

			Number and	Place Value			
3-4	Reception	Y1	Y2	Y3	Y4	Y5	Y6
Fast recognition of up to 3 objects with out having to count them individually. Recite numbers past 5. Say one number for each item in order: 1,2,3,45. Know that the last number reached when counting a small set of objects tells you how many there are in total (cardinal principle). Show finger numbers up to 5. Link numerals and amounts: for example showing the right number of objects to match the numeral, up to 5. Experiment with their own symbols and marks as well as numerals. Solve real world mathematical problems with numbers up to 5. Compare quantities using language: 'more than', 'fewer than'.	numbers. Understand the 'one more than/one less than' relationship between consecutive numbers. Explore the composition of numbers to 10. Automatically recall number bonds for numbers to 10.	count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number count, read and write numbers to 100 in numerals; count in multiples of twos, fives and tens 1qw given a number, identify one more and one less 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, least read and write numbers from 1 to 20 in numerals and words	count in steps of 2, 3, and 5 from 0, and in tens from any number, forward and backward recognise the place value of each digit in a two-digit number (tens, ones) identify, represent and estimate numbers using different representations, including the number line compare and order numbers from 0 up to 100; use and = signs read and write numbers to at least 100 in numerals and in words use place value and number facts to solve problems.	count from 0 in multiples of 4, 8, 50 and 100; find 10 or 100 more or less than a given number     recognise the place value of each digit in a three-digit number (hundreds, tens, ones)     compare and order numbers up to 1000     identify, represent and estimate numbers using different representations     read and write numbers up to 1000 in numerals and in words     solve number problems and practical problems involving these ideas.	count in multiples of 6, 7, 9, 25 and 1000 find 1000 more or less than a given number count backwards through zero to include negative numbers recognise the place value of each digit in a four-digit number (thousands, hundreds, tens, and ones) order and compare numbers beyond 1000 identify, represent and estimate numbers using different representations round any number to the nearest 10, 100 or 1000 solve number and practical problems that involve all of the above and with increasingly large positive numbers 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 count forwards or backwards in steps of powers of 10 for any given number up to 1 000 000 interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers, including through zero round any number up to 1 000 000 to the nearest 10, 100, 1000 00 and 100 000 solve number problems and practical problems that involve all of the above read Roman numerals to 1000 (M) and recognise years written in Roman numerals.	read, write, order and compare numbers up to 10 000 000 and determine the value of each digit round any whole number to a required degree of accuracy use negative numbers in context, and calculate intervals across zero solve number and practical problems that involve all of the above



Numerical Patterns			
Numerical Patterns			
Talk about and			
identify the			
patterns around			
them. For			
example: stripes			
on clothes,			
designs on rugs and wallpaper.			
Extend and			
create ABAB			
patterns.			
Notice and			
correct an error in a repeating			
pattern.			
ELG			
Explore and			
represent			
patterns within			
numbers up to			
10, including			
odds and			
evens, double			
facts and how			
quantities can			
be distributed			
equally.			



			Number - Additio	n and subtraction			
3-4	Reception	Y1	Y2	Y3	Y4	Y5	Y6
Compare quantities using language: 'more than', 'fewer than'.  Than'.	Number  Understand the 'one more than/one less than' relationship between consecutive numbers.  Automatically recall number bonds for numbers to 10.  ELG  Automatically recall number bonds up to 5 and some number bonds to 10 including double facts.	<ul> <li>read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs</li> <li>represent and use number bonds and related subtraction facts within 20 add and subtract one-digit and two-digit numbers to 20, including zero</li> <li>solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as 7 = ? - 9.</li> </ul>	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     recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100     add and subtract numbers using concrete objects, pictorial representations, and mentally, including:     a two-digit number and ones     a two-digit numbers     two two-digit numbers     with the two two numbers     show that addition of two numbers can be done in any order (commutative) and subtraction of one number	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 with up to three digits, using formal written methods of columnar addition and subtraction estimate the answer to a calculation and use inverse operations to check answers solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction	add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate     estimate and use inverse operations to check answers to a calculation     solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why.	add and subtract whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction)     add and subtract numbers mentally with increasingly large numbers     use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy     solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why	ALL FOUR FUNCTIONS   multiply multidigit 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 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  divide numbers up to 4 digits by a two-digit number using the formal written method of short division where appropriate, interpreting remainders according to the context  perform mental calculations, including with mixed operations and large numbers  identify common factors, common multiples and prime numbers  use their knowledge of



