three-digit number (hundreds, tens, ones) Recognise the place value of each digit in three-digit numbers, and compose and decompose three-digit numbers using standard and non-standard partitioning.	recognise the place value of each digit in a four-digit number (thousands, hundreds, tens, and ones) Recognise the place value of each digit in four-digit numbers, and compose and decompose four-digit numbers using standard and nonstandard partitioning	read, write, order and compare numbers to at least 1 000 000 and determine the value of each digit (appears also in Reading and Writing Numbers) recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents (copied from Fractions)	read, write, order and compare numbers up to 10 000 000 and determine the value of each digit (appears also in Reading and Writing Numbers)
	find the effect of dividing a one- or two-digit number by 10 and 100, identifying the value of the digits in the answer as units, tenths and hundredths (copied from Fractions)	Recognise the place value of each digit in numbers with up to 2 decimal places, and compose and decompose numbers with up to 2 decimal places using standard and nonstandard partitioning	identify the value of each digit to three decimal places and multiply and divide numbers by 10, 100 and 1000 where the answers are up to three decimal places (copied from Fractions) Recognise the place value of each digit in numbers up to 10 million, including decimal fractions, and compose and decompose numbers up to 10 million using standard and nonstandard partitioning
Divide 100 into 2, 4, 5 and 10 equal parts, and read scales/number lines marked in multiples of 100 with 2, 4, 5 and 10 equal parts	Divide 1,000 into 2, 4, 5 and 10 equal parts, and read scales/number lines marked in multiples of 1,000 with 2, 4, 5 and 10 equal parts.	Divide 1 into 2, 4, 5 and 10 equal parts, and read scales/number lines marked in units of 1 with 2, 4, 5 and 10 equal parts.	Divide powers of 10, from 1 hundredth to 10 million, into 2, 4, 5 and 10 equal parts, and read scales/number lines with labelled intervals divided into 2, 4, 5 and 10 equal parts.

Rounding			
	round any number to the nearest 10, 100 or 1 000	round any number up to 1 000 000 to the nearest 10, 100, 1 000, 10 000 and 100 000	round any whole number to a required degree of accuracy
	round decimals with one decimal place to the nearest whole number (copied from Fractions)	round decimals with two decimal places to the nearest whole number and to one decimal place (copied from Fractions)	solve problems which require answers to be rounded to specified degrees of accuracy (copied from Fractions)
Problem Solving			
solve number problems and practical problems involving these ideas.	solve number and practical problems that involve all of the above and with increasingly large positive numbers	solve number problems and practical problems that involve all of the above	solve number and practical problems that involve all of the above
Greater depth	Greater depth	Greater depth	Greater depth
Recognise the value of each digit in a four digit number and the value of a tenth. Begin to have an understanding about negative numbers, recognising they are smaller than 0.	Round any number to 100, 000 to the nearest 10, 100, 1000 or 10, 000. Use tenths, hundredths and thousands when comparing values.	Have a concept of numbers well beyond 1, 000, 000 and their relative association to distances to planets, historical data and geographical aspects. Use rounding as a strategy for quickly assessing what approximate answers ought to be, before calculating. Link working across 0 for positive and negative numbers to work time between BC and AD in history.	Use the symbols =, ≠, ≤, ≥ correctly.
Key vocabulary	Key vocabulary	Key vocabulary	Key vocabulary
Addition, altogether, ascending, column, compare, descending, digit, division, end point, equivalent, estimate, exchange, flexible, greater than, halfway, hundreds, interval, label, less, less than, more, multiple, number line, numeral, ones, order, part-whole model, partition, place value, place value column, placeholder, position, represent, representation, start point, subtraction, tens, thousands	Accuracy, add, after, ascending, before, between, closer, column, compare, convert, count back, count on, descending, difference, digit, end value, estimate, exchange, flexible partition, Gattegno chart, greater than, greatest, hundreds, inequality, intervals, least, less, less than, midpoint, more, most, multiple, multiples of 10, nearest, number line, number track, numeral, one thousand, ones, order, part-whole model, partition, pattern, place value, place value chart, place value position, placeholder, previous, represent, representation, roman numeral, rounded, rounding, scales, start value, subtract, symbol, ten thousand, tens, thousands, value	Ascending, ascending order, columns, compare, descending, descending order, flexible partitioning, Gattegno chart, greater than, hundreds, inequality symbol, integer, interval, less than, more than, next, number line, number system, numbers, numerals, one hundred, one hundred, thousands, one hundredth, one million, one tenth, one thousand, ones, order, part-whole model, placeholder, place value, place value chart, place value column, powers of, previous, represent, roman numeral, round, rows, separator, sequence, standard, partitioning, ten thousand/s, tens, thousand/s, value	Add, compare numbers, digits, dividing, division, Gattegno chart, greater than, hundred, hundred thousand, hundreds, integer, interval, less, less than, midpoint, million/s, more, multiples, multiplying, negative, number, number line, numeral, one hundred, one hundred, thousand, one hundredth, one million, one tenth, one thousand, ones, order numbers, place holder, place value, place value chart, position, positive, powers of 10, rounding, subtract, ten million, ten thousand/s, tens, thousands/s, value, zero

Number: Addition and Subtraction

KEY SKILLS		
Reception	Year 1	Year 2
Number bonds		
<p>Begins to conceptually subitise larger numbers by subitising smaller groups within the number (e.g. 6 is 3 and 3)</p> <p>ELG Number- 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.</p>	<p>represent and use number bonds and related subtraction facts within 20</p>	<p>recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100</p>
Mental Calculation		
<p>Shows awareness that numbers are made up (composed) of smaller numbers, exploring partitioning in different ways with a wide range of objects</p> <p>In practical activities, adds one and subtracts one with numbers to 10</p> <p>ELG Number -Have a deep understanding of number to 10, including the composition of each number</p>	<p>add and subtract one-digit and two-digit numbers to 20, including zero</p>	<p>add and subtract numbers using concrete objects, pictorial representations, and mentally, including:</p> <ul style="list-style-type: none"> * a two-digit number and ones * a two-digit number and tens * two two-digit numbers * adding three one-digit numbers
	<p>read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs (appears also in Written Methods)</p>	<p>show that addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot</p>
Written Methods		
<p>Begins to explore and work out mathematical problems, using signs and strategies of their own choice, including (where appropriate) standard numerals, tallies and + or -.</p>	<p>read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs (appears also in Mental Calculation)</p>	
Inverse operations, estimating and checking answers		
		<p>recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems.</p>

Problem Solving		
	<p>solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as $7 = \square - 9$</p>	<p>solve problems with addition and subtraction: *using concrete objects and pictorial representations, including those involving numbers, quantities and measures *applying their increasing knowledge of mental and written methods</p>
		<p>solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change (copied from Measurement)</p>
Greater depth	Greater depth	Greater depth
<p>Solve practical problems that involve combining groups of 2, 5 or 10, or sharing into equal groups.</p>	<p>Apply knowledge of number to solve a one-step problem involving addition and subtraction. Add and subtract one digit and two digit numbers to 50, including 0.</p>	<p>Use reasoning about numbers and relationships to solve more complex problems and explain their thinking. Solve unfamiliar word problems that involve more than one step.</p>
Key vocabulary	Key vocabulary	Key vocabulary
<p>Add, plus, more, and, make, sum, total, altogether, double, one more, one less, numeral, numbers, together, parts, whole, take away, subtract, minus, one less, half, halve, difference between, <i>number track</i>, <i>different</i>, <i>group</i>, <i>equals</i>, <i>is the same (including =)</i>, <i>how many more to make...?</i> <i>How many more is...than?</i>, <i>How many more is...?</i>, <i>subitise</i>, <i>arrangements</i>, <i>pattern</i>, <i>five frame</i>, <i>ten frame</i>, <i>number bonds</i>, <i>double</i>.</p>	<p>Addition, adding, plus, near double, half, halve, subtract, subtraction, equals, is the same as, number bonds/ pairs, missing number, base 10, bonds, combine, fact family, <i>inverse</i>, <i>difference between</i>, <i>how many fewer is...than...?</i> <i>How much less is...?</i>, <i>number line</i>, <i>part whole model</i>, <i>partitioning</i>, <i>odd and even</i>.</p>	<p>Ten more, ten less, facts, calculation, efficient, equation, minus, missing number, method, <i>concrete</i>, <i>pictorial</i>, <i>abstract</i>, <i>difference</i>, <i>mental</i>, <i>written</i>.</p>

Number: Addition and Subtraction

KEY SKILLS			
Year 3	Year 4	Year 5	Year 6
Mental Calculation			
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 mentally with increasingly large numbers	perform mental calculations, including with mixed operations and large numbers
Secure fluency in addition and subtraction facts that bridge 10, through continued practice.			use their knowledge of the order of operations to carry out calculations involving the four operations
Written Methods			
add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction Add and subtract up to three-digit numbers using columnar methods.	add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate	add and subtract whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction)	
Inverse operations, estimating and checking answers			
estimate the answer to a calculation and use inverse operations to check answers Manipulate the additive relationship: Understand the inverse relationship between addition and subtraction, and how both relate to the part-part-whole structure. Understand and use the commutative property of addition, and understand the related property for subtraction.	estimate and use inverse operations to check answers to a calculation	use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy	use estimation to check answers to calculations and determine, in the context of a problem, levels of accuracy.
Calculate complements to 100.			Understand that 2 numbers can be related additively or multiplicatively, and quantify additive and multiplicative relationships

