



Spring Class Maths Planning Overview

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7
Aut 1	Number - Place Value 1 Count in multiples/powers Negative numbers Recognise place value/represent Rounding		Number - Fractions 1 Counting in decimals/fractions Understand decimal place value Multiply/divide 10, 100, 1000 Solve problems		Number - Addition and subtraction 1 Mental methods Written methods Checking mechanisms		
Aut 2	Number - Addition and subtraction 2 Solving problems	Geometry 1 - properties of shape Compare and classify Angles	Number - Multiplication and Division 1 Counting in multiples Multiply and divide 6, 9, 12 Multiply and divide mentally Multiples and factor pairs		Measures 1 Convert between measures(length/mass) Tell the time: analogue / digital 12 and 24hr	Assess and Review	
Spr 1	Number - Place Value 2 Count in multiples/powers Order, compare and write Roman numerals Solve problems		Measures 2 Estimate/compare/ calculate Time and money	Number - Addition and subtraction 3 Mental methods Written methods Checking mechanisms Solving problems		Geometry 2 - properties of shape Symmetry Properties of shape	
Spr 2	Number - Fractions 2 Equivalent Adding/subtracting Percentages Solve problems		Geometry 3 - position and direction Coordinates Translation and reflection	Number - Multiplication and Division 2 Multiply and divide 7 and 11 Multiply and divide written methods Prime numbers/squares/cubes Solve problems		Assess and Review	
Sum 1	Number - Place Value 3 Count in multiples/powers Order, compare and write Solve problems		Number - Addition and subtraction 4 Mental methods Written methods Checking mechanisms Solving problems		Number - Fractions 3 Order and compare Equivalent Multiplying fractions Rounding decimals		
Sum 2	Number - Multiplication and Division 3 Multiples of 25/1000 Multiply and divide written methods Solve problems		Measures 3 Estimate/compare/ calculate Area and perimeter Volume and capacity		Statistics 1 Interpreting and presenting data	Assess and Consolidate	

Number and Place Value

YEAR 4 NC Objectives	YEAR 5 NC Objectives	Autumn Content Y4, Y4/5 and Y5	Spring Content Y4, Y4/5 and Y5	Summer Content Y4, Y4/5 and Y5
Counting		Place Value 1	Place Value 2	Place Value 3
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	Count backwards through zero	Count forwards/backwards through zero	Count in multiples of 25/1000
Count in multiples of 6, 7, 9, 25 and 1 000	Count forwards or backwards in steps of powers of 10 for any given number up to 1 000 000	Count in multiples of 6/9	and interpret numbers in context	Find 1000 more or less than a given number
Find 1 000 more or less than a given number				
Comparing Numbers		Place Value 1	Place Value 2	Place Value 3
Order and compare numbers beyond 1 000	Read, write, order and compare numbers to at least 1 000 000 and determine the value of each digit	Count forwards/backwards in steps of powers of 10, 100, 1000 for numbers to 500,000	Count in multiples of 7	Count forwards/backwards in steps of powers of 10 for numbers to 1m
Compare numbers with the same number of decimal places up to two decimal places			Count forwards/backwards in steps of any powers of 10 for numbers to 500,000	
Identifying, Estimating and Representing Numbers		Place Value 1	Place Value 2	Place Value 3
Identify, represent and estimate numbers using different representations		Recognise place value in 4 digit number/read/order/ compare to 500,000	Order and compare numbers beyond 1000	Read/write/order/compare to 1m
Reading and Writing Numbers		Place Value 1	Place Value 2	Place Value 3
	Read, write, order and compare numbers to at least 1 000 000 and determine the value of each digit (appears also in Comparing Numbers)	Identify/represent/estimate (counters, base 10 blocks)	Write/compare numbers to 500,000	Compare numbers (with same number of decimal places) up to two/three decimal places
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 Roman numerals to 1 000 (M) and recognise years written in Roman numerals.	Multiply and divide one/two-digit (whole and those involving decimals) numbers by 10 and 100/1000	Identify/represent/estimate (coins)	Multiply and divide one/two-digit (whole and those involving decimals) numbers by 10 and 100/1000
Understanding Place Value		Place Value 1	Place Value 2	Place Value 3
Recognise the place value of each digit in a four-digit number (thousands, hundreds, tens, and ones)	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)	Round to nearest 10, 100/ numbers to 500,000 to nearest 10, 100, 1000	Roman numerals to 100/1000	Round decimals with one decimal place to the nearest whole number and to one decimal place
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 and use thousandths and relate them to tenths, hundredths and decimal equivalents	Recognise and use thousandths and relate to tenths and hundredths	Round to nearest 10, 100, 1000/ numbers to 1m to 10, 100, 1000, 10000	Round decimals with one decimal place to the nearest whole number and to one decimal place
	Multiply and divide whole numbers and those involving decimals by 10, 100 and 1000		Recognise and use thousandths and relate to decimals	Recognise and use thousandths and relate to tenths, hundredths and decimals
Rounding		Place Value 1	Place Value 2	Place Value 3
Round any number to the nearest 10, 100 or 1 000	Round any number up to 1000000 to the nearest 10, 100, 1000 10 000 and 100 000		Solve number problems that involve all of the above	Solve number problems that involve all of the above
Round decimals with one decimal place to the	Round decimals with two decimal places to the			

