



## Number and Place Value

EYFS	Year I	Year 2	Year 3	Year 4	Year 5	Year 6
Verbally count beyond 20, recognising the pattern of the counting system.	count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number		COUN	VTNG count backwards through zero to include negative numbers	interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers,	use negative numbers in context, and calculate intervals across zero
Explore and represent patterns within numbers up to 10, including evens and odds, double	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 O, and in tens from any number, forward or backward	count from 0 in multiples of 4, 8, 50 and 100;	count in multiples of 6, 7, 9, 25 and 1000	including through zero count forwards or backwards in steps of powers of 10 for any given number up to 1000 000	
facts and how quantities can be distributed equally.	given a number, identify one more and one less		find 10 or 100 more or less than a given number	find 1000 more or less than a given number		
			COMPARING	G NUMBERS		
Compare quantities up to 10 in different contexts, recognising	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	compare and order numbers up to 1000	order and compare numbers beyond 1,000	read, write, order and compare numbers to at least 1000000 and	read, write, order and compare numbers up to
when one quantity is greater than, less than or the same as the other quantity.				compare numbers with the same number of decimal places up to two decimal places	determine the value of each digit (appears also in Reading and Writing Numbers)	10 000 000 and determine the value of each digit (appears also in Reading and Writing Numbers)
				(copied from Fractions)		
			IDENTIFYING, REPRESENTING			
Subitise (recognise quantities without counting) up to 5.	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	identify, represent and estimate numbers using different representations	identify, represent and estimate numbers using different representations		
			READING AND 1	WRITING NUMBERS (including Roman N	lumerals)	
	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	read and write numbers up to 1000 in numerals and in words  tell and write the time from an analogue clock, including using Roman numerals from 1 to XII, and	read Roman numerals to 100 (1 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 1000000 and determine the value of each digit (appears also book b 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
			12-hour and 24-hour clocks (copied from Measurement)		read Roman numerals to 1000 (M) and recognise years written in Roman numerals.	Value)
				G PLACE VALUE		
Have a deep understanding of number to IO, including the composition of each number.		recognise the place value of each digit in a two-digit number (tens, ones)	recognise the place value of each digit in a three-digit number (hundreds, tens, ones)	recognise the place value of each digit in a four-digit number (thousands, hundreds, tens, and ones) find the effect of dividing a one- or two-digit number by 10 and 100,	read, write, order and compare numbers to at least 1000000 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 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 (copied from Fractions)	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 Fractions)
			ROUN	<b>IDING</b>		
				round any number to the nearest 10, 100 or 1 000	round any number up to 1000 000 to the nearest 10, 100, 1000, 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)













ı	PROBLEM SOLVING						
Ī		use place value and number facts to	solve number problems and practical	solve number and practical problems	solve number problems and practical	solve number and practical problems	
		solve problems	problems involving these ideas.	that involve all of the above and	problems that involve all of the	that involve all of the above	
				with increasingly large positive	above	-	
				numbers			













### Addition and Subtraction

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EYFS	Year I	Year 2	Year 3	Year 4	Year 5	Year 6
			NUMBER	BONDS		
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	represent and use number bonds and related subtraction facts within 20	recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100				
double facts.						
			MENTAL CAI	CULATION		
	add and subtract one-digit and two- digit numbers to 20, including zero  read, write and interpret mathematical statements involving addition (+), subtraction (-) equals	add and subtract numbers using concrete objects, pictorial representations, and mentally, including: * a two-digit number and ones * a two-digit number and tens * two two-digit numbers	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
	(=) signs (also in Written Methods)	* adding three one-digit numbers  show that addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot				use their knowledge of the order of operations to carry out calculations involving the four operations
			WRITTEN			
	read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs (appears in Mental Calculation)		add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction (CP — Move to Y4)	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, ESTIMAT	ING AND CHECKING ANSWERS		
		recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems.	estimate the answer to a calculation and use inverse operations to check 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	use estimation to check answers to calculations and determine, in the context of a problem, levels of accuracy.
			PROBLEM :	SOLVING		
	solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number	solve problems with addition and subtraction:  * using concrete objects and pictorial representations, including those involving	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
	problems such as 7 = □ - 9	numbers, quantities and measures * applying their increasing knowledge of mental and written methods				Solve problems involving addition, subtraction, multiplication and division
		solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change (copied from Measurement)				