			(multiplicative relationships restricted to multiplication by a whole number). Use a given additive or multiplicative calculation to derive or complete a related calculation, using arithmetic properties, inverse relationships, and place-value understanding.
Problem Solving			
solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction	solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why	solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why	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
Greater depth	Greater depth	Greater depth	Greater depth
Add and subtract numbers with any number of digits using formal written methods.	Use tenths, hundreds and thousandths when solving addition and subtraction problems. Solve multi-step problems involving more than one of the operations.	Calculate number problems algebraically for example $2x-3=5$.	
Key vocabulary	Key vocabulary	Key vocabulary	Key vocabulary
Add, addition, approximately , bar model, calculation , changes, column , commutative, complement, constant difference, digit , equal , equal to , equivalent , estimate , exchange , hundred square , hundreds , increase , inverse , multiple , multiple of 10 , multiple of 100 , number bond/s , number line, ones , part-whole model, partition , patterns , place value , subtract , subtraction , tens , total	Add , calculate , check, column , commutative , count on , digit , exchange , formal method , hundreds , inverse operation , largest value , multiple , number line, numbers, one, part-whole model, place value , place value chart, place value column, place value holder , round to the nearest , smallest value , subtract , tens , thousand	Accuracy, accurate, add numbers , addition , altogether , appropriate , bar model, calculation , column , difference , equal to , estimate , exchange , greater , hundred , inverse of addition , inverse of , subtraction , inverse operation , known facts, missing number, number line, original number , round , strategies , subtract , subtraction , sum	Arrays , bar model, brackets , calculation , column addition , column method , column subtraction , commutative , composite numbers , diagram, digit , estimation , exchange , hundred square, integer , inverse , mental strategy, method, notation , number line, operation , order , part-whole model, placeholder , remainder , repeated division , round up/down , sorting diagram, subtract , subtraction

Number: Multiplication and Division

KEY SKILLS		
Reception	Year 1	Year 2
Multiplication and division facts		
<p>ELG Number- 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.</p> <p>ELG Numerical Pattern- Explore and represent patterns within numbers up to 10, including evens and odds, double facts and how quantities can be distributed equally.</p>	<p>count in multiples of twos, fives and tens (copied from Number and Place Value)</p>	<p>count in steps of 2, 3, and 5 from 0, and in tens from any number, forward or backward (copied from Number and Place Value)</p>
		<p>recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers</p>
Mental Calculation		
		<p>show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot</p>
Written Calculation		
		<p>calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (\times), division (\div) and equals (=) signs</p>
Problem Solving		
	<p>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</p>	<p>solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts</p>

Greater depth	Greater depth	Greater depth
Solve problems involving halving, doubling and sharing.	Apply knowledge of number to solve a one step problem involving simple multiplication and division.	Recall and use multiplication and division facts for 2, 5 and 10, and make deductions outside known multiplication facts. Solve unfamiliar word problems that involve more than one step.
Key vocabulary	Key vocabulary	Key vocabulary
Sharing, doubling, halving , number patterns, <i>odd, even, double, half, share, share equally, group in pairs, equal groups of, divide.</i>	Multiplication, multiply , multiplied by, multiple, division, dividing, grouping, array , <i>once twice, three times, five times, count in tens (forwards from/ backwards from), how many times?, lots of, groups of, multiple of, times, multiply by, repeated addition, array, row, column, group in twos, threes etc, divided by, left, left over.</i>	Groups of, times , once, twice, three times...ten times, repeated addition , divide, divided by, divided into, share, share equally, left over, one each, two each...group in pairs, threes...equal groups of, row, column, multiplication table, fact.

Number: Multiplication and Division

KEY SKILLS			
Year 3	Year 4	Year 5	Year 6
Multiplication and division facts			
<i>count from 0 in multiples of 4, 8, 50 and 100</i> (copied from Number and Place Value)	<i>count in multiples of 6, 7, 9, 25 and 1 000</i> (copied from Number and Place Value)	<i>count forwards or backwards in steps of powers of 10 for any given number up to 1 000 000</i> (copied from Number and Place Value)	
recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables Recall multiplication facts, and corresponding division facts, in the 10, 5, 2, 4 and 8 multiplication tables, and recognise products in these multiplication tables as multiples of the corresponding number.	recall multiplication and division facts for multiplication tables up to 12×12 Recall multiplication and division facts up to 12×12, and recognise products in multiplication tables as multiples of the corresponding number.	Secure fluency in multiplication table facts, and corresponding division facts, through continued practice.	
Apply known multiplication and division facts to solve contextual problems with different structures, including quotitive and partitive division	Multiply and divide whole numbers by 10 and 100 (keeping to whole number quotients); understand this as equivalent to making a number 10 or 100 times the size.	Multiply and divide numbers by 10 and 100; understand this as equivalent to making a number 10 or 100 times the size, or 1 tenth or 1 hundredth times the size.	For year 6, MD ready-to-progress criteria are combined with AS ready-to-progress criteria (please see above)
Mental Calculation			
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 (appears also in Written Methods)	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	multiply and divide numbers mentally drawing upon known facts	perform mental calculations, including with mixed operations and large numbers
	recognise and use factor pairs and commutativity in mental calculations (appears also in Properties of Numbers)	multiply and divide whole numbers and those involving decimals by 10, 100 and 1000	<i>associate a fraction with division and calculate decimal fraction equivalents (e.g. 0.375) for a simple fraction (e.g. $\frac{3}{8}$)</i> (copied from Fractions)

Written Calculation			
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 (appears also in Mental Methods)	multiply two-digit and three-digit numbers by a one-digit number using formal written layout	multiply numbers up to 4 digits by a one- or two-digit number using a formal written method, including long multiplication for two-digit numbers	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 to 4 digits by a one-digit number using the formal written method of short division and interpret remainders appropriately for the context	divide numbers up to 4-digits by a two-digit whole number using the formal written method of short division where appropriate for the context divide numbers up to 4 digits by a two-digit whole number using the formal written method of long division, and interpret remainders as whole number remainders, fractions, or by rounding, as appropriate for the context
	Solve division problems, with two-digit dividends and one-digit divisors, that involve remainders, and interpret remainders appropriately according to the context.		<i>use written division methods in cases where the answer has up to two decimal places</i> (copied from Fractions (including decimals))
Properties of numbers: Multiples, factors, primes, square and cube numbers			
	recognise and use factor pairs and commutativity in mental calculations (repeated)	identify multiples and factors, including finding all factor pairs of a number, and common factors of two numbers.	identify common factors, common multiples and prime numbers
		know and use the vocabulary of prime numbers, prime factors and composite (non-prime) numbers	<i>use common factors to simplify fractions; use common multiples to express fractions in the same denomination</i> (copied from Fractions)
		establish whether a number up to 100 is prime and recall prime numbers up to 19	
	Manipulate multiplication and division equations, and understand and apply the commutative property of multiplication. Understand and apply the distributive property of multiplication	Find factors and multiples of positive whole numbers, including common factors and common multiples, and express a given number as a product of 2 or 3 factors.	

		<p>Multiply any whole number with up to 4 digits by any one-digit number using a formal written method.</p> <p>Divide a number with up to 4 digits by a one-digit number using a formal written method, and interpret remainders appropriately for the context.</p>	
		<p>recognise and use square numbers and cube numbers, and the notation for squared (²) and cubed (³)</p>	<p><i>calculate, estimate and compare volume of cubes and cuboids using standard units, including centimetre cubed (cm³) and cubic metres (m³), and extending to other units such as mm³ and km³</i> (copied from Measures)</p>
Order of operations			
			<p>use their knowledge of the order of operations to carry out calculations involving the four operations</p>
Inverse operations, estimating and checking answers			
<p><i>estimate the answer to a calculation and use inverse operations to check answers</i> (copied from Addition and Subtraction)</p>	<p><i>estimate and use inverse operations to check answers to a calculation</i> (copied from Addition and Subtraction)</p>		<p>use estimation to check answers to calculations and determine, in the context of a problem, levels of accuracy</p>
<p>Apply place-value knowledge to known additive and multiplicative number facts (scaling facts by 10).</p>	<p>Apply place-value knowledge to known additive and multiplicative number facts (scaling facts by 100)</p>	<p>Apply place-value knowledge to known additive and multiplicative number facts (scaling facts by 1 tenth or 1 hundredth).</p>	
Problem Solving			
<p>solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which n objects are connected to m objects</p>	<p>solve problems involving multiplying and adding, including using the distributive law to multiply two digit numbers by one digit, integer scaling problems and harder correspondence problems such as n objects are connected to m objects</p>	<p>solve problems involving multiplication and division including using their knowledge of factors and multiples, squares and cubes</p>	<p>solve problems involving addition, subtraction, multiplication and division</p>
		<p>solve problems involving addition, subtraction, multiplication and division and a combination of these, including understanding the meaning of the equals sign</p>	

		solve problems involving multiplication and division, inc. scaling by simple fractions and problems involving simple rates	<i>solve problems involving similar shapes where the scale factor is known or can be found</i> (copied from Ratio and Proportion)
Greater depth	Greater depth	Greater depth	Greater depth
Know all multiplication facts up to 12x12 and be able to instantaneously answer questions such as how many 7's in 42. Multiply and divide any two digit number by a single digit number and have an understanding of remainder.	Solve multi-step problems involving more than one of the operations. Rapidly recall answer when multiplying and dividing a whole or decimal number by 10.	Divide whole numbers (up to 4 digits) by 2 digit numbers using preferred method. Recognise the symbol for square root and work out square roots for numbers up to 100.	Multiply all integers (using efficient written methods) including mixed numbers and negative numbers. Move beyond squared and cubed numbers to calculate problems such as $X \times 10^n$ where n is positive.
Key vocabulary	Key vocabulary	Key vocabulary	Key vocabulary
Arrays, backwards, bar model, columns, consecutive, divide, double, equal, forwards, grouped, groups, half, inverse, multiplication, multiply, number line, parts, repeated addition, rows, shared, times, Venn diagram	Altogether, arrays, column, commutative, commutativity, difference, digit, divide, divisible, division, double, equal groups, equal to, factor pairs, grouping, groups of, inverse, inverse operation, lots of, multiple, multiplication, multiply, partition, repeated addition, row, sequence, sharing, sum, triple	Array, column, common factor, common multiple, commutative law, composite number, cube, cube number, cubed, cuboid, divide, equal to, even, factor, factor pair, Gattegno chart, Greatest, highest, hundredth, integer, inverse, multiples, multiplication, multiply, odd, place value chart, powers of, powers of 10, prime number, row, sequence, smallest, square number sum, tenth, thousandth, times table, whole number	column multiplication, common factors, common multiples, commutative, composite numbers, cube, diagram, digit, dividend, divisibility rule, divisible, division, divisor/s, estimation, exchange, factor/s, formula, hundred square, integer, inverse, long division, long multiplication, mental strategy, method, multiples, multiplication, multiply, notation, number line, operation, order, placeholder, powers, prime, prime factor, prime number, product, related fact, remainder, repeated division, round up/down, sorting diagram, square, strategy

