Reception		Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
To understand	0						
To be able to c	ount to find						
To be able to c							
To be able to c	ount to 20	Count forwards to and across 100 starting from 0.				Count forwards with positive and negative whole numbers, including through zero.	
ELG: To be able beyond 20	to count	Count backwards to and across 100 ending with 0.			Count backwards through zero to include negative numbers.	Count backwards with positive and negative whole numbers, including through	
To be able to re patterns when beyond ten		Count forwards to and across 100 from any given number.				zero.	
		Count backwards to and across 100 from any given number.					
							Use negative numbers w calculating intervals acro zero.
						Interpret negative numbers in context.	Use negative numbers in context.
ELG: To be able			December the 1	December that it is a	December the 1	Determine the 1 C :	Determined 1
ELG: To be abl different repre numbers	sentations of		Recognise the place value of each digit in a two-digit number	Recognise the place value of each digit in a three-digit number	Recognise the place value of each digit in a four-digit number	Determine the value of each digit up to 1, 000, 000	Determine the place value each digit up to 10 000 (
To be able to n numeral to qua	intity						
Read numbers in numerals.	from 1 to 10	Read numbers from 11 to 20 in numerals.		Read numbers up to 1000 in numerals		Read numbers to at least 1 000 000	Read numbers up to 10
Write numbers	from 1 to 10	Write numbers from 11 to 20 in numerals.		Write numbers up to 1000 in		Write numbers to at least 1	Write numbers up to 10
in numerais.		Read numbers to 100 in		numerais		000 000	000
		numerals. Write numbers to 100 in					
		numerals. Read numbers from 1 to 10	Read numbers to at least 100	Read numbers up to 1000 in			
		in words. Read numbers from 11 to 20	in words	words			
		in words.					
		Write numbers from 1 to 10 in words.	Write numbers to at least 100 in words	Write numbers up to 1000 in words			
		Write numbers from 11 to 20 in words.					
ELG: Identify o	ne more of a	iii words.	Find 10 more of a given	Find 100 more than a given	Find 1000 more of a given		
given number ELG: Identify or	ne less of a		number. Find 10 less of a given	number. Find 100 less of a given	number. Find 1000 less of a given		
given number		Count forwards in multiples of twos from 0.	number. Count backwards in multiples of twos from a multiple of	number. Count from 0 in multiples of 3	number.	Count forwards in steps of powers of 10 for any given	
		Count forwards in multiples of fives from 0.	two. Count backwards in multiples of fives from a multiple of five.	Count backwards in multiples of threes from a multiple of three.	Count in multiples of 7	number up to 1 000 000 Count backwards in steps of powers of 10 for any given number up to 1 000 000	
		Count forwards in multiples of tens from 0.	Count backwards in multiples of tens from a multiple of ten.	Count from 0 in multiples of 8	Count in multiples of 9		
			Count forwards in steps of ten from any number up to 100	Count from 0 in multiples of 50	Count in multiples of 25		
			Count backwards in steps of ten from any number up to	Count from 0 in multiples of 100	Count in multiples of 1000		
			Count from 0 in multiples of 4	Count from 0 in multiples of 6			
			Count from 0 in multiples of 8				
			Recall the multiples of 10 below and above any given 2 digit number e.g. say that for 67 the multiples are 60 and				
		Identify numbers in different representations including the number line. Represent numbers using	70 Identify numbers in different representations, including the number line. Represent numbers using	Identify numbers using different representations.	Identify numbers using different representations including measures Represent numbers using		
		objects and pictorial representations including the	different representations, including the number line.	different representations.	different representations including measures		

Money, algebra, ratio and proportion objectives within other units

		Estimate numbers using different representations.	Estimate numbers using different representations.	Estimate numbers using different representations		
		including the number line.	'	including measures		
ELG: To be able to compare numbers	Use the language of: equal to, more than, less than (fewer), most, least.	Compare numbers from 0 up to 100; use <, > and = signs	Compare numbers up to 1000	Compare numbers beyond 1000.	Compare numbers to at least 1 000 000	Compare numbers up to 10 000 000
ELG: To be able to compare amounts (more, fewer, same)		Order numbers from 0 up to 100	Order numbers up to 1000	Order numbers beyond 1000.	Order numbers to at least 1 000 000	Order numbers up to 10 000 000
ELG: To understand that numbers can be made up in different ways (3 can be made up of 1 and 2, 1 and 1 and 1 or 2 and 1)	Partition numbers using apparatus if required e.g. partition 76 into tens and ones	Partition two-digit numbers into different combinations of tens and ones using apparatus if needed e.g. 23 is the same as 2 tens and 3 ones which is the same as 1 ten and 13 ones				
	Combine numbers using apparatus if required e.g. combine 6 tens and 4 ones.					
	Commune is tens and a ones	Use place value and number facts to solve word problems.	Solve number word problems	Solve number and practical word problems that involve all of the above and with increasingly large positive numbers.	Solve number word problems and practical word problems that involve ordering and comparing numbers to 1 000 000, counting forwards or backwards in steps, interpreting negative numbers or rounding.	Solve number and practical word problems that involve ordering and comparing numbers to 10 000 000, rounding to a required degree of accuracy, using negative numbers and calculating intervals across zero.