canno recog use th relatic betwe additi subtro use th	unise and le inverse conship een on and action and list to check lations and missing er			the order of operations to carry out calculations involving the four operations  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  use estimation to check answers to calculations and determine, in the context of a problem, an appropriate degree of accuracy.
± :	4 3 5 7 8 5 4 2 9 1 4 5 6 1 6 7 8 5 7 8 5 7 8 5 8 6 7 8 5 8 7 8 5 8 7 8 5 8 7 8 5 8 7 8 5 8 7 8 6 7 8 7 8 5 8 7 8 7 8 5 8 7 8 7 8 7 8 5 8 7 8 7	7 8 5 6 + 4 2 9 7 1 2, 1 5 3 Up to 4d + 4d (crossing 10)	6 8, 9 6 2 + 1, 4, 8, 7 5 8 3, 8 3 7 5d + 5d (crossing 10)	6 . 8 2 +3 . 5 7 1 0 . 3 9 Add decimals with 1 or more dp (crossing 10)
6 8 -1 4 4 -5 0 -5 4 24 - 24 (not exch	-267 5 40 200 45	6 <sup>3</sup> 4 <sup>10</sup> 1 <sup>1</sup> 2 - 2 2 8 7 4 1 2 5 4d - 4d (exchanging)	8 84, 12 101 14 -1 6, 7 3 5 7 2, 4 7 9 5d - 5d (exchanging)	56 . 101 12 15 - 3 . 4 7 8 2 . 6 4 7 Subtract decimals with 1 or more dp



			Number - Multiplic	cation and division			
3-4	Reception	Y1	Y2	Y3	Y4	Y5	Y6
	Numerical Patterns ELG  Explore and represent patterns within numbers up to 10, including odds and evens, double facts and how quantities can be distributed equally.	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	recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers     calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (*), division (÷) and equals (=) signs     show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot     solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts	recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables  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  solve problems, including multiplication and division, including positive integer scaling problems and correspondence problems in which n objects are connected to m objects	recall multiplication and division facts for multiplication tables up to 12 × 12     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     recognise and use factor pairs and commutativity in mental calculations     multiply two-digit and three-digit numbers by a one-digit number using formal written layout     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.	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 numbers, prime factors and composite (nonprime) numbers     establish whether a number up to 100 is prime and recall prime numbers up to 19     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 numbers mentally drawing upon known facts     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 multiply and divide whole numbers and	recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers     calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (*), division (÷) and equals (=) signs     show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot     solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts.



			those involving
			decimals by 10,
			100 and 1000  recognise and
			use square
			numbers and
			cube numbers,
			and the notation
			for squared (2)
			and cubed (s)  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 and
			a combination of
			these, including
			understanding
			the meaning of
			the equals sign
			<ul> <li>solve problems involving</li> </ul>
			multiplication
			and division,
			including scaling
			by simple
			fractions and
			problems involving simple
			rates.



		35 <u>x 4</u> 20 (4x5) <u>120</u> (4x30) <u>140</u> (x2, 3, 4, 5 and 8)	256 x 7 42 (7x6) 350 (7x50) 1400 (7x200) 1792 2/3d x ld	321 x 27 2247 6420 8667 3/4d x 2d	12 15 7 3 x 3 2 7 7, 1 9 0 5 1 4 6 8 2,3 3 6 Up to 44 x 2d (long)
		21 484 x2, 3, 4, 5 and 8	62 6 3 <sup>3</sup> 7 <sup>1</sup> 2 3d + ld (no remainders)	661r5 6 393715 Up to 4d + Id (interpret remainders)	432 ÷ 15 becomes  2 8 · 8  1 5 4 3 2 · 0  3 0 \( \psi \) 1 3 2  1 2 0
					1 2 0 1 2 0 0 Answer: 28-8



