

	EYES	Vear 1	Vear 2	Vear 3
	3 & 4 year olds			
	Reception			
	ELG			
N	umber and Place Value			
	Can I develop fast recognition of up	1N1a	2N1	Can I count from 0 in multiples of
	to 3 objects, without having to	Can I count to and across		4, 8, 50 and 100?
	count them individually	100, forwards and	Can I count in multiples of 2, 3, and	
	('subitising')?	backwards, beginning with 0	5 from 0, and in 10 from any	Can I find 10 or 100 more or less
	Can I recite numbers past 5?	or 1, or from any given	number, forward and backward?	than a given number?
	Can I say one number for each item	number?		
	in order: 1,2,3,4,5?	1N2b		
	Can I understand that the last	Can I count in multiples of 2,		
	number reached when counting a	5 and 10?		
	small set of objects tells me how			
	many there are in total ('cardinal			
	principle')?			
	Can I show 'finger numbers' up to			
	5?			
	Can I link numerals and amounts:			
	for example, showing the right			
	number of objects to match the			
	numeral, up to 5?			
	Can I count objects, actions and			
	sounds?			
	Can I subitise?			
	Can I link the number symbol			
	(numeral) with its cardinal number			
	value?			
	Can I understand numbers to 10,			
	including the composition of each			
	number?			



Can I subitise (recognise quan without counting) up to 5? Can I automatically recall (wit reference to rhymes, counting other aids) number bonds up (including subtraction facts) a some number bonds to 10, including double facts? Can I verbally count beyond 2 recognising the pattern of the counting system?	tities hout g or to 5 nd 0, e 1N22	2N25	Can I road and write numbers up
symbols and marks as well as	Can Lount read and write	21120	to 1000 in numerals and in
numerals?	numbers to 100 in numerals? 1N2c Can I read and write numbers from 1 to 20 in numerals and words?	Can I read and write numbers to at least 100 in numerals and in words?	words?
Can I compare quantities usin language: 'more than', 'fewer than'? Can I compare numbers? Can I understand the 'one mo than/one less than' relationsh between consecutive number Can I compare quantities up t in different contexts, recognis when one quantity is greater less than or the same as the o quantity?	g 1N2b Can I, given a number, identify 1 more and 1 less? ore hip rs? o 10 sing than, other	2N2b Can I compare and order numbers from 0 up to 100; use <, > and = signs?	Can I compare and order numbers up to 1000?



	Can I explore the composition of numbers to 10? Can I count beyond ten? Can I explore and represent patterns within numbers up to 10, including evens and odds, double facts and how quantities can be distributed equally?		2N3 Can I recognise the place value of each digit in a two-digit number (tens, ones)?	Can I recognise the place value of each digit in a three-digit number (hundreds, tens, ones)?
			2N4 Can I identify, represent and estimate numbers using different representations, including the number line?	
			2N6 Can I use place value and number facts to solve problems?	Can I solve number problems and practical problems involving these ideas?
С	alculations		I	I
	Can I automatically recall number bonds for numbers 0–5 and some to 10?	1C1 Can I represent and use number bonds and related subtraction facts within 20?	2C1 Can I recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100?	



	1C2a Can I add and subtract one- digit and two-digit numbers to 20, including 0?	 2C2a Can I add and subtract numbers using concrete objects, pictorial representations, and mentally, including: a two-digit number and 1s a two-digit number and 10s 2 two-digit numbers adding 3 one-digit numbers? 	Can I add and subtract numbers mentally, including: * a three-digit number and ones * a three-digit number and tens * a three-digit number and hundreds?
		2C3 Can I recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems?	Can I estimate the answer to a calculation and use inverse operations to check answers?
Can I solve real world mathematical problems with numbers up to 5?	1C4 Can I solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as 7 = ? – 9?	2C4Can I solve problems with addition and subtraction?Can I use concrete objects and pictorial representations, including those involving numbers, quantities and measures?	Can I solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction? Can I add and subtract numbers with up to three digits, using formal written methods of
		Can I apply an increasing knowledge of mental and written methods?	column addition and subtraction?
		2C9a Can I show that addition of 2 numbers can be done in any order (commutative) and subtraction of 1 number from another cannot?	



Iultiplication and Division					
		2C6 Can I recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers?	Can I recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables?		
		2C7 Can I calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (×), division (÷) and equals (=) signs?	Can I 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?		
	1C8 Can I solve one-step problems involving multiplication and division, by calculating the answer using concrete objects, pictorial representations and arrays?	2C8 Can I solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts?	Can I 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?		
		2C9b Can I show that multiplication of 2 numbers can be done in any order (commutative) and division of 1 number by another cannot?			



Fractions			
	1F1a Can I recognise, find and name a half as 1 of 2 equal parts of an object, shape or quantity?	2F1a Can I recognise, find, name and write fractions 1/3, 1/4, 2/4 and 3/4 of a length, shape, set of objects or quantity?	Can I recognise, find and write fractions of a discrete set of objects: unit fractions and non- unit fractions with small denominators? Can I recognise that tenths arise from dividing an object into 10 equal parts and in dividing one – digit numbers or quantities by 10?
	1F1b Can I recognise, find and name a quarter as 1 of 4 equal parts of an object, shape or quantity?	2F1b Can I write simple fractions, for example 1/2 of 6 = 3?	
		2F2 Can I recognise the equivalence of 2/4 and ½?	Can I compare and order unit fractions, and fractions with the same denominators?
			Can I add and subtract fractions with the same denominator within one whole (e.g. $\frac{5}{7} + \frac{1}{7} = \frac{6}{7}$)? Can I solve problems using all the above?