				Round any number to the nearest 10	Round any number up to 1 000 000 to the nearest 10	Round any whole number to a required degree of accuracy
				Round any number to the	Round any number up to 1	
				nearest 100 Round any number to the nearest 1000	000 000 to the nearest 100 Round any number up to 1 000 000 to the nearest 1000	
					Round any number up to 1 000 000 to the nearest 10	
					Round any number up to 1 000 000 to the nearest 100	
				Read Roman numerals to 100	Read Roman numerals to	
				(I to C) Know that over time, the numeral system changed to include the concept of zero and place value.	1000 (M) Recognise years written in Roman numerals.	
		Estimate length/height in any direction (m/cm) to the nearest appropriate unit using rulers		Estimate different measures		
		Estimate mass (kg/g) to the nearest appropriate unit using scales				
		Estimate capacity (litres/ml) to the nearest appropriate unit using measuring vessels				
		To estimate temperature (°C) to the nearest appropriate unit using thermometers				
	Measure and record length/height	To measure length/height in any direction (m/cm) to the nearest appropriate unit using	Measure lengths (m/cm/mm)			
	Measure and record mass/weight.	To measure mass (kg/g) to the nearest appropriate unit using scales	Measure mass (kg/g)			
	Measure and record capacity and volume.	To measure capacity (litres/ml) to the nearest appropriate unit using measuring vessels To measure temperature (°C)	Measure volume/capacity (I/mI).			
		to the nearest appropriate unit using thermometers				
		Compare length using >, < and =.	Compare lengths (m/cm/mm)	Compare different measures		
		Compare mass using >, < and =.	Compare mass (kg/g)			
		Compare volume/capacity using >, < and =, Order lengths	Compare volume/capacity (I/ml).			
		Order lengths				

			Order mass			
			Order volume/capacity			
			Read scales in divisions of ones.			
			Read scales in divisions of twos.			
			Read scales in divisions of			
			fives. Read scales in divisions of			
			tens. Read scales where not all			
			numbers on the scale are			
			given			
			Estimate points in between			
			points where not all numbers on the scale are given.			
					Recognise thousandths.	
					Know decimal equivalents of	
					any number of thousandths	
					Round decimals with two	
					decimal places to the nearest whole number.	
					Round decimals with two decimal places to one	
					decimal place	
					Read numbers with up to three decimal places.	
			Compare intervals of time.		Write numbers with up to	
			Sequence intervals of time.		three decimal places. Order numbers with up to	
					three decimal places. Compare numbers with up to	
					three decimal places.	
		Recognise and know the		Compare money in pounds		
		value of different		and pence.		
		denominations of coins Recognise and know the		Identify acute angles		
		value of different		,		
		denominations of notes.		Identify obtuse angles		
				Compare angles up to two		
				right angles by size.		
				Order angles up to two right angles by size.		
						Generate and describe linear
						Humber seddences
nd	To be able to combine 2	Read and understand				
n	groups to find out how many altogether	calculations involving addition (+) and equals (=)				
	To be able to take items	signs. Read and understand				
	away from an amount	calculations involving				
		subtraction (-) and equals (=)				
		Write addition calculations				
		Write subtraction calculations				
		Show that addition of two				
		numbers can be done in any order (commutative)				
		Show that subtraction of one				
		number from another cannot be done in any order (non				
		commutative). Demonstrate an	Recognise and use the inverse			
		understanding of inverse	relationship between addition			
		relationships involving addition and subtraction (e.g.	and subtraction and use this to check calculations.			
		if 3 + 2 = 5, then 5 - 2 = 3).				
			Recognise and use the inverse			
			relationship between addition			
			and subtraction and use this to solve missing number			
			problems.			
	ELG: Recall at least four of	Recall all number bonds to 10				
	the six number bonds for 10		within 10			

Addition an Subtraction

ELC: Bosall number bonds up	Recall all number bonds to 20	Recall all number bands				
ELG: Recall number bonds up to 5	Recall all number bonds to 20	within 20				
ELG: Recall subtraction facts up to 5	Represent number bonds within 20.	Use number bonds to and within 10 to reason with bonds to and within 20 (e.g. If 7+3=10, then 17+3=20; if 7-3=4, then 17-3=14;				
		leading to if 14 + 3 = 17, then 3 + 14 = 17, 17 - 14 = 3 and 17 - 3 = 14).				
	Calculate number bonds within 20	Use number bonds to and within 10 to calculate bonds to and within 20				
	Represent subtraction facts within 20.	Use addition facts to 10 to derive related facts up to 100				
	Calculate subtraction facts within 20	Use subtraction facts to 10 to derive related facts up to 100				
	Add one-digit and two-digit numbers to 20, including zero.	Add a two-digit number and multiple of ten up to 100	Add numbers with up to three digits using the formal method of columnar Addition	Add numbers with up to four digits using the formal method of columnar addition.	Add whole numbers with more than 4 digits using formal written methods	Perform mental calculations with mixed operations
		Mentally add a two-digit number and multiple of ten up to 100	Mentally add a three-digit number and 1 digit number		Add numbers mentally with increasingly large numbers	
		Add a 2 digit number and a 1 digit number with no exchanging up to 100	Add numbers mentally, including a three-digit number and a multiple of ten.			