	Number - Fractions									
3-4 Reception	Y1	Y2	Y3	Y4	Y5	Y6				
Numerical Patterns ELG  • Explore and represent patterns within numbers up to 10, including odds and evens double facts an how quantities can be distributed equally.	recognise, find and name a half as one of two equal parts of an object, shape or quantity recognise, find and name a quarter as one of four equal parts of an object,	<ul> <li>recognise, find, name and write fractions 1/3, ¼, 2/4, 3/4 of a length, shape, set of objects or quantity</li> <li>write simple fractions for example, ½ of 6 = 3 and recognise the equivalence of 2/4 and ½</li> </ul>	count up and down in tenths; recognise that tenths arise from dividing an object into 10 equal parts and in dividing one-digit numbers or quantities by 10     recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators     recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators     recognise and use fractions and non-unit fractions with small denominators     recognise and show, using diagrams, equivalent fractions with small denominators     recognise and show, using diagrams, equivalent fractions with small denominators     add and subtract fractions with the same denominator within one whole (for example, 5/7 + 1/7 = 6/7)     compare and order unit fractions, and fractions with the same denominators     solve problems that involve all of the above		<ul> <li>compare and order fractions whose denominators are all multiples of the same number</li> <li>identify, name and write equivalent fractions of a given fraction, represented visually, including tenths and hundredths</li> <li>recognise mixed numbers and improper fractions and convert from one form to the other and write mathematical statements &gt; 1 as a mixed number (for example, 2/5 + 4/5 = 6/5 = 1 1/5</li> <li>add and subtract fractions with the same denominator and denominators that are multiples of the same number</li> <li>multiply proper fractions and mixed numbers, supported by materials and diagrams</li> </ul>	<ul> <li>use common factors to simplify fractions; use common multiples to express fractions in the same denomination</li> <li>compare and order fractions, including fractions &gt; 1</li> <li>add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions</li> <li>multiply simple pairs of proper fractions, writing the answer in its simplest form (for example, ¼ X ½ = 1/8)</li> <li>divide proper fractions by whole numbers (for example, (1/3 ÷ 2 = 1/6)</li> <li>associate a fraction with division and calculate decimal fraction equivalents (for example, 0.375) for a simple fraction (for example, 3/8)</li> </ul>				



	Decimals Decimal Deci										
3-4	Reception	Y1	Y2	Y3	Y4	Y5	Y6				
3-4	Reception				<ul> <li>recognise and show, using diagrams, families of common equivalent fractions</li> <li>count up and down in hundredths; recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten.</li> <li>solve problems involving increasingly harder fractions to calculate quantities, and fractions to divide quantities, including nonunit fractions where the answer is a whole number</li> <li>add and subtract fractions with the same denominator</li> <li>recognise and write decimal equivalents of any number of tenths or hundredths</li> <li>recognise and write decimal equivalents to ¼, ½ 3/4</li> <li>find the effect of dividing a one- or two-digit number by 10 and 100, identifying the</li> </ul>	read and write     decimal numbers     as fractions (for     example, 0.71 =     71/100)     recognise and     use thousandths     and relate them     to tenths,     hundredths and     decimal     equivalents	identify the value of each digit in numbers given to three decimal places and multiply and divide numbers by 10, 100 and 1000 giving answers up to three decimal places     multiply one-digit numbers with up to two decimal places by whole numbers     use written division methods in cases where the answer has up to two decimal places     solve problems which require answers to be rounded to specified degrees of accuracy				



		Perc		value of the digits in the answer as ones, tenths and hundredths  • round decimals with one decimal place to the nearest whole number  • compare numbers with the same number of decimal places up to two decimal places  • solve simple measure and money problems involving fractions and decimal places.		
3-4 Re	ception Y1	Y2	Y3	Y4	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, and as a decimal solve problems which require knowing percentage and decimal equivalents of ½, ¼, 1/5, 2/5, 4/5 and those fractions with a denominator of a multiple of 10 or 25.	recall and use equivalences between simple fractions, decimals and percentages, including in different contexts.



	Ratio and proportion									
3-4	Reception	Y1	Y2	Y3	Y4	Y5	Y6			
							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.			