N	leasures			
	Can I make comparisons between	1M1	2M1	
	objects relating to size, length,	Can I compare, describe and	Can I compare and order lengths,	
	weight and capacity?	solve practical problems for:	mass, volume/capacity and record	
		 lengths and heights [for 	the results using >, < and =?	
	Can I compare length, weight and	example, long/short,		
	capacity?	longer/shorter, tall/short,		
		double/half]		
		• mass/weight [for example,		
		heavy/light, heavier than,		
		lighter than]		
		• capacity and volume [for		
		example, full/empty,		
		more than, less than,		
		half, half full, quarter]		
		• time [for example, quicker,		
		slower, earlier, later]		
		using std and non-std units?		
		1M2	2M2	Can I measure, compare, add and
		Can I measure and begin to	Can I choose and use appropriate	subtract: lengths (m/cm/mm);
		record the following:	standard units to estimate and	mass (kg/g); volume/capacity
		 lengths and heights 	measure length/height in any	(l/ml)?
		 mass/weight 	direction (m/cm); mass (kg/g);	
		 capacity and volume 	temperature (°C); capacity	Can I measure the perimeter of
		• time (hours, minutes,	(litres/ml) to the nearest	simple 2-D shapes?
		seconds)?	appropriate unit, using rulers,	
			scales, thermometers and	
			measuring vessels?	
		1M3	2M3a	Can I add and subtract amounts
		Can I recognise and know the	Can I recognise and use symbols	of money to give change, using
		value of different	for pounds (£) and pence (p);	both £ and p in practical
		denominations of coins and	combine amounts to make a	contexts?
		notes?	particular value?	



		2M3b	
		Can I find different combinations of	
		coins that equal the same amounts	
		of money?	
	1M4a	2M4a	Can I tell and write the time from
	Can I tell the time to the hour	Can I tell and write the time to five	an analogue clock, including using
	and half past the hour and	minutes, including quarter past/to	Roman numerals from I to XII,
	draw the hands on a clock	the hour and draw the hands on a	and 12-hour and 24-hour clocks?
	face to show these times?	clock face to show these times?	
ſ		2M4b	Can I compare durations of
		Can I compare and sequence	events, for example to calculate
		intervals of time?	the time taken by particular
			events or tasks?
ſ		2M4C	Can I estimate and read time with
		Can I know the number of minutes	increasing accuracy to the
		in an hour and the number of	nearest minute; record and
		hours in a day?	compare time in terms of
			seconds, minutes, hours and
			o'clock; use vocabulary such as
			a.m./p.m., morning, afternoon,
			noon and midnight?
			Can I know the number of
			seconds in a minute and the
			number of days in each month,
			year and leap year?



Ρ	roperties of Shape			
	Can I talk about and explore 2D and 3D shapes (for example, circles, rectangles, triangles and cuboids) using informal and mathematical language: 'sides', 'corners'; 'straight', 'flat', 'round'? Can I select, rotate and manipulate shapes to develop spatial reasoning skills?			Draw 2-D shapes and make 3-D shapes using modelling materials; recognise 3-D shapes in different orientations and describe them
	Can I select shapes appropriately: flat surfaces for building, a triangular prism for a roof, etc? Can I combine shapes to make new ones – an arch, a bigger triangle, etc? Can I compose and decompose shapes so that I recognise that a shape can have other shapes within it, just as numbers can?	 1G1a Can I recognise and name common 2-D shapes: e.g. rectangles (including squares), circles and triangles? 1G1b Can I recognise and name common 3-D shapes e.g. cuboids (including cubes), pyramids and spheres? 	2G1a 2G1b Can I compare and sort common 2- D and 3-D shapes and everyday objects?	Can I recognise angles as a property of shape or a description of a turn? Can I identify right angles? Can I recognise that two right angles make a half-turn, three make three quarters of a turn and four a complete turn? Can I identify whether angles are greater than or less than a right angle? Can I identify horizontal and vertical lines and pairs of perpendicular and parallel lines?
			2G2a Can I identify and describe the properties of 2-D shapes, including the number of sides, and line symmetry in a vertical line? 2G2b	



			Can I identify and describe the properties of 3-D shapes, including the number of edges, vertices and faces? 2G3 Can I 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	osition and Direction			
	Can I understand position through words alone – for example, "The bag is under the table," – with no pointing? Can I describe a familiar route? Can I discuss routes and locations, using words like 'in front of' and 'behind'?		2P1 Can I order and arrange combinations of mathematical objects in patterns and sequences?	
	Can I talk about and identify the patterns around me? For example: stripes on clothes, designs on rugs and wallpaper. Can I use informal language like 'pointy', 'spotty', 'blobs', etc? Can I extend and create ABAB patterns – stick, leaf, stick, leaf? Can I notice and correct an error in a repeating pattern? Can I begin to describe a sequence of events, real or fictional, using words such as 'first', 'then'? Can I continue, copy and create repeating patterns?	1P2 Can I describe position, direction and movement, including whole, half, quarter and three-quarter turns?	2P2 Can I 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)?	



Statistics	· · · · · ·		
	251		Can I interpret and present data
	Can I inte	erpret and construct	using bar charts, pictograms and
	simple p	ictograms, tally charts,	tables?
	block dia	grams and tables?	
	2S2a		
	Can I ask	and answer simple	
	question	s by counting the number	
	of object	s in each category and	
	sorting t	he categories by quantity?	
	2S2b		Can I solve one-step and two-step
	Can I ask	and answer questions	questions [e.g. 'How many
	about to	talling and comparing	more?' and 'How many fewer?']
	categorie	cal data?	using information presented in
			scaled bar charts and pictograms
			and tables?