nearest whole number	nearest whole number and to one decimal place		
Problem Solving			
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		
Ready to Progress Criteria			
<p>4NPV-1 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.</p> <p>4NPV-2 Recognise the place value of each digit in four-digit numbers, and compose and decompose four-digit numbers using standard and non-standard partitioning.</p> <p>4NPV-3 Reason about the location of any fourdigit 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>4NPV-4 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.</p>	<p>5NPV-1 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.</p> <p>5NPV-2 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 non-standard partitioning.</p> <p>5NPV-3 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</p> <p>5NPV-4 Divide 1 into 2, 4, 5 and 10 equal parts, and read scales/number lines marked in units of 1 with 2, 4,</p> <p>5NPV-5 Convert between units of measure, including using common decimals and fractions</p>		

Addition and Subtraction						
YEAR 4 NC Objectives		YEAR 5 NC Objectives		Autumn Content Y4, Y4/5 and Y5	Spring Content Y4, Y4/5 and Y5	Summer Content Y4, Y4/5 and Y5
Mental Calculation				Number - Addition and Subtraction 1	Number - Addition and Subtraction 3	Number - Addition and Subtraction 4
	Add and subtract numbers mentally with increasingly large numbers			Add and subtract numbers mentally with increasingly large numbers (different methods)	Add and subtract numbers mentally with increasingly large numbers (bar models)	Add and subtract numbers (including decimals) mentally with increasingly large numbers
Written 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 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			Add and subtract numbers up to (more than) 4 digits using written	Add and subtract numbers up to 4 digits (up to 500,000) using written method	Add and subtract numbers up to 4 digits (including decimals) (up to

Problem Solving		method	Estimate and use inverse (rounding) operations to check answers	1m) using written method
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			
Ready to Progress Criteria		Number - Addition and Subtraction 2	Solve addition and subtraction two-step (multi-step) problems	Solve addition and subtraction two-step (multi-step) problems
4NF-3 Apply place-value knowledge to known additive and multiplicative number facts (scaling facts by 100)	5NF-2 Apply place-value knowledge to known additive and multiplicative number facts (scaling facts by 1 tenth or 1 hundredth).			

Multiplication and Division						
YEAR 4 NC Objectives		YEAR 5 NC Objectives		Autumn Content Y4, Y4/5 and Y5	Spring Content Y4, Y4/5 and Y5	Summer Content Y4, Y4/5 and Y5
Multiplication and Division Facts		Count in multiples of 6, 7, 9, 25 and 1 000	Count forwards or backwards in steps of powers of 10 for any given number up to 1 000 000	Number - Multiplication and Division 1 Count in multiples of 6, 9	Number - Multiplication and Division 2 Count in multiples of 7	Number - Multiplication and Division 3 Count in multiples of 25, 1000
Mental Calculation		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	Recall \times and \div facts for 6, 9, 12	Recall \times and \div facts for 7, 11	Recall \times and \div facts up to 12×12
Recognise and use factor pairs and commutativity in mental calculations	Multiply and divide whole numbers and those involving decimals by 10, 100 and 1000	Count forwards/backwards in steps of powers of 10, 100, 1000 for numbers to 500,000	Count forwards/backwards in steps of any powers of 10 for numbers to 500,000	Multiply and divide mentally using known facts, including multiplying together 3 numbers	Multiply and divide mentally using known facts, including multiplying by 0 and 1/ dividing by 1	Count forwards/backwards in steps of powers of 10 for numbers to 1m
Written Calculation		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 and divide one/two-digit (whole and those involving decimals) numbers by 10 and 100/ 1000	Multiply 2/3 (4) digit numbers by a 1 (or 2) digit number using written layout (long multiplication)	Multiply and divide one/two-digit (whole and those involving decimals) numbers by 10 and 100/ 1000
	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					
Properties of Numbers: Multiples, Factors, Primes, Square and Cube Numbers		Recognise and use factor pairs and commutativity in mental calculations	Identify multiples and factors, including finding all factor pairs of a number, and common factors of two numbers	Identify and use multiples and factor pairs (including finding all factor pairs and common factors) (and	Divide up to 4 digits by 1 digit number using short division	Divide up to 4 digits by 1 digit number using short division and interpret remainders
	Know and use the vocabulary of prime numbers, prime factors and composite (nonprime)			Understand prime and		