Number: Fractions (including decimals and percentages)

KEY SKILLS		
Reception	Year 1	Year 2
Counting in fractional steps		
		count in fractions up to 10, starting from any number and using the $\frac{1}{2}$ and $\frac{2}{4}$ equivalence on the number line (<i>Non Statutory Guidance</i>)
Recognising fractions		
	recognise, find and name a half as one of two equal parts of an object, shape or quantity	recognise, find, name and write fractions $\frac{1}{3}$, $\frac{1}{4}$, $\frac{2}{4}$ and $\frac{3}{4}$ of a length, shape, set of objects or quantity
	recognise, find and name a quarter as one of four equal parts of an object, shape or quantity	
Equivalence (including fractions, decimals and percentages)		
		write simple fractions e.g. $\frac{1}{2}$ of 6 = 3 and recognise the equivalence of $\frac{2}{4}$ and $\frac{1}{2}$.
Greater depth	Greater depth	Greater depth
		Find and compare fractions of amounts.
Key vocabulary	Key vocabulary	Key vocabulary
Parts of a whole, whole , equal, half.	Fraction , equal part, equal grouping, equal sharing, one of two equal parts, one of four equal parts, <i>two halves</i> , a quarter , <i>two quarters</i> .	Equivalent fraction, numerator, denominator, two halves, two quarters, three quarters, thirds , one third, two thirds, one of three equal parts, <i>equivalent</i> .

KEY SKILLS			
Year 3	Year 4	Year 5	Year 6
Counting in fractional steps			
count up and down in tenths	count up and down in hundredths		
Recognising fractions			
<p>recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators</p> <p>recognise that tenths arise from dividing an object into 10 equal parts and in dividing one – digit numbers or quantities by 10. Interpret and write proper fractions to represent 1 or several parts of a whole that is divided into equal parts.</p> <p>recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators</p>	<p>recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten</p> <p>Convert mixed numbers to improper fractions and vice versa.</p>	<p>recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents (appears also in Equivalence) Find equivalent fractions and understand that they have the same value and the same position in the linear number system.</p>	<p>Recognise when fractions can be simplified, and use common factors to simplify fractions</p>
Comparing fractions			
<p>compare and order unit fractions, and fractions with the same denominators</p> <p>Reason about the location of any fraction within 1 in the linear number system.</p>	<p>Reason about the location of mixed numbers in the linear number system</p>	<p>compare and order fractions whose denominators are all multiples of the same number</p> <p>Find non-unit fractions of quantities.</p>	<p><i>compare and order fractions, including fractions >1</i></p> <p>Express fractions in a common denomination and use this to compare fractions that are similar in value. Compare fractions with different denominators, including fractions greater than 1, using reasoning, and choose between reasoning and common denomination as a comparison strategy.</p>

Comparing decimals			
	compare numbers with the same number of decimal places up to two decimal places	read, write, order and compare numbers with up to three decimal places Convert between units of measure, including using common decimals and fractions.	identify the value of each digit in numbers given to three decimal places
Rounding including decimals			
	round decimals with one decimal place to the nearest whole number	round decimals with two decimal places to the nearest whole number and to one decimal place	solve problems which require answers to be rounded to specified degrees of accuracy
Equivalence (including fractions, decimals and percentages)			
recognise and show, using diagrams, equivalent fractions with small denominators	recognise and show, using diagrams, families of common equivalent fractions	identify, name and write equivalent fractions of a given fraction, represented visually, including tenths and hundredths	use common factors to simplify fractions; use common multiples to express fractions in the same denomination
	recognise and write decimal equivalents of any number of tenths or hundredths	read and write decimal numbers as fractions (e.g. $0.71 = \frac{71}{100}$) recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents	associate a fraction with division and calculate decimal fraction equivalents (e.g. 0.375) for a simple fraction (e.g. $\frac{3}{8}$)
	recognise and write decimal equivalents to $\frac{1}{4}$; $\frac{1}{2}$; $\frac{3}{4}$	recognise the per cent symbol (%) and understand that per cent relates to “number of parts per hundred”, and write percentages as a fraction with denominator 100 as a decimal fraction	recall and use equivalences between simple fractions, decimals and percentages, including in different contexts.
Addition and Subtraction of fractions			
add and subtract fractions with the same denominator within one whole (e.g. $\frac{5}{7} + \frac{1}{7} = \frac{6}{7}$) Add and subtract fractions with the same denominator, within 1.	add and subtract fractions with the same denominator Add and subtract improper and mixed fractions with the same denominator, including bridging whole numbers	add and subtract fractions with the same denominator and multiples of the same number recognise mixed numbers and improper fractions and convert from one form to the other and write mathematical statements > 1 as a mixed number (e.g. $\frac{2}{5} + \frac{4}{5} = \frac{6}{5}$) Recall decimal fraction equivalents for $\frac{1}{2}$, $\frac{1}{4}$, $\frac{1}{5}$ and $\frac{1}{10}$, and for multiples of these proper fractions	add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions

Multiplication and division of fractions			
Find unit fractions of quantities using known division facts (multiplication tables fluency).		multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams	multiply simple pairs of proper fractions, writing the answer in its simplest form (e.g. $\frac{1}{4} \times \frac{1}{2} = \frac{1}{8}$)
			multiply one-digit numbers with up to two decimal places by whole numbers
			divide proper fractions by whole numbers (e.g. $\frac{1}{3} \div 2 = \frac{1}{6}$)
Multiplication and division of decimals			
			multiply one-digit numbers with up to two decimal places by whole numbers
	find the effect of dividing a one- or two-digit number by 10 and 100, identifying the value of the digits in the answer as ones, tenths and hundredths		multiply and divide numbers by 10, 100 and 1000 where the answers are up to three decimal places
			identify the value of each digit to three decimal places and multiply and divide numbers by 10, 100 and 1000 where the answers are up to three decimal places
			associate a fraction with division and calculate decimal fraction equivalents (e.g. 0.375) for a simple fraction (e.g. $\frac{3}{8}$)
			use written division methods in cases where the answer has up to two decimal places
Problem Solving			
solve problems that involve all of the above	solve problems involving increasingly harder fractions to calculate quantities, and fractions to divide quantities, including non-unit fractions where the answer is a whole number	solve problems involving numbers up to three decimal places	
	solve simple measure and money problems involving fractions and decimals to two decimal places.	solve problems which require knowing percentage and decimal equivalents of $\frac{1}{2}$, $\frac{1}{4}$, $\frac{1}{5}$, $\frac{2}{5}$, $\frac{4}{5}$ and those with a denominator of a multiple of 10 or 25.	

Greater depth	Greater depth	Greater depth	Greater depth
Can find fractional values (from $\frac{1}{2}$ to $\frac{1}{10}$) of amounts up to 1000.	Relate tenths and hundredths to fractional values. Work out simple percentage values of whole numbers. Compare and add fractions whose denominators are all multiples of the same number.		Compare, order and convert between fractions, decimals and percentages in contexts.
Key vocabulary	Key vocabulary	Key vocabulary	Key vocabulary
Sixths, sevenths, eighths, tenths , <i>unit fraction</i> , <i>non-unit fraction</i> , <i>compare</i> , <i>order</i>	Hundredths, decimal , decimal fractions , decimal point , decimal place , decimal equivalent , proportion , <i>equivalent fraction</i>	Common , convert , denominator , equivalent , factor , fraction , fractional pat, horizontally, improper fraction , integer , integer part, mixed number , numerator , part , proper fraction , remainder , unit fraction , vertically, whole	Common , denominator , common factor , compare , convert , denominator , equivalent , equivalent fraction , factors , fractions , fraction wall, greater , greatest , improper , improper fractions , integer , interval , mixed number , multiple , non-unit fraction , numerator , order , part , partition , pattern , representation , simplest form , simplify , unit fraction

Ratio and Proportion

KEY SKILLS			
Statements only appear in Year 6 but should be connected to previous learning, particularly fractions and multiplication and division			
Year 3	Year 4	Year 5	Year 6
			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 of percentages [for example, of measures, and such as 15% of 360] and the 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.
			Solve problems involving ratio relationships.
Greater depth	Greater depth	Greater depth	Greater depth
			Reason with numbers showing an understanding of ratio and proportion.
Key vocabulary	Key vocabulary	Key vocabulary	Key vocabulary
			Integer , percentages, scale factor , unequal grouping.
Cross-Curricular Links			
Year 6: Ratio and proportion to describe maps and populations in Geography. Science investigations where variables are being used.			