		Mentally add a 2 digit number and a 1 digit number with no exchanging up to 100	Add numbers mentally, including a three-digit number and a multiple of a hundred			
		Add 2 two-digit numbers (no exchanging) up to 100 Add 2 two digit numbers with				
		an exchange up to 100 Add three one-digit numbers.				
		Mentally add three one digit numbers				
		Inditional	Add lengths (m/cm/mm)	Calculate different measures (addition)		
			Add mass (kg/g)			
			Add volume/capacity (I/ml).			
	Subtract one-digit and two- digit numbers to 20, including zero.	Subtract a multiple of ten from a 2 digit number within 100	Subtract numbers with up to three digits using the formal method of columnar subtraction	Subtract numbers with up to four digits using the formal method of columnar subtraction	Subtract whole numbers with more than 4 digits, using formal written methods	
		Mentally subtract a multiple of ten from a 2 digit number within 100	Mentally subtract a 1 digit number from a 3 digit		Subtract numbers mentally with increasingly large numbers	
		Mentally add 2 two digit numbers (no exchanging) within 100	Subtract numbers mentally, including a three-digit number and a multiple of ten.		Find the difference with negative numbers	
		Subtract a 1 digit number from a 2 digit number with no exchanging within 100	Subtract numbers mentally, including a three-digit number and a multiple of a hundred			
		Mentally subtract a 1 digit number from a 2 digit number with no exchanging within 100				
		Subtract 2 two-digit numbers (no exhanging) within 100				
		Mentally subtract 2 digit numbers (no exchanging) within 100				
		Subtract 2 two digit numbers with an exchange within 100				
			Subtract lengths (m/cm/mm) Subtract mass (kg/g)	Calculate different measures (subtraction)		
			Subtract mass (kg/g) Subtract volume/capacity			
			(I/ml).	Management of the control of the con		
			Measure the perimeter of simple 2-D shapes.	Measure the perimeter of a rectilinear figure (including squares) in centimetres and metres		

		Recognise symbols for		Calculate the perimeter of a		
		pounds (£) and pence (p)		rectilinear figure (including		
				squares) in centimetres and		
		Select amounts of money to	Add amounts of money, using	Add different measures,		
		make a particular value	both £ and p in practical	including money in pounds		
		Find different combinations	contexts	and pence.		
		of coins that equal the same				
		amounts of money.				
				Subtract different measures, including money in pounds		
			E and p in practical contexts	and pence.		
		Use estimation to check that	Estimate the answer to a	Estimate the answers to a	Use rounding to check	Use estimation to check
		his/her answers to a	calculation	calculation.	answers to calculations and	answers to calculations and
		calculation are reasonable e.g. knowing that 48 + 35 will			determine, in the context of a	determine, in the context of a
		be less than 100			problem, levels of accuracy.	problem, an appropriate degree of accuracy
		De less than 100				degree of accuracy
				Use inverse operations to		
		Solve missing number	check answers	check answers.		
		problems using addition				
		Solve missing number				
		problems using subtraction.				
<u> </u>	Solve one-step word	Solve word problems with	Solve addition word	Solve addition two-step word	Solve addition and	Solve multi-step word
	problems that involve	addition using concrete		problems in contexts.	subtraction multi-step word	problems in contexts, deciding
	addition using concrete	objects and pictorial	number problems	,	problems in contexts,	which operations and
	objects and pictorial	representations, including	·		deciding which operations	methods to use and why
	representations.	those involving numbers,			and methods to use and why.	
		quantities and measures				
	Solve one-step word	Solve word problems with		Solve word subtraction two-		
	problems that involve subtraction using concrete	subtraction using concrete objects and pictorial	problems, including missing number problems	step problems in contexts.		
	objects and pictorial	representations, including	number problems			
	representations.	those involving numbers,				
		auantities and measures				Solve addition and subtraction
	Solve one-step word problems that involve					word problems (in the same
	missing numbers using					question)
	concrete objects and pictorial					question
	ranracantations					
					Solve addition word problems involving	
					converting between units of	
					time.	
					Solve subtraction word	
					problems involving	
					converting between units of	
					time.	