	<p>numbers</p> <p>Establish whether a number up to 100 is prime and recall prime numbers up to 19</p> <p>Recognise and use square numbers and cube numbers, and the notation for squared (2) and cubed (3)</p>	<p>commutativity in mental calculations)</p> <p>Solve problems involving \times and $+$ using distributive law to multiply</p> <p>Solve problems involving $+$ $-$ \times and \div including understanding the meaning of $=$</p>	<p>composite numbers and prime factors/recall those to 19 and establish to 100</p> <p>Recognise square and cube numbers and notations</p> <p>Solve problems involving \times and \div, including using knowledge of factors and multiples, squares and cubes</p> <p>Solve problems involving \times and $+$ including integer scaling problems</p> <p>Solve problems involving \times and \div, including scaling by simple fractions and rates</p>	<p>Solve problems involving \times and $+$ including correspondence problems</p> <p>Solve problems involving $+$ $-$ \times and \div</p> <p>Solve problems involving \times and \div, including scaling by simple fractions and rates</p>
Problem Solving				
<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 and a combination of these, including understanding the meaning of the equals sign</p> <p>Solve problems involving multiplication and division, including scaling by simple fractions and problems involving simple rates</p>			
Ready to Progress Criteria				
<p>4NF-1 Recall multiplication and division facts up to 12×12, and recognise products in multiplication tables as multiples of the corresponding number.</p> <p>4NF-2 Solve division problems, with two-digit dividends and one-digit divisors, that involve remainders, and interpret remainders appropriately according to the context.</p> <p>4NF-3 Apply place-value knowledge to known additive and multiplicative number facts (scaling facts by 100)</p> <p>4MD-1 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.</p> <p>4MD-2 Manipulate multiplication and division equations, and understand and apply the commutative property of multiplication.</p> <p>4MD-3 Understand and apply the distributive property of multiplication.</p>	<p>5NF-1 Secure fluency in multiplication table facts, and corresponding division facts, through continued practice.</p> <p>5NF-2 Apply place-value knowledge to known additive and multiplicative number facts (scaling facts by 1 tenth or 1 hundredth).</p> <p>5MD-1 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.</p> <p>5MD-2 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> <p>5MD-3 Multiply any whole number with up to 4 digits by any one-digit number using a formal written method.</p> <p>5MD-4 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>			

Fractions (including Decimals and Percentages)