			Alg	ebra			
3-4	Reception	Y1	Y2	Y3	Y4	Y5	Y6
							use simple formulae generate and describe linear number sequences express missing number problems algebraically find pairs of numbers that satisfy an equation with two unknowns enumerate possibilities of combinations of two variables.
				rement			
3-4	Reception	Y1	Y2	Y3	Y4	Y5	Y6
Make comparisons between objects relating size length, weight and capacity.	Numerical Patterns  Compare length, weight and capacity,	compare, describe and solve practical problems for lengths and heights (for example, long/short, 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)	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 compare and order lengths, mass, volume/capacity and record the results using >, < and =	measure,     compare, add     and subtract     lengths     (m/cm/mm);     mass (kg/g);     volume/capacity     (l/ml)     measure the     perimeter of     simple 2-D     shapes     add and     subtract amounts     of money to give     change, using     both £ and p in     practical     contexts     tell and write the     time from an     analogue clock,     including using     Roman numerals     from I to XII, and     12-hour and 24-hour clocks	Convert between different units of measure (for example, kilometre to metre; hour to minute)     measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres     find the area of rectilinear shapes by counting squares     estimate, compare and calculate different measures, including money	Convert between different units of metric measure (for example, kilometre and metre; centimetre and millimetre; gram and kilogram; litre and millilitre)     understand and use approximate equivalences between metric units and common imperial units such as inches, pounds and pints     measure and calculate the perimeter of composite rectilinear shapes	solve problems involving the calculation and conversion of units of measure, using decimal notation up to three decimal places where appropriate     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



<ul> <li>measure and begin to record</li> </ul>	<ul> <li>recognise and use symbols for</li> </ul>	estimate and read time with	in pounds and pence	in centimetres and metres	convert between miles and
the following:	pounds (£) and	increasing	read, write and	calculate and	kilometres
lengths and	pence (p);	accuracy to the	convert time	compare the	recognise that
heights	combine	nearest minute;	between	area of	shapes with the
mass/weigh	amounts to	record and	analogue and	rectangles	same areas can
+ mass/weigh	make a	compare time in	digital 12- and	(including	have different
capacity	particular value	terms of seconds.	24-hour clocks	squares), and	perimeters and
and volume	find different	minutes and	solve problems	including using	vice versa
<ul> <li>time (hours,</li> </ul>	combinations of	hours; use	involving	standard units,	recognise when
minutes,	coins that equal	vocabulary such	converting from	square	it is possible to
seconds)	the same	as o'clock,	hours to minutes;	centimetres	use formulae for
<ul> <li>recognise</li> </ul>	amounts of	a.m./p.m.,	minutes to	(cm²) and square	area and volume
and know	money	morning,	seconds; years to	metres (m²) and	of shapes
the value of	solve simple	afternoon, noon	months; weeks to	estimate the	calculate the
different	problems in a	and midnight	days.	area of irregular	area of
denominati	practical context	know the	10,00	shapes	parallelograms
ons of coins	involving	number of		estimate volume	and triangles
and notes	addition and	seconds in a		(for example,	calculate,
<ul> <li>sequence</li> </ul>	subtraction of	minute and the		using 1 cm³	estimate and
events in	money of the	number of days		blocks to build	compare volume
chronologic	same unit,	in each month,		cuboids	of cubes and
al order	including giving	year and leap		(including	cuboids using
using	change	year		cubes)) and	standard units,
language	compare and	<ul> <li>compare</li> </ul>		capacity (for	including cubic
(for	sequence	durations of		example, using	centimetres
example,	intervals of time	events (for		water)	(cm³) and cubic
before and	<ul> <li>tell and write the</li> </ul>	example to		<ul> <li>solve problems</li> </ul>	metres (m³), and
after, next,	time to five	calculate the		involving	extending to
first, today,	minutes,	time taken by		converting	other units (for
yesterday,	including quarter	particular events		between units of	example, mm³
tomorrow,	past/to the hour	or tasks).		time	and km³ ).
morning,	and draw the			use all four	
afternoon	hands on a clock			operations to	
and	face to show			solve problems	
evening)	these times  know the			involving measure (for	
<ul> <li>recognise and use</li> </ul>	number of				
language	minutes in an			example, length, mass, volume,	
relating to	hour and the			money) using	
dates,	number of hours			decimal	
including	in a day.			notation.	
days of the				including scaling	
week,					
weeks,					
months and					
years					
<ul> <li>tell the time</li> </ul>					
to the hour					
and half					
past the					
hour and					