Measurement

KEY SKILLS		
Reception	Year 1	Year 2
Comparing and estimating		
Tackles problems involving prediction and discussion of comparisons of length, weight or capacity, paying attention to fairness and accuracy	compare, describe and solve practical problems for: <ul style="list-style-type: none"> * lengths and heights [e.g. long/short, longer/shorter, tall/short, double/half] * mass/weight [e.g. heavy/light, heavier than, lighter than] * capacity and volume [e.g. full/empty, more than, less than, half, half full, quarter] * time [e.g. quicker, slower, earlier, later] 	compare and order lengths, mass, volume/capacity and record the results using $>$, $<$ and $=$
	sequence events in chronological order using language [e.g. before and after, next, first, today, yesterday, tomorrow, morning, afternoon and evening]	compare and sequence intervals of time
Measuring and calculating		
Becomes familiar with measuring tools in everyday experiences and play	measure and begin to record the following: <ul style="list-style-type: none"> * lengths and heights * mass/weight * capacity and volume * time (hours, minutes, seconds) 	choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm); mass (kg/g); temperature ($^{\circ}$C); capacity (litres/ml) to the nearest appropriate unit, using rulers, scales, thermometers and measuring vessels
Beginning to experience measuring time with timers and calendars	recognise and know the value of different denominations of coins and notes	recognise and use symbols for pounds (£) and pence (p); 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
Telling the time		
	tell the time to the hour and half past the hour and draw the hands on a clock face to show these times.	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.
Able to order and sequence events using everyday language related to time	recognise and use language relating to dates, including days of the week, weeks, months and years	know the number of minutes in an hour and the number of hours in a day. (appears also in Converting)
Converting		
		know the number of minutes in an hour and the number of hours in a day. (appears also in Telling the Time)

Greater depth	Greater depth	Greater depth
<p>Estimate, measure, weigh and compare and order objects. Talk about properties, position and time.</p>	<p>Recognise all coins and notes, and know their value. Use coins to pay for items bought up to £1. Use knowledge of time to know when key periods of the day happen, for example, lunchtime, home time etc.</p>	<p>Read scales where not all numbers on the scale are given, and estimate points in between. Read the time on a clock to the nearest 5 minutes.</p>
Key vocabulary	Key vocabulary	Key vocabulary
<p>Measure, size, big, small, large, little, compare, guess, estimate, enough, too much, too little, too many, too few, nearly, close to, about the same as, length, height, long, short, tall, wide, narrow, thick, thin, longer, shorter, taller... longest, shortest, tallest, higher, highest..., weigh, weighs, balances, heavy, heavier, light, lighter, lightest, heaviest, heavier than, lighter than, scales, non-standard units, full, empty, half full, holds less, holds the least, holds the most, holds more, capacity, container, time, days of the week, Monday, Tuesday, day, week, birthday, morning, afternoon, evening, night, bedtime, dinner time, playtime, today, yesterday, tomorrow, before, after, next, last, quick, quicker, quickest, quickly, slow, slower, slowest, slowly, old, new, hour, o'clock, watch, clock, hands, money, coin, penny, pence, pound, price, cost, buy, sell, spend, spent, pay, <i>change, how much? How many? total, seasons, Spring, Summer, Autumn, Winter, month, year, weekend, holiday.</i></p>	<p>Measurement, roughly, centimetre, metre, standard units, wide, narrow, ruler, metre stick, kilogram, litre, capacity, volume, more than, less than, quarter full, months of the year, January, February..., seasons, Autumn, Winter, Spring, Summer, weekend, month, year, earlier, later, first, midnight, date, always, never, often, sometimes, usually, once, twice, half past, clock face, hour hand, minute hand, hours, minutes, <i>now, soon, early, late, quick, quicker, quickly, fast, slow, slower, old, older, oldest, new, newer, newest, takes longer, takes less time, o'clock, watch, hands, how long ago? How long will it be to...? How long will it take to...? How often? First, second, third, etc, close to, about the same as, just over, just under, enough, not enough, width, depth, long, short, tall, high, low, wide, narrow, deep, shallow, thick, thin, far, near, close, costs more, costs less, dear (er), cheaper, costs the same as.</i></p>	<p>Measuring scales, further, furthest, tape measure, gram, millimetre, temperature, degree, 5, 10, 15 minutes past/to, fortnight, quarter past/ to, digital, analogue, timer, seconds, bought, sold, <i>m/km, g/kg.</i></p>
Cross-curricular links		
<p>Music- singing familiar songs</p>		

Measurement

KEY SKILLS			
Year 3	Year 4	Year 5	Year 6
Comparing and estimating			
	estimate, compare and calculate different measures, including money in pounds and pence (also included in Measuring)	calculate and compare the area of squares and rectangles including using standard units, square centimetres (cm^2) and square metres (m^2) and estimate the area of irregular shapes (also included in measuring)	calculate, estimate and compare volume of cubes and cuboids using standard units, including centimetre cubed (cm^3) and cubic metres (m^3), and extending to other units such as mm^3 and km^3 .
		estimate volume (e.g. using 1 cm^3 blocks to build cubes and cuboids) and capacity (e.g. using water)	
compare durations of events, for example to calculate the time taken by particular events or tasks			
estimate and read time with increasing accuracy to the nearest minute; record and compare time in terms of seconds, minutes, hours and o'clock; use vocabulary such as a.m./p.m., morning, afternoon, noon and midnight (appears also in Telling the Time)			
Measuring and calculating			
measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml)	estimate, compare and calculate different measures , including money in pounds and pence (appears also in Comparing)	use all four operations to solve problems involving measure (e.g. length, mass, volume, money) using decimal notation including scaling.	solve problems involving the calculation and conversion of units of measure , using decimal notation up to three decimal places where appropriate (appears also in Converting)
measure the perimeter of simple 2-D shapes	measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres	measure and calculate the perimeter of composite rectilinear shapes in centimetres and metres	recognise that shapes with the same areas can have different perimeters and vice versa
add and subtract amounts of money to give change, using both £ and p in practical contexts			

	find the area of rectilinear shapes by counting squares	calculate and compare the area of squares and rectangles including using standard units, square centimetres (cm^2) and square metres (m^2) and estimate the area of irregular shapes <i>recognise and use square numbers and cube numbers, and the notation for squared (2) and cubed (3)</i> (copied from Multiplication and Division)	calculate the area of parallelograms and triangles calculate, estimate and compare volume of cubes and cuboids using standard units, including cubic centimetres (cm^3) and cubic metres (m^3), and extending to other units [e.g. mm^3 and km^3]. recognise when it is possible to use formulae for area and volume of shapes
Telling the 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	read, write and convert time between analogue and digital 12 and 24-hour clocks (appears also in Converting)		
estimate and read time with increasing accuracy to the nearest minute; record and compare time in terms of seconds, minutes, hours and o'clock; use vocabulary such as a.m./p.m., morning, afternoon, noon and midnight (appears also in Comparing and Estimating)			
	solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days (appears also in Converting)	solve problems involving converting between units of time	
Converting			
know the number of seconds in a minute and the number of days in each month, year and leap year	convert between different units of measure (e.g. kilometre to metre; hour to minute)	convert between different units of metric measure (e.g. kilometre and metre; centimetre and metre; centimetre and millimetre; gram and kilogram; litre and millilitre)	use, read, write and convert between standard units, converting measurements of length, mass, volume and time from a smaller unit of measure to a larger unit, and vice versa, using decimal notation to up to three decimal places
	read, write and convert time between analogue and digital 12 and 24-hour clocks (appears also in Converting)	solve problems involving converting between units of time	solve problems involving the calculation and conversion of units of measure, using decimal notation up to three decimal places where appropriate (appears also in Measuring and Calculating)

	<p>solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days (appears also in Telling the Time)</p>	<p>understand and use equivalences between metric units and common imperial units such as inches, pounds and pints</p>	<p>convert between miles and kilometres</p>
Greater depth	Greater depth	Greater depth	Greater depth
<p>Use knowledge of number to solve problems related to money, time and measures. Can relate knowledge of time to problems related to timetables. Measure, compare, add and subtract more complex problems using common metric measures set out in kg, g, kl, l, m, km.</p>	<p>Use a 24 hour timetable to find out times for a journey between various places. Use knowledge of perimeter to work out the perimeter of large areas around school using metres and centimetres.</p>	<p>Use knowledge of measurement to create plans of areas around school, such as classroom, field, play area etc. Relate imperial measures still used regularly in our society to their metric equivalent, e.g. miles to kilometres, pounds to kilograms. Use a range of timetables to work out journey times on a fictional journey around the world, e.g. how long would it take to reach the rainforests in the Amazon.</p>	<p>Use formula for measuring the area of shape such as cuboid and triangle to work out the area of an irregular shape in the school environment. Use four operations with mass, length, time, money and other measures, including with decimal quantities. Calculate costs and time involved to visit a destination in another part of the world.</p>
Key vocabulary	Key vocabulary	Key vocabulary	Key vocabulary
<p>Division, approximately, millimetre, kilometre, mile, distance apart, between, to, from, perimeter, centigrade, century, calendar, earliest, latest, a.m, p.m, roman numerals, 12 hour clock time, 24 hour clock time, leap year, Roman numerals I to XIII</p>	<p>2-D shape, Accurately, area, arrays, circle, compare, difference, greater than, halved, orientation, rectangle, rectilinear shape, rows, smaller than, square, surface, systematically, triangle, vertical line, visualise</p>	<p>Imperial unit, square metre, square millimetre, pint, gallon, discount, currency.</p>	<p>Capacity, centimetre, conversion, convert, distance, foot, gallon, gram, imperial, inch, kilogram, length, mass, measure, metric, ounce, pint, placeholder, pound, relationship, representation, stone, tonne, unit, volume, weight, zero</p>
Cross -Curricular Links			
Science, Music, History and Geography			

Geometry: Properties of Shapes

KEY SKILLS		
Reception	Year 1	Year 2
Identifying shapes and their properties		
<p>Investigates turning and flipping objects in order to make shapes fit and create models, predicting and visualising how they will look.</p> <p>Uses informal language (e.g. heart shaped and hand shaped leaves) as well as mathematical terms to describe shape.</p> <p>Composing and decomposing shapes, learning which shapes combine to make other shapes</p> <p>Uses own ideas to make models of increasing complexity, selecting blocks needed, solving problems and visualising what they will build</p>	<p>recognise and name common 2-D and 3-D shapes, including:</p> <ul style="list-style-type: none"> * 2-D shapes [e.g. rectangles (including squares), circles and triangles] * 3-D shapes [e.g. cuboids (including cubes), pyramids and spheres]. 	<p>identify and describe the properties of 2-D shapes, including the number of sides and line symmetry in a vertical line</p> <p>identify and describe the properties of 3-D shapes, including the number of edges, vertices and faces</p> <p>identify 2-D shapes on the surface of 3-D shapes, [for example, a circle on a cylinder and a triangle on a pyramid]</p>
Comparing and classifying		
		compare and sort common 2-D and 3-D shapes and everyday objects
Greater depth	Greater depth	Greater depth
Recognise and name a range of 2D and 3D shapes.	Recognise different 2D and 3D shapes in the environment.	Describe similarities and differences of 2D and 3D shapes using their properties.
Key vocabulary	Key vocabulary	Key vocabulary
Shape , pattern, flat , curved , straight , round, solid, sort, make, build, draw, size, bigger , larger , smaller , rotate, turn, symmetrical, pattern, repeating pattern , next, straight, spotty, stripy, <i>sort, make, build, draw, match</i> , 2D shape , corner , side , rectangle, square, circle, triangle, 3D shape , face , edge , corner, cube, pyramid, sphere, cone, <i>cuboid, cylinder</i> .	Point, pointed, <i>edge, pyramid, rectangles, orientations, cuboid, cylinder</i> , triangular prism, pentagon, roll, repeat, group .	Surface, line symmetry , rectangular, circular, triangular, pentagon, hexagon, octagon, diagonal, horizontal, vertical, flat face, vertex, Venn diagram, <i>similarities, differences, size, bigger, larger, smaller, symmetrical, fold, match, mirror line, reflection, lines of symmetry, middle</i> , polygon, <i>pattern, repeating pattern</i> .