		Solve simple word problems				
			1		Use addition to solve word	Solve addition word problems
		in a practical context			problems involving measure	involving the calculation and
		in a practical context involving addition of money of the same unit			problems involving measure e.g. length, mass, volume,	involving the calculation and conversion of units of
		involving addition of money			problems involving measure e.g. length, mass, volume, money using decimal	involving the calculation and
		involving addition of money			problems involving measure e.g. length, mass, volume,	involving the calculation and conversion of units of measure, using decimal
		involving addition of money of the same unit			problems involving measure e.g. length, mass, volume, money using decimal notation, including scaling	involving the calculation and conversion of units of measure, using decimal notation up to three decimal places where appropriate.
		involving addition of money			problems involving measure e.g. length, mass, volume, money using decimal	involving the calculation and conversion of units of measure, using decimal notation up to three decimal places where appropriate.
		involving addition of money of the same unit Solve word simple problems in a practical context			problems involving measure e.g. length, mass, volume, money using decimal notation, including scaling Use subtraction to word solve problems involving measure	involving the calculation and conversion of units of measure, using decimal notation up to three decimal places where appropriate. Solve subtraction word problems involving the
		involving addition of money of the same unit Solve word simple problems			problems involving measure e.g. length, mass, volume, money using decimal notation, including scaling Use subtraction to word solve	involving the calculation and conversion of units of measure, using decimal notation up to three decimal places where appropriate.
		involving addition of money of the same unit Solve word simple problems in a practical context involving subtraction of			problems involving measure e.g. length, mass, volume, money using decimal notation, including scaling Use subtraction to word solve problems involving measure e.g. length, mass, volume,	involving the calculation and conversion of units of measure, using decimal notation up to three decimal places where appropriate. Solve subtraction word problems involving the calculation and conversion of units of measure, using decimal notation up to three
		involving addition of money of the same unit Solve word simple problems in a practical context involving subtraction of money of the same unit,			problems involving measure e.g. length, mass, volume, money using decimal notation, including scaling Use subtraction to word solve problems involving measure e.g. length, mass, volume, money using decimal	involving the calculation and conversion of units of measure, using decimal notation up to three decimal places where appropriate. Solve subtraction word problems involving the calculation and conversion of units of measure, using
		involving addition of money of the same unit Solve word simple problems in a practical context involving subtraction of money of the same unit,			problems involving measure e.g. length, mass, volume, money using decimal notation, including scaling Use subtraction to word solve problems involving measure e.g. length, mass, volume, money using decimal	involving the calculation and conversion of units of measure, using decimal notation up to three decimal places where appropriate. Solve subtraction word problems involving the calculation and conversion of units of measure, using decimal notation up to three
		involving addition of money of the same unit Solve word simple problems in a practical context involving subtraction of money of the same unit, including giving change. Ask and answer simple word problems by counting the			problems involving measure e.g. length, mass, volume, money using decimal notation, including scaling Use subtraction to word solve problems involving measure e.g. length, mass, volume, money using decimal	involving the calculation and conversion of units of measure, using decimal notation up to three decimal places where appropriate. Solve subtraction word problems involving the calculation and conversion of units of measure, using decimal notation up to three
		involving addition of money of the same unit Solve word simple problems in a practical context involving subtraction of money of the same unit, including giving change. Ask and answer simple word problems by counting the number of objects in each			problems involving measure e.g. length, mass, volume, money using decimal notation, including scaling Use subtraction to word solve problems involving measure e.g. length, mass, volume, money using decimal	involving the calculation and conversion of units of measure, using decimal notation up to three decimal places where appropriate. Solve subtraction word problems involving the calculation and conversion of units of measure, using decimal notation up to three
		involving addition of money of the same unit Solve word simple problems in a practical context involving subtraction of money of the same unit, including giving change. Ask and answer simple word problems by counting the number of objects in each category and sorting the			problems involving measure e.g. length, mass, volume, money using decimal notation, including scaling Use subtraction to word solve problems involving measure e.g. length, mass, volume, money using decimal	involving the calculation and conversion of units of measure, using decimal notation up to three decimal places where appropriate. Solve subtraction word problems involving the calculation and conversion of units of measure, using decimal notation up to three
		involving addition of money of the same unit Solve word simple problems in a practical context involving subtraction of money of the same unit, including giving change. Ask and answer simple word problems by counting the number of objects in each			problems involving measure e.g. length, mass, volume, money using decimal notation, including scaling Use subtraction to word solve problems involving measure e.g. length, mass, volume, money using decimal	involving the calculation and conversion of units of measure, using decimal notation up to three decimal places where appropriate. Solve subtraction word problems involving the calculation and conversion of units of measure, using decimal notation up to three