							1
		draw the					
		hands on a					
		clock face to show					
		these times					
		incac iiines	Geometry - pres	perties of shapes			
2.4	Geometry – properties of shapes						
3-4	Reception	Y1	Y2	Y3	Y4	Y5	Y6
Talk about and explore 2D and 3D shapes using informal and mathematical language: sides, comers, straight, flat, round etc. Select shapes appropriately: flat surfaces for building, triangular prism for a roof etc. Combine shapes to make new ones—an arch, a bigger triangle etc. Talk about and identify the patterns around them. For example: stripes on clothes, designs on rugs and wallpaper.	Numerical Patterns  Select, rotate and manipulate shapes in order to develop spatial reasoning skills. Compose and decompose shapes so that children recognise a shape can have other shapes within it, just as numbers can.	recognise and name common 2-D and 3-D shapes, including: 2-D shapes (for example, rectangles (including squares), circles and triangles) 3-D shapes (for example, cuboids (including cubes), pyramids and spheres).	<ul> <li>identify and describe the properties of 2-D shapes, including the number of sides and line symmetry in a vertical line</li> <li>identify and describe the properties of 3-D shapes, including the number of edges, vertices and faces</li> <li>identify 2-D shapes on the surface of 3-D shapes (for example, a circle on a cylinder and a triangle on a pyramid)</li> <li>compare and sort common 2-D and 3-D shapes and everyday objects.</li> </ul>	draw 2-D shapes and make 3-D shapes using modelling materials; recognise 3-D shapes in different orientations and describe them     recognise angles as a property of shape or a description of a turn     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.	compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes     identify acute and obtuse angles and compare and order angles up to two right angles by size identify lines of symmetry in 2-D shapes presented in different orientations     complete a simple symmetric figure with respect to a specific line of symmetry.	identify 3-D shapes, including cubes and other cuboids, from 2-D representations     know angles are measured in degrees: estimate and compare acute, obtuse and reflex angles     draw given angles, and measure them in degrees (°) identify:     angles at a point and one whole turn (total 360°)     angles at a point on a straight line and ½ a turn (total 180°)     other multiples of 90°     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.	draw 2-D shapes using given dimensions and angles     recognise, describe and build simple 3-D shapes, including making nets     compare and classify geometric shapes based on their properties and sizes and find unknown angles in any triangles, quadrilaterals, and regular polygons     illustrate and name parts of circles, including radius, diameter and circumference and know that the diameter is twice the radius     recognise angles where they meet at a point, are on a straight line, or are vertically opposite, and find missing angles.



	Geometry – position and direction							
	3-4	Reception	Y1	Y2	Y3	Y4	Y5	Y6
•	Understand position through words alone—for example, "The bag is under the table" with no pointing. Describe a familiar route. Discuss routes and locations, using words like 'in front of' and 'behind'.	Numerical Patterns  Begin to describe a sequence of events, real or fictional using words like 'first', 'then'  ELG	describe position, direction and movement, including whole, half, quarter and three-quarter turns.	order and arrange combinations of mathematical objects in patterns and sequences     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 anticlockwise)		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 plot specified points and draw sides to complete a given polygon.	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)     draw and     translate simple     shapes on the     coordinate plane     and reflect them     in the axes.
					stics			
	3-4	Reception	Y1	Y2	Y3	Y4	Y5	Y6
				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	interpret and present data using bar charts, pictograms, and tables     solve one-step and two-step questions (for example, 'How many more?' and 'How many fewer?') using information presented in scaled bar charts and pictograms and tables.	<ul> <li>interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs.</li> <li>solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs.</li> </ul>	solve     comparison, sum     and difference     problems using     information     presented in a     line graph     complete, read     and interpret     information in     tables, including     timetables.	interpret and construct pie charts and line graphs and use these to solve problems     calculate and interpret the mean as an average.