Geometry: Properties of Shapes

KEY SKILLS			
Year 3	Year 4	Year 5	Year 6
Identifying shapes and their properties			
	identify lines of symmetry in 2-D shapes presented in different orientations Identify line symmetry in 2D shapes presented in different orientations. Reflect shapes in a line of symmetry and complete a symmetric figure or pattern with respect to a specified line of symmetry.	identify 3-D shapes, including cubes and other cuboids, from 2-D representations	recognise, describe and build simple 3-D shapes, including making nets (appears also in Drawing and Constructing) illustrate and name parts of circles, including radius, diameter and circumference and know that the diameter is twice the radius
	Identify regular polygons, including equilateral triangles and squares, as those in which the side-lengths are equal and the angles are equal. Find the perimeter of regular and irregular polygons.		
Drawing and constructing			
draw 2-D shapes and make 3-D shapes using modelling materials; recognise 3-D shapes in different orientations and describe them	complete a simple symmetric figure with respect to a specific line of symmetry	draw given angles, and measure them in degrees ($^{\circ}$)	draw 2-D shapes using given dimensions and angles recognise, describe and build simple 3-D shapes, including making nets
Draw polygons by joining marked points, and identify parallel and perpendicular sides.	Draw polygons, specified by coordinates in the first quadrant, and translate within the first quadrant.		Draw, compose, and decompose shapes according to given properties, including dimensions, angles and area, and solve related problems
Comparing and classifying			
	compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes	use the properties of rectangles to deduce related facts and find missing lengths and angles distinguish between regular and irregular polygons based on reasoning about equal sides and angles	compare and classify geometric shapes based on their properties and sizes and find unknown angles in any triangles, quadrilaterals, and regular polygons

		Compare areas and calculate the area of rectangles (including squares) using standard units.	
Angles			
recognise angles as a property of shape or a description of a turn		know angles are measured in degrees: estimate and compare acute, obtuse and reflex angles Compare angles, estimate and measure angles in degrees (°) and draw angles of a given size.	
identify right angles, recognise that two right angles make a half-turn, three make three quarters of a turn and four a complete turn; identify whether angles are greater than or less than a right angle Recognise right angles as a property of shape or a description of a turn, and identify right angles in 2D shapes presented in different orientations.	identify acute and obtuse angles and compare and order angles up to two right angles by size	identify: * angles at a point and one whole turn (total 360°) * angles at a point on a straight line and $\frac{1}{2}$ a turn (total 180°) * other multiples of 90°	recognise angles where they meet at a point, are on a straight line, or are vertically opposite, and find missing angles
identify horizontal and vertical lines and pairs of perpendicular and parallel lines			
Greater depth	Greater depth	Greater depth	Greater depth
	Know that the total internal angles of a triangle measure 180° and can measure each.	Recognise nets and show an understanding that they create 3D shapes. Solve problems involving angles.	
Key vocabulary	Key vocabulary	Key vocabulary	Key vocabulary
Draw, perimeter, pentagonal, hexagonal, octagonal, quadrilateral, right angled, parallel, perpendicular, hemisphere, prism, triangular prism, orientations, horizontal, vertical,	Line, construct, sketch, centre, angle, right angles, base, square based, reflect, reflection, regular, irregular, two-dimensional, oblong, rectilinear, equilateral triangle, isosceles triangle, scalene triangle, heptagon, parallelogram, rhombus, trapezium, polygon, three dimensional, spherical, cylindrical, tetrahedron, polyhedron, quadrilateral, right angle, acute and obtuse angles	Radius, diameter, congruent, axis of symmetry, reflective symmetry, x-axis, y-axis, quadrant, octahedron, regular and irregular polygons	Circumference, concentric, arc, net, open, closed, intersecting, intersection, plane, kite, dodecahedron, vertically opposite (angles),

Geometry: Position and Direction

KEY SKILLS		
Reception	Year 1	Year 2
Position, direction and movement		
<p>Uses spatial language , including following and giving directions, using relative terms and describing what they see from different viewpoints</p> <p>Make simple maps of familiar and imaginative environments, with landmarks</p>	<p>describe position, direction and movement, including half, quarter and three-quarter turns.</p>	<p>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 and anti-clockwise)</p>
Pattern		
<p>Spot patterns in the environment, beginning to identify the pattern 'rule'</p> <p>Choose familiar objects to create and recreate repeating patterns beyond AB patterns and begins to identify the unit of repeat</p>		<p>order and arrange combinations of mathematical objects in patterns and sequences</p>
Greater depth	Greater depth	Greater depth
<p>Give simple one step instructions using positional and directional language.</p>	<p>Give complex instructions using positional and directional language.</p>	
Key vocabulary	Key vocabulary	Key vocabulary
<p>Position, over, under, above, below, top, bottom, on, in, outside, inside, around, in front of, behind, front, back, beside, next to, between, pattern, repeated pattern, <i>same again, direction, underneath, before, after, middle, up, down, forwards, backwards, sideways, close, far, through, towards, away from, side, roll, turn</i> .</p>	<p>Underneath, centre, left, right, whole turn, half turn, quarter turn, three quarter turn, <i>position, around, opposite, apart, between, edge, corner, direction, journey, across, near, along, to, from, movement, stretch, bend.</i></p>	<p>Route, higher, lower, clockwise, anticlockwise, right angle, straight line, rotation, <i>ninety degree turn.</i></p>
Cross-curricular links		
<p>Geography- locating places on maps, drawing maps, using locational and directional language to describe routes on a map, fieldwork and observational skills.</p> <p>Computing- giving instructions/ creating simple programs (computational thinking).</p> <p>Art- patterns on fabrics, printing.</p>		

Geometry: Position and Direction

KEY SKILLS			
Year 3	Year 4	Year 5	Year 6
Position, direction and movement			
recognise angles as a property of shape or a description of a turn	describe positions on a 2-D grid as coordinates in the first quadrant	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	describe positions on the full coordinate grid (all four quadrants)
	describe movements between positions as translations of a given unit to the left/right and up/down		draw and translate simple shapes on the coordinate plane, and reflect them in the axes.
recognise angles as a property of shape or a description of a turn	plot specified points and draw sides to complete a given polygon		
Greater depth	Greater depth	Greater depth	Greater depth
Key vocabulary	Key vocabulary	Key vocabulary	Key vocabulary
Compass point, north, south, east, west, N, S, E, W, horizontal, vertical, diagonal, angle, greater/smaller angle than..., acute angle, obtuse angle, greater/less than ninety degrees, orientation(same or different)	North east, north west, south east, south west, NE, NW, SE, SW, translate, translation, rotate, rotation, degree, reflection, ruler, set square, angle measurer, compass, coordinates, quadrant, x-axis, y-axis, perimeter and area	Coordinate, protractor, <i>reflex angle, dimensions</i>	Reflex angle, <i>four quadrants</i>
Cross-Curricular Links			
Geography: Co-ordinates on maps Science: Graphs Art: Repeating patterns Computing: Coding, Spreadsheets			

Statistics

KEY SKILLS		
Reception	Year 1	Year 2
Handling data		
	interpret and construct simple pictograms, tally charts, block diagrams and simple tables	interpret and construct simple pictograms, tally charts, block diagrams and simple tables
		ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity
		ask and answer questions about totalling and comparing categorical data
Greater depth	Greater depth	Greater depth
		Answer questions analysing the data.
Key vocabulary	Key vocabulary	Key vocabulary
	<i>Tally, count, sort, how many, pictogram, represent, most/least popular.</i>	Count, tally , sort, vote, graph, block graph, pictogram , represent, group, set, list, table , label, title, most/least popular, most/least common.