		involving addition of money of the same unit Solve word simple problems in a practical context involving subtraction of money of the same unit, including giving change. Ask and answer simple word problems by counting the number of objects in each category and sorting the categories by quantity (trasticitics). Ask and answer word		Solve comparison word	problems involving measure e.g. length, mass, volume, money using decimal notation, including scaling Use subtraction to word solve problems involving measure e.g. length, mass, volume, money using decimal notation, including scaling Solve comparison word	involving the calculation and conversion of units of measure, using decimal notation up to three decimal places where appropriate. Solve subtraction word problems involving the calculation and conversion of units of measure, using decimal notation up to three
		involving addition of money of the same unit Solve word simple problems in a practical context involving subtraction of money of the same unit, including giving change. Ask and answer simple word problems by counting the number of objects in each category and sorting the categories by quantity least interest of the categories by quantity and answer word problems about comparing	problems e.g. 'How many	problems using information	problems involving measure e.g. length, mass, volume, money using decimal notation, including scaling Use subtraction to word solve problems involving measure e.g. length, mass, volume, money using decimal notation, including scaling Solve comparison word problems using information	involving the calculation and conversion of units of measure, using decimal notation up to three decimal places where appropriate. Solve subtraction word problems involving the calculation and conversion of units of measure, using decimal notation up to three
		involving addition of money of the same unit Solve word simple problems in a practical context involving subtraction of money of the same unit, including giving change. Ask and answer simple word problems by counting the number of objects in each category and sorting the categories by quantity (trasticitics). Ask and answer word	problems e.g. 'How many more?' and 'How many	problems using information presented in bar charts,	problems involving measure e.g. length, mass, volume, money using decimal notation, including scaling Use subtraction to word solve problems involving measure e.g. length, mass, volume, money using decimal notation, including scaling Solve comparison word	involving the calculation and conversion of units of measure, using decimal notation up to three decimal places where appropriate. Solve subtraction word problems involving the calculation and conversion of units of measure, using decimal notation up to three
		involving addition of money of the same unit Solve word simple problems in a practical context involving subtraction of money of the same unit, including giving change. Ask and answer simple word problems by counting the number of objects in each category and sorting the categories by quantity least interest of the categories by quantity and answer word problems about comparing	problems e.g. 'How many more?' and 'How many fewer?' using information	problems using information presented in bar charts, pictograms, tables and other	problems involving measure e.g. length, mass, volume, money using decimal notation, including scaling Use subtraction to word solve problems involving measure e.g. length, mass, volume, money using decimal notation, including scaling Solve comparison word problems using information	involving the calculation and conversion of units of measure, using decimal notation up to three decimal places where appropriate. Solve subtraction word problems involving the calculation and conversion of units of measure, using decimal notation up to three
		involving addition of money of the same unit Solve word simple problems in a practical context involving subtraction of money of the same unit, including giving change. Ask and answer simple word problems by counting the number of objects in each category and sorting the categories by quantity least interest of the categories by quantity and answer word problems about comparing	problems e.g. 'How many more?' and 'How many fewer?' using information presented in scaled bar charts	problems using information presented in bar charts,	problems involving measure e.g. length, mass, volume, money using decimal notation, including scaling Use subtraction to word solve problems involving measure e.g. length, mass, volume, money using decimal notation, including scaling Solve comparison word problems using information	involving the calculation and conversion of units of measure, using decimal notation up to three decimal places where appropriate. Solve subtraction word problems involving the calculation and conversion of units of measure, using decimal notation up to three
		involving addition of money of the same unit Solve word simple problems in a practical context involving subtraction of money of the same unit, including giving change. Ask and answer simple word problems by counting the number of objects in each category and sorting the categories by quantity least interest of the categories by quantity and answer word problems about comparing	problems e.g. 'How many more?' and 'How many fewer?' using information presented in scaled bar charts and pictograms and tables.	problems using information presented in bar charts, pictograms, tables and other	problems involving measure e.g. length, mass, volume, money using decimal notation, including scaling Use subtraction to word solve problems involving measure e.g. length, mass, volume, money using decimal notation, including scaling Solve comparison word problems using information	involving the calculation and conversion of units of measure, using decimal notation up to three decimal places where appropriate. Solve subtraction word problems involving the calculation and conversion of units of measure, using decimal notation up to three
		involving addition of money of the same unit Solve word simple problems in a practical context involving subtraction of money of the same unit, including giving change. Ask and answer simple word problems by counting the number of objects in each category and sorting the categories by quantity least interest of the categories by quantity and answer word problems about comparing	problems e.g. 'How many more?' and 'How many fewer?' using information presented in scaled bar charts and pictograms and tables. Solve two-step word	problems using information presented in bar charts, pictograms, tables and other	problems involving measure e.g. length, mass, volume, money using decimal notation, including scaling Use subtraction to word solve problems involving measure e.g. length, mass, volume, money using decimal notation, including scaling Solve comparison word problems using information	involving the calculation and conversion of units of measure, using decimal notation up to three decimal places where appropriate. Solve subtraction word problems involving the calculation and conversion of units of measure, using decimal notation up to three