YEAR 4 NC Objectives	YEAR 5 NC Objectives	Autumn Content Y4, Y4/5 and Y5	Spring Content Y4, Y4/5 and Y5	Summer Content Y4, Y4/5 and Y5
Count in Fractional Steps				
Count up and down in hundredths		Fractions 1	Fractions 2	Fractions 3
Recognising Fractions		Count up and down in hundredths	Compare and order fractions	Compare numbers (with the same number of decimal places) up to two/three decimal places
Recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten	Recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents	Recognise and use hundredths (and thousandths) and relate them to wholes, tenths, hundredths and decimal equivalents	Recognise and show (identify, name and write), using diagrams, families of common equivalent fractions (including tenths and hundredths)	Read, write, order and compare numbers with (the same number of decimal places up to 2) (up to 3) decimal places
Comparing Fractions				
	Compare and order fractions whose denominators are all multiples of the same number	Read, write, order and compare numbers with up to 2 decimal places	Recognise and write decimal equivalents of any number of tenths or hundredths	Round decimals with one/two decimal place(s) to the nearest whole number and to one decimal place
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	Read and write decimal numbers as fractions	Recognise and use thousandths and relate to decimals (measurement)	Recognise and write decimal equivalents of any number of tenths or hundredths and $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$
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	Multiply and divide one/two-digit (whole and those involving decimals) numbers by 10 and 100/1000	Recognise % symbol and relate to fractions and decimals	Recognise and use thousandths and relate to decimals
Equivalence (Including Fractions, Decimals and Percentages)				
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	Solve problems involving numbers up to three decimal places	Add and subtract fractions with the same denominator (and multiples of the same number)	Recognise % symbol and find percentages of amounts
Recognise and write decimal equivalents of any number of tenths or hundredths	Read and write decimal numbers as fractions (e.g. $0.71 = 71/100$)		Recognise mixed numbers and improper fractions and convert between them	Add and subtract fractions with the same denominator (and multiples of the same number)
Recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents	Recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents		Solve problems which require knowing percentage and decimal equivalents of $\frac{1}{2}$, $\frac{1}{4}$, $1/5$, $2/5$, $4/5$ and those with	Recognise mixed numbers and improper fractions and convert between them (converting result
Recognise and write decimal equivalents to $\frac{1}{4}$, $\frac{1}{2}$, $3/4$	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			
Addition and Subtraction of Fractions				
Add and subtract fractions with the same denominator	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. $2/5 + 4/5 = 6/5 = 1\ 1/5$)			
Multiplication and Division of Fractions				
	Multiply proper fractions and mixed numbers by			

	whole numbers, supported by materials and diagrams		a denominator of a multiple of 10 or 25	of calculation)
Multiplication and Division of Decimals				
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 whole numbers and those involving decimals by ten, 100 and 1000		Solve problems involving numbers up to three decimal places	Multiply proper fractions and mixed numbers by integers
Problem Solving				
solve problems involving increasingly harder fractions to calculate quantities, and fractions to divide quantities, including non-unit fractions where the answer is whole number	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		solve problems involving increasingly harder fractions to calculate quantities, and fractions to divide quantities, including non-unit fractions where the answer is whole number	Multiply and divide one/two-digit (whole and those involving decimals) numbers by 10 and 100/1000
solve simple measure and money problems involving fractions and decimals to two decimal places.	solve problems involving numbers up to three decimal places			Solve (simple measure and money) problems involving (fractions and) decimals up to (two) (three) decimal places
Ready to Progress Criteria				
4F-1 Reason about the location of mixed numbers in the linear number system 4F-2 Convert mixed numbers to improper fractions and vice versa. 4F-3 Add and subtract improper and mixed fractions with the same denominator, including bridging whole numbers.	5F-1 Find non-unit fractions of quantities. 5F-2 Find equivalent fractions and understand that they have the same value and the same position in the linear number system. 5F-3 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. 5G-1 Compare angles, estimate and measure angles in degrees ($^{\circ}$) and draw angles of a given size.			

Measurement						
YEAR 4 NC Objectives		YEAR 5 NC Objectives		Autumn Content Y4, Y4/5 and Y5	Spring Content Y4, Y4/5 and Y5	Summer Content Y4, Y4/5 and Y5
Comparing and Estimating						
Estimate, compare and calculate different measures, including money in pounds and pence	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)	Convert between different units of measure (length and mass)	Measures 1	Measures 2	Measures 3	
	Estimate volume (e.g. using 1 cm ³ blocks to build cubes and cuboids) and capacity (e.g. using water)	Understand equivalences between metric units and common imperial units		Estimate, compare and calculate different measures (simple money and mass)	Estimate, compare and calculate different measures (money)	
Measuring and Calculating						
Estimate, compare and calculate different measures, including money in pounds and pence	Use all four operations to solve problems involving measure (e.g. length, mass, volume,	Read, write, convert time between analogue and digital 12- and 24- hour		Use all four operations to solve measure problems (mass and length) using decimal notation including scaling	Use all four operations to solve measure problems (volume and money) using decimal notation, including scaling	
				Measure and calculate		