Statistics

KEY SKILLS			
Year 3	Year 4	Year 5	Year 6
Counting			
interpret and present data using bar charts, pictograms and tables	interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs	complete, read and interpret information in tables, including timetables	interpret and construct pie charts and line graphs and use these to solve problems
Solving Problems			
solve one-step and two-step questions [e.g. 'How many more?' and 'How many fewer?'] using information presented in scaled bar charts and pictograms and tables.	solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs.	solve comparison, sum and difference problems using information presented in a line graph	calculate and interpret the mean as an average
Greater depth	Greater depth	Greater depth	Greater depth
	Collect own data on a given project and present information in graphical formats of their choosing.	Collect own data on a given project and present information in graphical formats of their choosing, charts, graphs and tables.	Collect own data on a personal project and present information in formats of their choosing, charts, graphs and tables, and answer specific questions related to their research.
Key vocabulary	Key vocabulary	Key vocabulary	Key vocabulary
Chart, bar chart, frequency table, Carroll diagram, Venn diagram, axis, axes, diagram	Survey, questionnaire, data, continuous data, line graph	Database, bar line chart, line graph , maximum/minimum value, outcome	Pie chart, mean, mode, median, range, estimates, statistics, distribution, construct
Cross-Curricular Links			
Geography: Showing data on various graphs History: Showing data on various graphs Science: Showing data on various graphs			

Algebra

KEY SKILLS		
Reception	Year 1	Year 2
Equations		
	solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as $7 = \square - 9$ (copied from Addition and Subtraction)	recognise and use the inverse relationship between addition and subtraction and use this to check calculations and missing number problems. (copied from Addition and Subtraction)
		recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100 (copied from Addition and Subtraction)
	represent and use number bonds and related subtraction facts within 20 (copied from Addition and Subtraction)	
Greater depth	Greater depth	Greater depth
Key vocabulary	Key vocabulary	Key vocabulary
	Number bonds , facts, addition , subtraction , missing number problems.	Inverse, check, fluently.

Algebra

KEY SKILLS			
Year 3	Year 4	Year 5	Year 6
Equations			
solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction. (copied from Addition and Subtraction)		use the properties of rectangles to deduce related facts and find missing lengths and angles (copied from Geometry: Properties of Shapes)	express missing number problems algebraically
solve problems, including missing number problems, involving multiplication and division, including integer scaling (copied from Multiplication and Division)			
			find pairs of numbers that satisfy number sentences involving two unknowns Solve problems with 2 unknowns.
			enumerate all possibilities of combinations of two variables
Formulae			
	Perimeter can be expressed algebraically as $2(a + b)$ where a and b are the dimensions in the same unit. (Copied from NSG measurement)		use simple formulae <i>recognise when it is possible to use formulae for area and volume of shapes</i> (copied from Measurement)
Sequences			
			generate and describe linear number sequences
Greater depth	Greater depth	Greater depth	Greater depth
		Calculate number problems algebraically for example $2x-3=5$.	Recognise an arithmetic progression and find the nth term. Move beyond squared and cubed numbers to calculate problems such as $X \times 10n$ where n is positive.
Key vocabulary	Key vocabulary	Key vocabulary	Key vocabulary
Missing number, complex, integer scaling, facts, complex	Dimensions, perimeter, algebraic	Missing lengths, missing angles	Formulae, equation, unknown, variable, linear number sequence, substitutes, symbol, known values

Reception Yearly Planning Overview 2025-26 – White Rose Maths

	Wk1 1.9.25 (3 days)	Wk2 8.9.25	Wk3 15.9.25	Wk4 22.9.25	Wk5 29.9.25	Wk6 6.10.25	Wk7 13.10.25	Wk8 20.10.25	Wk9 3.11.25	Wk10 10.11.25	Wk11 17.11.25	Wk12 24.11.25	Wk13 1.12.25	Wk14 8.12.25	Wk15 15.12.25
Autumn	<p>‘Getting to know you’</p> <p>Opportunities for settling in, introducing the areas of provision and getting to know the children.</p> <p>Baseline and Wellcomm assessments. Key times of day, class routines. Exploring the continuous provision inside and out. Where do things belong? Positional language.</p>		Match, sort and compare		Talk about measure and patterns		Representing 1, 2 and 3 Comparing 1, 2 and 3 Composition of 1, 2 and 3		Circles and triangles Positional language		Representing numbers to 5 One more and one less		Shapes with 4 sides		Consolidation
	Wk1 5.1.26 (4 days)	Wk2 12.1.26	Wk3 19.1.26	Wk4 26.1.26	Wk5 2.2.26	Wk6 9.2.26	Wk7 23.2.26	Wk8 2.3.26	Wk9 9.3.26	Wk10 16.3.26	Wk11 23.3.26	Wk12	Wk13	Wk14	
Spring	Introduce zero Find, subitise and Represent 0-5 Comparing numbers to 5 Composition of 4 and 5		Compare mass Compare capacity		6, 7 and 8 Combining 2 amounts Making pairs-odd and even Combining 2 groups Doubles to 8		Length and height	Time	Counting to 9 and 10 Comparing numbers to 10 Bonds to 10 Doubles to 10 Odd and even		3D shapes				
	Wk1 13.4.26 (4 days)	Wk2 20.4.26	Wk3 27.4.26	Wk4 4.5.26 (4 days)	Wk5 11.5.26	Wk6 18.5.26	Wk7 1.6.26	Wk8 8.6.26	Wk9 15.6.26	Wk10 22.6.26	Wk11 29.6.26	Wk12 6.7.26	Wk13 13.7.26	Wk14	
Summer	Building numbers to beyond 10 Exploring patterns beyond 10		Adding more Taking away		Rotate and manipulate shapes Compose and decompose shapes 2D and 3D shapes		Sharing and grouping		Patterns and relationships Money Time Positions		Deepening understanding		<u>Consolidation</u>		

Year 1 Yearly Planning Overview 2025-26

Writing in italics is based on our school curriculum that we feel the Year One child need to support progression of skills, building on EYFS learning and progressing skills ready for when they are in Year Two.

Bold statements refer to those expected for the children to achieve before moving onto the next step of learning. Some children will continue to work on these during their lessons to embed this learning until they are ready to move on.

	Wk1 1.9.25 (3 days)	Wk2 8.9.25	Wk3 15.9.25	Wk4 22.9.25	Wk5 29.9.25	Wk6 6.10.25	Wk7 13.10.25	Wk8 20.10.25	Wk9 3.11.25	Wk10 10.11.25	Wk11 17.11.25	Wk12 24.11.25	Wk13 1.12.25	Wk14 8.12.25	Wk15 15.12.25	
Autumn	<p>Number: Place Value (Numbers within 10)</p> <ul style="list-style-type: none"> - Count, read and write numbers from 1 to 10 in numerals - Count to and across one hundred, forwards and backwards from any given number - Given a number, identify one more and one less - Identify and represent numbers using objects and pictorial representations. 					<p>Number: Addition and subtraction (Numbers within 10)</p> <ul style="list-style-type: none"> - Read, write and interpret mathematical statements involving + and = signs. - Add and subtract one digit and two digit numbers to 20, including 0. - Represent and use number bonds and related subtraction facts within 10 (20). - Solve one step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems, e.g. $7 = ? - 9$. 					<p>Geometry</p> <ul style="list-style-type: none"> - Recognise and name common 2D and 3D shape. - Describe the properties of 2D and 3D. 		<p>Statistics</p> <ul style="list-style-type: none"> - Interpret and construct simple pictograms and tally charts. - Ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity. 		<p>Consolidation</p> <p>Identify learning children need extra support with and plan this in.</p>	

	Wk1 5.1.26 (4 days)	Wk2 12.1.26	Wk3 19.1.26	Wk4 26.1.26	Wk5 2.2.26	Wk6 9.2.26	Wk7 23.2.26	Wk8 2.3.26	Wk9 9.3.26	Wk10 16.3.26	Wk11 23.3.26	Wk12	Wk13	Wk14		
Spring	<p>Number: Place Value (Numbers within 20)</p> <ul style="list-style-type: none"> - Count, read and write numbers from 1 to 20 in numerals. - Count to and across one hundred, forwards and backwards from any given number - Given a number, identify one more and one less - Identify and represent numbers using objects and pictorial representations. 			<p>Number: Addition and subtraction (Numbers within 20)</p> <ul style="list-style-type: none"> - Read, write and interpret mathematical statements involving + - and = signs. - Add and subtract one digit and two digit numbers to 20, including 0. - Represent and use number bonds and related subtraction facts within 20. - Solve one step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems, e.g. $7 = ? - 9$. 			<p>Number: Place Value (Numbers within 50)</p> <ul style="list-style-type: none"> - Count, read and write numbers from 1 to 50 in numerals - Count to and across one hundred, forwards and backwards from any given number - Given a number, identify one more and one less - Identify and represent numbers using objects and pictorial representations. 			<p>Measurement: Length and height</p> <ul style="list-style-type: none"> - Compare, describe and solve practical problems for; > length and height - Measure and begin to record the following; > length and height 	<p>Measurement: Weight, volume, mass, capacity and temperature</p> <ul style="list-style-type: none"> - Compare, describe and solve practical problems for; > mass and weight > capacity and volume - Measure and begin to record the following; > mass and weight > capacity and volume 					

	Wk1 13.4.26 (4 days)	Wk2 20.4.26	Wk3 27.4.26	Wk4 4.5.26 (4 days)	Wk5 11.5.26	Wk6 18.5.26	Wk7 1.6.26	Wk8 8.6.26	Wk9 15.6.26	Wk10 22.6.26	Wk11 29.6.26	Wk12 6.7.26	Wk13 13.7.26	Wk14	
Summer	<p>Number: Division and Multiplication</p> <ul style="list-style-type: none"> - Solve one step problems involving multiplication and division by calculating the answer using concrete objects and pictorial representations, and arrays with the support of the teacher 			<p>Fractions</p> <ul style="list-style-type: none"> - Recognise, find and name half as one of two equal parts of an object, shape or quantity - Recognise, find and name quarter as one of four equal parts of an object, shape or quantity 		<p>Geometry: Position and direction</p> <ul style="list-style-type: none"> - Describe position, direction and movement, including whole, half, quarter and three quarter turns 	<p>Number: Place value (Numbers within 100)</p> <ul style="list-style-type: none"> - Count, read and write numbers to 100 in numerals, count in multiples of 2s, 5s and 10s. - Identify and represent numbers using objects and pictorial representations, including the number line and use the language of equal to, more than, less than (fewer), most and least. 	<p>Measurement: Money</p> <ul style="list-style-type: none"> - Recognise and know the value of different denominations of coins and notes 	<p>Measurement: Time</p> <ul style="list-style-type: none"> - Recognise and use language related to dates, including days of the week, weeks, months 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 - Sequence events in chronological order - Compare, describe and solve practical problems for time - Measure and begin to record time 			<p>Consolidation</p> <p>Identify learning children need extra support with and plan this in.</p>			

Year 2 Yearly Planning Overview 2025-26

Bold statements refer to those expected for the children to achieve before moving onto the next step of learning. Some children will continue to work on these during their lessons to embed this learning until they are ready to move on.