		involving addition of money of the same unit Solve word simple problems in a practical context involving subtraction of money of the same unit, including giving change. Ask and answer simple word problems by counting the number of objects in each category and sorting the categories by quantity least interest of the categories by quantity and answer word problems about comparing	problems e.g. 'How many more?' and 'How many fewer?' using information presented in scaled bar charts and pictograms and tables. Solve two-step word problems e.g. 'How many	problems using information presented in bar charts, pictograms, tables and other	problems involving measure e.g. length, mass, volume, money using decimal notation, including scaling Use subtraction to word solve problems involving measure e.g. length, mass, volume, money using decimal notation, including scaling Solve comparison word problems using information	involving the calculation and conversion of units of measure, using decimal notation up to three decimal places where appropriate. Solve subtraction word problems involving the calculation and conversion of units of measure, using decimal notation up to three
		involving addition of money of the same unit Solve word simple problems in a practical context involving subtraction of money of the same unit, including giving change. Ask and answer simple word problems by counting the number of objects in each category and sorting the categories by quantity least interest of the categories by quantity and answer word problems about comparing	problems e.g. 'How many more?' and 'How many fewer?' using information presented in scaled bar charts and pictograms and tables. Solve two-step word problems e.g. 'How many more?' and 'How many	problems using information presented in bar charts, pictograms, tables and other	problems involving measure e.g. length, mass, volume, money using decimal notation, including scaling Use subtraction to word solve problems involving measure e.g. length, mass, volume, money using decimal notation, including scaling Solve comparison word problems using information	involving the calculation and conversion of units of measure, using decimal notation up to three decimal places where appropriate. Solve subtraction word problems involving the calculation and conversion of units of measure, using decimal notation up to three
		involving addition of money of the same unit Solve word simple problems in a practical context involving subtraction of money of the same unit, including giving change. Ask and answer simple word problems by counting the number of objects in each category and sorting the categories by quantity least interest of the categories by quantity and answer word problems about comparing	problems e.g. 'How many more?' and 'How many fewer?' using information presented in scaled bar charts and pictograms and tables. Solve two-step word problems e.g. 'How many more?' and 'How many fewer?' using information	problems using information presented in bar charts, pictograms, tables and other	problems involving measure e.g. length, mass, volume, money using decimal notation, including scaling Use subtraction to word solve problems involving measure e.g. length, mass, volume, money using decimal notation, including scaling Solve comparison word problems using information	involving the calculation and conversion of units of measure, using decimal notation up to three decimal places where appropriate. Solve subtraction word problems involving the calculation and conversion of units of measure, using decimal notation up to three
		involving addition of money of the same unit Solve word simple problems in a practical context involving subtraction of money of the same unit, including giving change. Ask and answer simple word problems by counting the number of objects in each category and sorting the categories by quantity least interest of the categories by quantity and answer word problems about comparing	problems e.g. 'How many more?' and 'How many fewer?' using information presented in scaled bar charts and pictograms and tables. Solve two-step word problems e.g. 'How many more?' and 'How many	problems using information presented in bar charts, pictograms, tables and other	problems involving measure e.g. length, mass, volume, money using decimal notation, including scaling Use subtraction to word solve problems involving measure e.g. length, mass, volume, money using decimal notation, including scaling Solve comparison word problems using information	involving the calculation and conversion of units of measure, using decimal notation up to three decimal places where appropriate. Solve subtraction word problems involving the calculation and conversion of units of measure, using decimal notation up to three

			Ask and answer word problems about totalling categorical data.		Solve sum word problems using information presented in bar charts, pictograms, tables and other graphs.	Solve sum word problems using information presented in a line graph	
					Solve difference word problems using information presented in bar charts, pictograms, tables and other	Solve difference word problems using information presented in a line graph	
					Vi al line		Find unknown angles in any
							triangle Find unknown angles in any
							quadrilaterals
							Find unknown angles in any regular polygons
							Recognise angles where they meet at a point, are on a straight line, or are vertically opposite, and find missing
						Know angles at a point and	3700124
						one whole turn (total 360°). Know angles at a point on a	
						straight line and 1/2 a turn	
						(total 180°). Use the properties of	
						rectangles to deduce related facts and find missing lengths and angles	
							Express missing number problems algebraically.
							problems algebraically.
Multiplication	ELG: To understand the		Recognise odd and even				
and division	pattern of odd and even		numbers.				
	To be able to represent	Count in twos to solve	Recall multiplication facts for	Recall multiplication facts for	Recall multiplication facts for		
	double patterns on tens frames	problems e.g. count the number of chairs in a	the 2 multiplication table	the 3 multiplication table.	multiplication tables up to 12 × 12.		
	Italiles	diagram when the chairs are			× 12.		
		organised in 7 rows of 2 by					
	To understand what twice as	Count in fives to solve	Recall multiplication facts for	Recall multiplication facts for			
	many means	problems e.g. count the number of chairs in a	the 5 multiplication table	the 6 multiplication table.			
		diagram when the chairs are					
		organised in 7 rows of 5 by					
	To be able to represent doubles	Count in tens to solve problems e.g. count the number of chairs in a diagram when the chairs are organised in 7 rows of 10 by	Recall multiplication facts for the 10 multiplication table	Recall multiplication facts for the 8 multiplication table.			
	ELG: To know some double	counting in tens	Recall multiplication facts for				
	facts		the 4 multiplication table.				
			Recall doubles to 20 e.g. knowing that double 2 is 4, double 5 is 10				
			Recall halves to 20 e.g. half of 18 is 9.				