<p>Measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres</p> <p>Find the area of rectilinear shapes by counting squares</p>	<p>money) using decimal notation including scaling</p> <p>Measure and calculate the perimeter of composite rectilinear shapes in centimetres and metres</p> <p>Calculate and compare the area of squares and rectangles including using standard units, square centimetres (cm²) and square metres (m²) and estimate the area of irregular shapes</p> <p>Recognise and use square numbers and cube numbers, and the notation for squared (²) and cubed (³)</p>	<p>Read, write, convert time between analogue and digital 12- and 24- hour</p> <p>Solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days</p>	<p>perimeter of (composite) rectilinear shapes cm and m</p> <p>Find area of rectilinear shapes by counting squares (using standard units, cm²/m² and estimating area or irregular shapes)</p> <p>Estimate volume and capacity</p> <p>Recognise square and cube numbers and notations</p>
Telling the Time			
<p>Read, write and convert time between analogue and digital 12 and 24-hour clocks</p> <p>Solve problems involving converting from hours to minutes; minutes to seconds; years to mths; weeks to days</p>	<p>Solve problems involving converting between units of time</p>		
Converting			
<p>Convert between different units of measure (e.g. kilometre to metre; hour to minute)</p> <p>Read, write and convert time between analogue and digital 12 and 24-hour clocks</p> <p>Solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days</p>	<p>Convert between different units of metric measure (e.g. kilometre and metre; centimetre and metre; centimetre and millimetre; gram and kilogram; litre and millilitre)</p> <p>Solve problems involving converting between units of time</p> <p>Understand and use equivalences between metric units and common imperial units such as inches, pounds and pints</p>		

Geometry - Properties of Shape						
YEAR 4 NC Objectives		YEAR 5 NC Objectives		Autumn Content Y4, Y4/5 and Y5	Spring Content Y4, Y4/5 and Y5	Summer Content Y4, Y4/5 and Y5
Identifying Shapes and their Properties				Geometry 1 - properties of shape <i>Compare and classify geometric shapes</i>	Geometry 2 - properties of shape <i>Identify lines of symmetry in 2-D shapes</i>	
Identify lines of symmetry in 2-D shapes presented in different orientations	Identify 3-D shapes, including cubes and other cuboids, from 2-D representations					
Drawing and Constructing						
Complete a simple symmetric figure with respect to a specific line of symmetry	Draw given angles, and measure them in degrees (°)					

Comparing and Classifying		Identify acute and obtuse angles and compare and order angles up to two right angles	Complete simple symmetric figure with respect to specific line of symmetry		
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			Know angles are measured in degrees: estimate and compare acute, obtuse and reflex angles	Identify 3-D shapes from 2-D representations
Angles				Draw given angles and measure them in degrees	Use properties of rectangles to deduce related facts and find missing lengths and angles
Identify acute and obtuse angles and compare and order angles up to two right angles by size	Know angles are measured in degrees: estimate and compare acute, obtuse and reflex angles 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°	Identify: angles at a point and one whole turn; angles at a point on a straight line and $\frac{1}{2}$ a turn; other multiples of 90°	Distinguish between regular and irregular polygons based on reasoning about equal sides and angles		
Ready to Progress Criteria					
4G-1 Draw polygons, specified by coordinates in the first quadrant, and translate within the first quadrant. 4G-2 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 4G-3 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	5G-1 Compare angles, estimate and measure angles in degrees (°) and draw angles of a given size 5G-2 Compare areas and calculate the area of rectangles (including squares) using standard units.				

Geometry - Position and Direction						
YEAR 4 NC Objectives		YEAR 5 NC Objectives		Autumn Content Y4, Y4/5 and Y5	Spring Content Y4, Y4/5 and Y5	Summer Content Y4, Y4/5 and Y5
Geometry - Position, Direction and Movement						
Describe positions on a 2-D grid as coordinates in the first quadrant Describe movements between positions as translations of a given unit to the left/right and up/down	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				Geometry 3 - position and direction Describe positions on 2-D grid as coordinates in 1 st quadrant Describe movements	

<p>Plot specified points and draw sides to complete a given polygon</p>			<p>between positions as translations of given unit to left/right and up/down</p> <p>Plot specified points and draw sides to complete a given polygon</p> <p>Identify, describe and represent position of a shape following reflection or translation</p>	
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Statistics				
YEAR 4 NC Objectives	YEAR 5 NC Objectives	Autumn Content Y4, Y4/5 and Y5	Spring Content Y4, Y4/5 and Y5	Summer Content Y4, Y4/5 and Y5
Interpreting, Constructing and Presenting Data				
Interpret and present discrete and continuous data using appropriate graphical methods, incl. bar charts and time graphs	Complete, read and interpret information in tables, including timetables			<p>Statistics 1</p> <p>Interpret and present discrete and continuous data including in bar charts and time graphs (and timetables)</p>
Solving Problems				
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			<p>Solve comparison, sum and difference problems presented in bar charts, pictograms, tables and other graphs (and line graphs)</p>