# Multiplication and Division

Year I	Year 2	Year 3	Year 4	Year 5	Year 6
			& DIVISION FACTS		
count in multiples of twos, fives and tens (copied from Number and Place Value)	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)	count from 0 in multiples of 4, 8, 50 and 100 (copied from Number and Place Value)	count in multiples of 6, 7, 9, 25 and 1,000 (copied from Number and Place Value)	count forwards or backwards in steps of powers of 10 for any given number up to 1 000 000 (copied from Number and Place Value)	
	recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers	recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables	recall multiplication and division facts for multiplication tables up to 12 × 12		
		MENTAL CA	LCULATION		
		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 O and I; dividing by I; multiplying together three numbers	multiply and divide numbers mentally drawing upon known facts	perform mental calculations, including with mixed operations and large numbers
	show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot		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	associate a fraction with division and calculate decimal fraction equivalents (e.g. 0.375) for a simple fraction (e.g. <sup>3</sup> / <sub>8</sub> ) (copied from Fractions)
		WRITTEN C	ALCULATION		
	calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (×), division (÷) and equals (=) signs	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 (CP — Move to Y4) (appears also in Mental Methods)	multiply two-digit and three-digit numbers by a one-digit number using formal written layout (CP – Move to Y5)	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
					use written division methods in cases where the answer has up to two decimal places (copied from Fractions (including decimals))
	Р	ROPERTIES OF NUMBERS: MULTIPLES, FAC			
			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.  know and use the vocabulary of prime	identify common factors, common multiples and prime numbers
				numbers, prime factors and composite (non-prime) numbers	use common factors to simplify fractions; use common multiples to express fractions













				establish whether a number up to 100 is prime and recall prime numbers up to 19	in the same denomination (copied from Fractions)
				recognise and use square numbers and cube numbers, and the notation for squared () and cubed ()	calculate, estimate and compare volume of cubes and cuboids using standard units, including centimetre cubed (cm ) and cubic metres (m ), and extending to other units such as mm and km
					(copied from Measures)
		ORDER OF (	OPERATIONS		
					use their knowledge of the order of operations to carry out calculations involving the four operations
		INVERSE OPERATIONS, ESTIMA	ITING AND CHECKING ANSWERS		
		estimate the answer to a calculation and use inverse operations to check answers (copied from Addition and Subtraction)	estimate and use inverse operations to check answers to a calculation (copied from Addition and Subtraction)		use estimation to check answers to calculations and determine, in the context of a problem, levels of accuracy
		PROBLEV	SOLVING		
solve one-step problems involving multiplication <b>and division</b> , by calculating the answer using concrete objects, pictorial	solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and	solve problems, including missing number problems, involving multiplication and division, including positive integer scaling	solve problems involving multiplying and adding, including using the distributive law to multiply two digit numbers by one digit,	solve problems involving multiplication and division including using their knowledge of factors and multiples, squares and cubes	solve problems involving addition, subtraction, multiplication and division
representations and <b>arrays</b> with the support of the teacher (CP - Move to Y2)	multiplication and division facts, including problems in contexts	problems and correspondence problems in which n objects are connected to m objects	integer scaling problems and harder correspondence problems such as n objects are connected to m objects	solve problems involving addition, subtraction, multiplication and division and a combination of these, including understanding the meaning of the equals sign	
				solve problems involving multiplication and division, including scaling by simple fractions and problems involving simple rates	solve problems involving similar shapes where the scale factor is known or can be found (copied from Ratio and Proportion)













# Fractions (including decimals and percentages)

Year l	Year 2	Year 3	Year 4	Year 5	Year 6
		COUNTING IN F	RACTIONAL STEPS		
	Pupils should count in fractions up to 10, starting from any number and using the 1/2 and 2/4 equivalence on the number line (Non Statutory Guidance)	count up and down in tenths	count up and down in hundredths		
	•	RECOGNISIN	NG 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  / / / , and / of a length, shape, set  of objects or quantity	recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators  recognise that tenths arise from dividing an object into IO equal parts and in dividing one — digit numbers or quantities by IO.	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 (appears also in Equivalence)	
recognise, find and name a quarter as one of four equal parts of an object,		recognise and use fractions as numbers: unit fractions and non-unit fractions with			
shape or quantity		small denominators	G FRACTIONS		
		compare and order unit fractions, and fractions with the same denominators (CP – Move to Y+)	armenas	compare and order fractions whose denominators are all multiples of the same number	compare and order fractions, including fractions >1
		COMPARIN	NG DECIMALS		
			compare numbers with the same number of decimal places up to two decimal places (CP — Move to Y4)	read, write, order and compare numbers with up to three decimal places	identify the value of each digit in numbers given to three decimal places
		ROUNDING INC	LUDING DECIMALS		
			round decimals with one decimal place to the nearest whole number (CP – Move to Y5)	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
			IONS, DECIMALS AND PERCENTAGES)		
	write simple fractions e.g. ½ of 6 = 3 and recognise the equivalence of 2/4 and ½.	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 = 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. 3/8)
			recognise and write decimal equivalents to 1/2 1/4 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 SUBTI	RACTION OF FRACTIONS		
		add and subtract fractions with the same denominator within one whole (e.g. 5/7 + I/7 = 6/7	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	add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions













			statements > 1 as a mixed number (e.g. 2/5 + 4/5 = 6/5 = 11/5	
	MULTIPLICATION AND	DIVISION OF FRACTIONS		
	MOLTIPLICATION AND	DIVISION OF FRACTIONS	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.1/4 × 1/2 = 1/8 multiply one-digit numbers with up to two decimal places by whole numbers divide proper fractions by whole numbers
				(e.q. $1/3 \div 2 = 1/6$ )
	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 (CP — Move to Y5)		multiply one-digit numbers with up to two decimal places by whole numbers 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. <sup>3</sup> / <sub>8</sub> ) use written division methods in cases where
				the answer has up to two decimal places
		M 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. (CP – Move to Y5)	solve problems which require knowing percentage and decimal equivalents of $\frac{1}{2}$ , $\frac{1}{2}$ , $\frac{1}{5}$ , $\frac{2}{5}$ , and those with a denominator of a multiple of 10 or 25.	