	To be able to make pairs		Use multiplication facts 2 to				
			make deductions outside known multiplication facts				
			e.g. know that multiples of 2				
			end with 0, 2, 4, 6 or 8 and				
			use this to reason that 18 × 2 cannot be 35 as it is not a				
			multiple of 2				
			Use multiplication facts 5 to make deductions outside				
			known multiplication facts				
			e.g. know that multiples of 5				
			end with 0 or 5 and use this to reason that 18 × 5 cannot be				
			92 as it is not a multiple of 5				
			Use multiplication facts for				
			10 to make deductions outside known multiplication				
			facts e.g. know that multiples				
			of 10 end with 0 and use this				
			to reason that 10x8 cannot be 92 as it is not a multiple of				
			10				
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Accordant must be marked of the companies of the companies and the contaction for the companies of the compa							
Acception motives and the exception of the particular indication in the particular i						Identify multiples	Identify common multiples
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those involving decimals by 100 Multiply whole numbers and those involving decimals by 100 Multiply whole numbers and those involving decimals by 1000 Divide numbers mentally drawing upon known facts. G: To be able to share Calculate mathematical statements for division within mathematical statements for the multiplication tables and write them using the division using the multiplication tables and (i-) and equals (i-) signs. he/she knows using mental which is more than the surround the surr						those involving decimals by	
those involving decimals by 100 Multiply whole numbers and those involving decimals by 100 Multiply whole numbers and those involving decimals by 1000 Divide numbers mentally drawing upon known facts. G: To be able to share Calculate mathematical statements for division within mathematical statements for the multiplication tables and write them using the division using the multiplication tables and (i-) and equals (i-) signs. he/she knows using mental which is more than the surround the surr						Multiply whole numbers and	
Multiply whole numbers and those involving decimals by 100 more normal and 100 mor						those involving decimals by	
those involving decimals by 1000 Divide numbers mentally drawing upon known facts. G: To be able to share Ojects equally Statements for division within mathematical statements for the multiplication tables and write them using the division withit write them using the division withit of the multiplication tables and write them using the division within the formal written method of long division with formal written method of long division written method of long division written written written written written written written written w							
1000 Divide numbers mentally drawing upon known facts. Including with division and large numbers of digits of the multiplication tables and the multiplication tables and write them using the division using the formal written mental dequals (=) signs. he/she knows using mental							
drawing upon known facts. G: To be able to share Calculate mathematical Statements for division within mathematical statements for the multiplication tables and writte them using the division tables and writte them using the division tables the write them using the division tables the short division (+) and equals (-) signs. Mrite and calculate Write and calculate Write and calculate Divide numbers up to 4 digits by a one-digit number using by a two-digit whole number the formal written method of using the formal written method of multiplication tables that short division method of long division method of long division						1000.	
G: To be able to share Calculate mathematical Write and calculate Statements for division within mathematical statements for the multiplication tables and write them using the division wing the write them using the division wing the formal written method of short division short division which write them using the division short division wing the formal written method of short division short division short division wing the formal written method of short division short division wing the formal written method of long division short division wing mental							Perform mental calculations,
G: To be able to share Calculate mathematical statements for division within mathematical statements for the multiplication tables and write them using the division with the division sugar to the multiplication tables and write them using the division within the division sugar the formal written method of long division he/she knows using mental.						drawing upon known facts.	
statements for division within matrical statements for the multiplication tables and division using the write them using the division using the write them using the division using the ormal written method of write them using the division using the ormal written method of using the formal written method of using the formal written method of long division (†) and equals (†) signs. he/she knows using mental	ELG: To be able to share		Calculate mathematical	Write and calculate		Divide numbers up to 4 digits	Divide numbers up to 4 digits
the multiplication tables and division using the writte them using the division the multiplication tables that (+) and equals (+) signs. he/she knows using mental	objects equally		statements for division within	mathematical statements for		by a one-digit number using	by a two-digit whole number
(÷) and equals (=) signs. he/she knows using mental							using the formal written
						snort division	metnod of long division
unitate anathode			(-) and equals (-) signs.				
		1	i .		1	l .	

		Show that division of one number cannot be done in any order (non- commutative).	Write and calculate mathematical statements for division using the multiplication tables that he/she knows, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods		Divide numbers up to 4 digits by a one-digit number using the formal written method of short division and interpret remainders as fractions or known decimal equivalent	Divide numbers up to 4 digits by a two-digit whole number using the formal written method of long division, and interpret remainders as decimals, rounding as appropriate for the context
To understand that some quantities will share equally into 2 groups and some won't					Divide whole numbers and those involving decimals by 10	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
					Divide whole numbers and those involving decimals by 100 Divide whole numbers and	
					those involving decimals by 1000.	Use his/her knowledge of the
		December the relationships				order of operations to carry out calculations
		Recognise the relationships between repeated addition and multipleiation and rewrite addition statements as simplified multiplication statements.				