	Wk1 1.9.25 (3 days)	Wk2 8.9.25	Wk3 15.9.25	Wk4 22.9.25	Wk5 29.9.25	Wk6 6.10.25	Wk7 13.10.25	Wk8 20.10.25	Wk9 3.11.25	Wk10 10.11.25	Wk11 17.11.25	Wk12 24.11.25	Wk13 1.12.25	Wk14 8.12.25	Wk15 15.12.25
Autumn	<p><u>Number: Place Value</u> (Numbers to 100)</p> <ul style="list-style-type: none"> - Read and write numbers to at least 100 in numerals and words - Recognise the place value of each digit in a two-digit number - Use place value and number facts to solve problems - Identify, represent and estimate numbers using different representations, including the number line. - Count in steps of 2, 3 and 5 from 0 and in 10s from any number, forward and backward - Identify, represent and estimate numbers using different representations, including the number line - Compare and order numbers from 0 up to 100, use < > and = signs 				<p><u>Number: Addition and subtraction</u> (Numbers within 100)</p> <ul style="list-style-type: none"> - Add and subtract numbers, including; <ul style="list-style-type: none"> > a two-digit number and ones > a two-digit number and tens > adding three one-digit numbers > two two-digit numbers - Show that addition of two numbers can be done in any order and subtraction of one number from another cannot - Recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems - Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100 - Solve problems with addition and subtraction: using concrete objects and pictorial representations, including those involving numbers, quantities and measures; applying their increasing knowledge of mental and written methods. 					<p><u>Geometry: Properties of shape</u></p> <ul style="list-style-type: none"> - Identify and describe the properties of 3D shapes including the number of edges, vertices and faces - identify and describe the properties of 2D shapes, including the number of sides and line symmetry in a vertical line. - Identify 2D shapes on the surface of 3D shapes - Compare and sort common 2D and 3D shapes and everyday objects 			<p><u>Consolidation</u> Place Value</p>	<p><u>Consolidation</u> Addition and subtraction</p>	

	Wk1 5.1.26 (4 days)	Wk2 12.1.26	Wk3 19.1.26	Wk4 26.1.26	Wk5 2.2.26	Wk6 9.2.26	Wk7 23.2.26	Wk8 2.3.26	Wk9 9.3.26	Wk10 16.3.26	Wk11 23.3.26	Wk12	Wk13	Wk14	
Spring	<p>Measurement: Money</p> <ul style="list-style-type: none"> - Recognise and use symbols for pounds and pence; combine amounts to make a particular value - Find different combinations of coins that equal the same amounts of money - Solve simple problems of addition and subtraction of money of the same unit, including giving change 			<p>Number: Multiplication and division</p> <ul style="list-style-type: none"> - 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 and division of one number by another cannot - Calculate mathematical statements for multiplication and division within the multiplication tables and write them using the x ÷ and = signs - Solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in context. 				<p>Fractions</p> <ul style="list-style-type: none"> - Recognise, find, name and write fractions $\frac{1}{3}$ $\frac{1}{4}$ $\frac{2}{4}$ and $\frac{3}{4}$ of a length, shape, set of objects or quantity - Write simple fractions and recognise the equivalence of $\frac{2}{4}$ and $\frac{1}{2}$ 			<p>Measurement: Length and height</p> <ul style="list-style-type: none"> - Choose and use appropriate standard units to estimate and measure length/height; to the nearest appropriate unit, using rulers, scales. - Compare and order lengths and record the results using > < and = 				

	Wk1 13.4.26 (4 days)	Wk2 20.4.26	Wk3 27.4.26	Wk4 4.5.26 (4 days)	Wk5 11.5.26	Wk6 18.5.26	Wk7 1.6.26	Wk8 8.6.26	Wk9 15.6.26	Wk10 22.6.26	Wk11 29.6.26	Wk12 6.7.26	Wk13 13.7.26	Wk14
Summer	<p>Measurement: Time</p> <ul style="list-style-type: none"> - 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 hours in a day 			<p>Measurement: Weight, volume, mass, capacity and temperature</p> <ul style="list-style-type: none"> - Choose and use appropriate standard units to estimate and measure mass; temperature; capacity to the nearest appropriate unit, using scales, thermometers and measuring vessels. - Compare and order mass, volume/capacity and record the results using > < and = 			<p>Statistics</p> <ul style="list-style-type: none"> - Interpret and construct simple pictograms, tally charts, block diagrams and simple tables - Ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity - Ask and answer simple questions about totalling and comparing categorical data 		<p>Geometry: Position and direction</p> <ul style="list-style-type: none"> - Order and arrange combinations of mathematical objects and patterns and sequences - Use mathematical vocabulary to describe position, direction and movement and distinguishing between rotation as a turn and in terms of right angles for quarter, half and three quarter turns (clockwise and anticlockwise). 			<p>Consolidation: Ready to progress objectives (bold statements) / key skills</p> <p>Identify learning children need extra support with and plan this in.</p>		

Year 3 Yearly Planning Overview 2025-26

Year 3	Wk1	Wk2	Wk3	Wk4	Wk5	Wk6	Wk7	Wk8	Wk9	Wk10	Wk11	Wk12
Autumn	Place Value 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 1,000 Understand the value of Hundreds, tens and ones Find 1, 10 or 100 more or less Number line to 1,000 Estimate on a number line to 1,000 Compare numbers to 1,000 Order numbers to 1,000 Count in 50s Solve number problems and practical problems involving the above RTP -Know that 10 tens are equivalent to 1 hundred, and that 100 is 10 times the size of 10; apply this to identify and work out how many 10s there are in other three-digit multiples of 10. -Reason about the location of any three-digit number in the linear number system, including identifying the previous and next multiple of 100 and 10. -Recognise the place value of each digit in three-digit numbers, and compose and decompose three-digit numbers using standard and non-standard partitioning.			Addition and Subtraction 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 a10 Subtract 10s across a 100 Make connections with all of the above Add two numbers (no exchange) Subtract two numbers (no exchange) Add two numbers (across a 10) 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 Step 20 Estimate answers Use Inverse operations Make decisions on which operation to use Solve addition and subtraction 2 step problems in contexts (choose methods and explain why) RTP -Secure fluency in addition and subtraction facts that bridge 10, through continued practice. -Add and subtract up to three-digit numbers using columnar methods. -Manipulate the additive relationship: Understand the inverse relationship between addition and subtraction, and how both relate to the part-part-whole structure. Understand and use the commutative property of addition, and understand the related property for subtraction. -Calculate complements to 100.					Multiplication and Division Multiplication – equal groups Use arrays Know Multiples of 2 Know Multiples of 5 and 10 Use sharing and grouping Multiply and divide by 3 Know the 3 times-table Multiply and divide by 4 Know the 4 times-table Multiply and divide by 8 Know the 8 times-table RTP -Recall multiplication facts, and corresponding division facts, in the 10, 5, 2, 4 and 8 multiplication tables, and recognise products in these multiplication tables as multiples of the corresponding number.			
	Spring	Multiplication and Division Multiples of 10 Reasoning about multiplication			Length and Perimeter Measure in metres and centimetres Measure in millimetres			Fractions Understand the denominators of unit fractions			Mass and Capacity Use scales Measure mass in grams	

	<p>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</p> <p>RTP -Divide 100 into 2, 4, 5 and 10 equal parts, and read scales/number lines marked in multiples of 100 with 2, 4, 5 and 10 equal parts -Apply known multiplication and division facts to solve contextual problems with different structures, including quotitive and partitive division -Apply place-value knowledge to known additive and multiplicative number facts (scaling facts by 10).</p>	<p>Measure in centimetres and millimetres Metres, centimetres and millimetres Equivalent lengths (metres and centimetres) Equivalent lengths (centimetres and millimetres) Compare lengths Add lengths Subtract lengths What is perimeter? Measure perimeter Calculate perimeter</p>	<p>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 Equivalent fractions as bar models</p>	<p>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 Equivalent capacities and volumes (litres and millilitres) Compare capacity and volume Add and subtract capacity and volume</p>
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<p>Summer</p>	<p>Fractions Add fractions Subtract fractions Partition the whole Find unit fractions of a set of objects Find non-unit fractions of a set of objects Reasoning with fractions of an amount</p>	<p>Money Pounds and pence Convert pounds and pence Add money Subtract money Find change</p>	<p>Time Roman numerals to 12 Tell the time to 5 minutes Tell the time to the minute Read time on a digital clock Use a.m. and p.m. Years, months and days Days and hours Hours and minutes - use start and end times Hours and minutes - use durations Minutes and seconds Units of time Solve problems with time</p>	<p>Shape 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>	<p>Statistics Interpret pictograms Draw pictograms Interpret bar charts Draw bar charts Collect and represent data Two-way tables</p>	<p>Consolidation</p>
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Year 4 Yearly Planning Overview 2025-26