# Ration and Proportion

Year I	Year 2	Year 3	Year 4	Year 5	Year 6		
	Statements only appear in Year 6 but should be connected to previous learning, particularly fractions and multiplication and division						
					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.		













#### Measurement

Year I	Year 2	Year 3	Year 4	Year 5	Year 6
		COMPARING AND ESTIM			
compare, describe and solve practical problems for:  * 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 =		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 ) and square metres (m) and estimate the area of irregular shapes (also included in measuring)  estimate volume (e.g. using I cm blocks to build cubes and cuboids) and capacity (e.g. using water)	calculate, estimate and compare volume of cubes and cuboids using standard units, including centimetre 3 cubed (cm ) and cubic metres (m ), and extending to other units such as mm and km .
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	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 CALCUI			
measure and begin to record the following:  * 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 (°C); capacity (litres/ml) to the nearest appropriate unit, using rulers, scales, thermometers and measuring vessels	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 (CP – Move to Y1+)	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













# Geometry — Properties of Shapes

Year I	Year 2	Year 3	Year 4	Year 5	Year 6
		IDENTIFYING SHAPES /	AND THIER PROPERTIES		
recognise and name common 2-D and 3-D shapes, including:  * 2-D shapes [e.g. rectangles (including squares), circles and triangles]  * 3-D shapes [e.g. cuboids (including cubes), pyramids and spheres].	identify and describe the properties of 2-D shapes, including the number of sides and line symmetry in a vertical line identify and describe the properties of 3-D shapes, including the number of edges, vertices and faces identify 2-D shapes on the surface of 3-D shapes, [for example, a circle on a cylinder and a triangle on a pyramid]		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	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
		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 ()	draw 2-D shapes using given dimensions and angles  recognise, describe and build simple 3-D shapes, including making nets (appears also in Identifying Shapes and Their Properties)
		COMPARING AN	ID CLASSIFYING	<u> </u>	
	compare and sort common 2-D and 3-D shapes and everyday objects		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
		ANC	ALES		
		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	
		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  identify horizontal and vertical lines and pairs of perpendicular and parallel lines	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 □ 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













# ${\sf Geometry-Properties}\ of\ {\sf Direction}$

Year I	Year 2	Year 3	Year 4	Year 5	Year 6
		POSITION, DIRECTIO	N AND MOVEMENT		
describe position, direction and	use mathematical vocabulary to		describe positions on a	identify, describe and represent the	describe positions on the full
movement, including half, quarter	describe position, direction and		2-D grid as coordinates in the first	position of a shape following a	coordinate grid (all four quadrants)
and three-quarter turns.	movement including movement in a		quadrant	reflection or translation, using the	
	straight line and distinguishing			appropriate language, and know that	
	between rotation as a turn and in			the shape has not changed	
	terms of right angles for quarter,		describe movements between positions		draw and translate simple shapes on
	half and three-quarter turns		as translations of a given unit to the		the coordinate plane, and reflect
	(clockwise and		left/right and up/down		them in the axes.
	anti-clockwise)				
			plot specified points and draw sides to		
		DAT	complete a given polygon		
		PAI	TERIN		
	order and arrange combinations of				
	mathematical objects in patterns and				
	sequences				













### Statistics

Year 1	Year 2	Year 3	Year 4	Year 5	Year 6				
	INTERPRETING, CONSTRUCTING AND PRESENTING DATA								
	interpret and construct simple	interpret and present data using bar	interpret and present discrete and	complete, read and interpret	interpret and construct pie charts and				
	pictograms, tally charts, block	charts, pictograms and tables	continuous data using appropriate	information in tables, including	line graphs and use these to solve				
	diagrams and simple tables		graphical methods, including bar	timetables	problems				
			charts and time graphs						
	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								
		SOLVING	PROBLEMS						
		solve one-step and two-step questions	solve comparison, sum and difference	solve comparison, sum and difference	calculate and interpret the mean as				
		[e.g. 'How many more?' and 'How	problems using information presented	problems using information presented	an average				
		many fewer?'] using information	in bar charts, pictograms, tables and	in a line graph					
		presented in scaled bar charts and	other graphs.						
		pictograms and tables.							













# Algebra

Year I	Year 2	Year 3	Year 4	Year 5	Year 6
EQUATIONS					
solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as  7 = □ - 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)	solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction. (copied from Addition and Subtraction)  solve problems, including missing number problems, involving multiplication and division, including integer scaling (copied from Multiplication and Division)		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
represent and use number bonds and related subtraction facts within 20 (copied from Addition and Subtraction)					enumerate all possibilities of combinations of two variables