Year 4	Wk1	Wk2	Wk3	Wk4	Wk5	Wk6	Wk7	Wk8	Wk9	Wk10	Wk11	Wk12	
Autumn	<p>Place Value Represent numbers to 1,000 Partition numbers to 1,000 Use a number line to 1,000 Understand thousands Represent numbers to 10,000 Partition numbers to 10,000 Use flexible partitioning of numbers to 10,000 Find 1, 10, 100, 1,000 more or less Solve number and practical problems involving the above with increasingly large numbers</p> <p>RTP -Know that 10 hundreds are equivalent to 1 thousand, and that 1,000 is 10 times the size of 100; apply this to identify and work out how many 100s there are in other four-digit multiples of 100. -Recognise the place value of each digit in four-digit numbers, and compose and decompose four-digit numbers using standard and nonstandard partitioning -Divide 100 into 2, 4, 5 and 10 equal parts, and read scales/number lines marked in multiples of 100 with 2, 4, 5 and 10 equal parts -Reason about the location of any four-digit number in the linear number system, including identifying the previous and next multiple of 1,000 and 100, and rounding to the nearest of each.</p>				<p>Addition and Subtraction Use a number line to 10,000 Estimate on a number line to 10,000 Compare numbers to 10,000 Order numbers to 10,000 Know Roman numerals Round to the nearest 10 Round to the nearest 100 Round to the nearest 1,000 Add and subtract 1s, 10s, 100s and 1,000s Step 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 Choose efficient subtraction methods Solve addition and subtraction 2 step problems in context (choose methods, explain why)</p>				<p>Area What is area? Count squares Make shapes Compare areas</p>	<p>Multiplication and Division Know multiples of 3 Multiply and divide by 6 Know 6 times-table and division facts Multiply and divide by 9 Multiply and divide by 7 Know 7 times-table and division facts Know 11 times-table and division facts Know 12 times-table and division facts Multiply by 1 and 0 Divide a number by 1 and itself Multiply three numbers</p> <p>RTP -Recall multiplication and division facts up to 12x12, and recognise products in multiplication tables as multiples of the corresponding number.</p>			

<p>Spring</p>	<p>Multiplication and Division 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 Divide a 3-digit number by a 1-digit number Correspondence problems Efficient multiplication RTP -Multiply and divide whole numbers by 10 and 100 (keeping to whole number quotients); understand this as equivalent to making a number 10 or 100 times the size. -Solve division problems, with two-digit dividends and one-digit divisors, that involve remainders, and interpret remainders appropriately according to the context. -Manipulate multiplication and division equations, and understand and apply the commutative property of multiplication. -Understand and apply the distributive property of multiplication -Apply place-value knowledge to known additive and multiplicative number facts (scaling facts by 100)</p>	<p>Length and Perimeter Measure in kilometres and metres Equivalent lengths (kilometres and metres) Perimeter on a grid Perimeter of a rectangle Perimeter of rectilinear shapes Find missing lengths in rectilinear shapes Calculate the perimeter of rectilinear shapes Perimeter of regular polygons Perimeter of polygons</p>	<p>Fractions 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 Add two or more fractions Add fractions and mixed numbers Subtract two fractions Subtract from whole amounts Subtract from mixed numbers</p>	<p>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 Hundredths on a place value chart Divide a 1- or 2-digit number by 100</p>
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<p>Summer</p>	<p>Decimals 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</p>	<p>Shape Understand angles as turns Identify angles Compare and order angles Triangles Quadrilaterals Polygons Lines of symmetry Complete a symmetric figure</p>	<p>Position and Direction Describe position using coordinates Plot coordinates Draw 2-D shapes on a grid Translate on a grid Describe translation on a grid</p>	<p>Statistics Interpret charts Comparison, sum and Difference Interpret line graphs Draw line graphs</p>	<p>Money Write money using decimals Convert between pounds and pence Compare amounts of money Estimate with money Calculate with money Solve problems with money</p>	<p>Time 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</p>	<p>Consolidation</p>
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Year 5 Yearly Planning Overview 2025-26

Year 5	Wk1	Wk2	Wk3	Wk4	Wk5	Wk6	Wk7	Wk8	Wk9	Wk10	Wk11	Wk12
Autumn	<p>Place Value 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 Round within 1,000,000</p> <p>RTP -Reason about the location of any number with up to 2 decimals places in the linear number system, including identifying the previous and next multiple of 1 and 0.1 and rounding to the nearest of each. -Recognise the place value of each digit in numbers with up to 2 decimal places, and compose and decompose numbers with up to 2 decimal places using standard and nonstandard partitioning</p>			<p>Addition and Subtraction 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>		<p>Multiplication and Division Multiples Common multiples Factors 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> <p>RTP -Secure fluency in multiplication table facts, and corresponding division facts, through continued practice. -Multiply and divide numbers by 10 and 100; understand this as equivalent to making a number 10 or 100 times the size, or 1 tenth or 1 hundredth times the size. -Find factors and multiples of positive whole numbers, including common factors and common multiples, and express a given number as a product of 2 or 3 factors. -Multiply any whole number with up to 4 digits by any one-digit number using a formal written method. -Divide a number with up to 4 digits by a one-digit number using a formal written method, and interpret remainders appropriately for the context. -Apply place-value knowledge to known additive and multiplicative number facts (scaling facts by 1 tenth or 1 hundredth).</p>			<p>Fractions A 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 the same denominator 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> <p>RTP -Find equivalent fractions and understand that they have the same value and the same position in the linear number system. -Find non-unit fractions of quantities. Recall decimal fraction equivalents for 1/2, ¼, 1/5 and 1/10 , and for multiples of these proper fractions</p>			

<p>Spring</p>	<p>Multiplication and Division 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 by a 2-digit number 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>	<p>Fractions B Multiply a unit fraction by an integer Multiply a non-unit fraction by an integer Multiply a mixed number by an integer Calculate a fraction of a quantity Fraction of an amount Find the whole Use fractions as operators</p>	<p>Decimals and Percentages Decimals up to 2 decimal places Equivalent fractions and decimals (tenths) Equivalent fractions and decimals (hundredths) Equivalent fractions and decimals Thousandths as fractions 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> <p>RTP -Know that 10 tenths are equivalent to 1 one, and that 1 is 10 times the size of 0.1. -Know that 100 hundredths are equivalent to 1 one, and that 1 is 100 times the size of 0.01. Know that 10 hundredths are equivalent to 1 tenth, and that 0.1 is 10 times the size of 0.01. -Divide 1 into 2, 4, 5 and 10 equal parts, and read scales/number lines marked in units of 1 with 2, 4, 5 and 10 equal parts.</p>	<p>Perimeter and Area Perimeter of rectangles Perimeter of rectilinear shapes Perimeter of polygons Area of rectangles Area of compound shapes Estimate area</p>	<p>Statistics Draw line graphs Read and interpret line graphs Read and interpret tables Two-way tables Read and interpret timetables</p>
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<p style="text-align: center;">Summer</p>	<p>Shape 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</p>	<p>Position and Direction Read and plot coordinates Problem solving with Coordinates Translation Translation with coordinates Lines of symmetry Reflection in horizontal and vertical lines</p>	<p>Decimals 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 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>	<p>Negative Numbers Understand negative Numbers Count Through zero in 1s Count through zero in multiples Compare and order negative numbers Find the difference</p>	<p>Converting Units Kilograms and kilometres Millimetres and millilitres Convert units of length Convert between metric and imperial units Convert units of time Calculate with timetables</p> <p>RTP -Convert between units of measure, including using common decimals and fractions.</p>	<p>Volume Cubic centimetres Compare volume Estimate volume Estimate capacity</p>
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Year 6 Yearly Planning Overview 2025-26

Year 6	Wk1	Wk2	Wk3	Wk4	Wk5	Wk6	Wk7	Wk8	Wk9	Wk10	Wk11	Wk12	
Autumn	<p>Place Value 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 RTP -Understand the relationship between powers of 10 from 1 hundredth to 10 million, and use this to make a given number 10, 100, 1,000, 1 tenth, 1 hundredth or 1 thousandth times the size (multiply and divide by 10, 100 and 1,000). -Reason about the location of any number up to 10 million, including decimal fractions, in the linear number system, and round numbers, as appropriate, including in contexts. -Recognise the place value of each digit in numbers up to 10 million, including decimal fractions, and compose and decompose numbers up to 10 million using standard and nonstandard partitioning</p>		<p>Four Operations 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 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 RTP -Understand that 2 numbers can be related additively or multiplicatively, and quantify additive and multiplicative relationships (multiplicative relationships restricted to multiplication by a whole number). -Use a given additive or multiplicative calculation to derive or complete a related calculation, using arithmetic properties, inverse relationships, and place-value understanding. Recognise repeated addition contexts, representing them with multiplication equations and calculating the product, within the 2, 5 and 10 multiplication tables. -Relate grouping problems where the number of groups is unknown to multiplication equations with a missing factor, and to division equations (quotitive division).</p>					<p>Fractions A 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 Multi-step problems RTP -Recognise when fractions can be simplified, and use common factors to simplify fractions -Express fractions in a common denomination and use this to compare fractions that are similar in value. -Compare fractions with different denominators, including fractions greater than 1, using reasoning, and choose between reasoning and common denomination as a comparison strategy.</p>			<p>Fractions B 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>		<p>Converting Units Metric measures Convert metric measures Calculate with metric measures Miles and kilometres Imperial measures</p>

	<p>-Divide powers of 10, from 1 hundredth to 10 million, into 2, 4, 5 and 10 equal parts, and read scales/number lines with labelled intervals divided into 2, 4, 5 and 10 equal parts.</p>					
<p>Spring</p>	<p>Ratio 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</p>	<p>Algebra 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>	<p>Decimals 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 Multiply decimals by integers Divide decimals by integers Multiply and divide decimals in context</p>	<p>Fractions, Decimals and Percentages Decimal and fraction equivalents Fractions as division Understand percentages Fractions to percentages Equivalent fractions, decimals and percentages Order fractions, decimals and percentages Percentage of an amount – one step Percentage of an amount – multi-step Percentages – missing values</p>	<p>Area, Perimeter and Volume 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</p>	<p>Statistics Line graphs Dual bar charts Read and interpret pie charts Pie charts with percentages Draw pie charts The mean</p>
<p>Summer</p>	<p>Shape Measure and classify angles Calculate angles Vertically opposite angles Angles in a triangle Angles in a triangle – special cases Angles in a triangle – missing angles Angles in quadrilaterals Angles in polygons Circles Draw shapes accurately Nets of 3-D shapes</p>	<p>Position and Direction The first quadrant Read and plot points in four quadrants Solve problems with coordinates Translations Reflections</p>	<p>Preparation for High School (Accuracy and Presentation) Themed Projects, Consolidation and Problem Solving</p>			