			Compare units of time			
	Solve one-step word problems involving multiplication by calculating the answer using concrete objects, pictorial representations and arrays (not including x symbol)	Solve word problems involving multiplication	Solve word problems, including missing number problems, involving multiplication, including positive integer scaling problems	Solve word problems involving multiplying and adding, including using the distributive law to multiply two digit numbers by one digit	Solve word problems involving multiplication	Solve word problems involving multiplication and division (in the same question)
				Solve word problems involving multiplying and adding, including integer scaling problems		
				Solve word problems involving multiplying and adding, including harder correspondence problems such as n objects are		
			Solve word problems, including missing number problems, involving multiplication, including correspondence problems in which n objects are	Calculate different measures using multiplication	Solve word problems involving multiplication and division including using their knowledge of factors and multiples, squares and cubes	Solve multiplication word problems involving the calculation and conversion of units of measure, using decimal notation up to three decimal places where
			ANACE		Solve word problems involving multiplication including scaling by simple fractions	Solve word problems involving the calculation of percentages e.g. of measures, and such as 15% of 360 and the use of percentages for comparison.
						Solve word problems involving similar shapes where the scale factor is known or can be found
					Solve word problems involving converting between units of time using	

				Use multiplication to solve word problems involving measure e.g. length, mass, volume, money using decimal notation, including scaling.	
Solve one-step word problems involving division by calculating the answer using concrete objects, pictorial representations and arrays (not including ÷ symbol)	Solve word problems involving division	Solve word problems, including missing number problems, involving division, including scaling problems	Calculate different measures using division	Solve word problems involving division	Solve division word problems involving the calculation and conversion of units of measure, using decimal notation up to three decimal places where appropriate.
		Solve word problems, including missing number problems, involving division, including correspondence problems in which n objects are connected to m objects.		Solve word problems involving division including scaling by simple fractions	Solve word problems involving unequal sharing and grouping using knowledge of fractions and multiples.
				Solve word problems involving converting between units of time using division	
				Use division to solve word problems involving measure e.g. length, mass, volume, money using decimal notation, including scaling.	
					Use estimation to check answers to calculations and determine, in the context of a problem, an appropriate degree of accuracy.
					Know that shapes with the same areas can have different perimeters and vice versa
				Calculate the perimeter of composite rectilinear shapes in centimetres and metres.	
			Convert between different units of measure e.g. kilometre to metre; hour to minute	Convert between different units of metric measure (for example, kilometre and metre; centimetre and metre; centimetre and millimetre; gram and kilogram; litre and millilitre).	Convert between miles and kilometres.
				Calculate the area of rectangles (including squares), and including using standard units, square centimetres (cm²) and square metres (m²)	Calculate the area of parallelograms and triangles
				Compare the area of rectangles (including squares), and including using standard units, square centimetres (cm²) and square matter (m²)	
				Estimate the area of irregular shapes.	
					Recognise when it is possible to use formulae for area of shapes
					Recognise when it is possible to use formulae for volume of shapes
				Estimate volume e.g. using 1 cm³ blocks to build cuboids (including cubes) and capacity e.g. using water.	Estimate volume of cubes and cuboids using standard units, including cubic centimetres (cm³) and cubic metres (m³), and extending to other units e.g. mm³ and km².
					Calculate volume of cubes and cuboids using standard units, including cubic centimetres (cm³) and cubic metres (m³), and extending to other units e.g. mm³ and km³.

					identify other multiples of 90°	Compare volume of cubes and cuboids using standard units, including cubic centimetres (cm³) and cubic metres (m³) and extending to other units e.g. mm³ and km³. Illustrate and name parts of circles, including radius, including radius, including radius, which will be considered to the compared to the
						Find pairs of numbers that satisfy an equation with two
						unknowns Enumerate possibilities of
						combinations of two variables
Fractions	Recognise a half as one of two equal parts of an object or shape	Recognise 1/3 of a length, shape, set of objects or quantity and demonstrate understanding that all parts must be equal parts of the	Recognise fractions of a discrete set of objects: unit fractions			
		shape, set of objects or quantity and demonstrate understanding that all parts must be equal parts of the	Recognise fractions of a discrete set of objects: non- unit fractions with small denominators			
		Recognise 2/4 of a length, shape, set of objects or quantity and demonstrate understanding that all parts must be equal parts of the				
		Recognise 3/4 of a length, shape, set of objects or quantity and demonstrate understanding that all parts must be equal parts of the				
		Find 1/3 of a length, shape, set of objects or quantity	Find fractions of a discrete set of objects: unit fractions	Find fractions of an amount (unit and non-unit fractions	Find fractions of an amount (unit and non-unit fractions	
		Find 2/3 of a length, shape, set of objects or quantity				
		Find 1/4 of a length, shape, set of objects or quantity	Find fractions of a discrete set of objects: non-unit fractions with small denominators			
		Find 2/4 of a length, shape, set of objects or quantity				
	 	Find 3/4 of a length, shape, set of objects or quantity				
		Find 1/2 of a length, shape, set of objects or quantity				
		Know equivalence of 2/4 and 1/2	Know equivalent fractions with small denominators	Know families of common equivalent fractions	Write equivalent fractions of a given fraction, including tenths and hundredths	
			Show equivalent fractions of small denominators using diagrams	Show families of common equivalent fractions using diagrams.		
		Write 1/3 of a length, shape, set of objects or quantity				
		Write 1/4 of a length, shape, set of objects or quantity				
		Write 2/4 of a length, shape, set of objects or quantity				

		Write 3/4 of a length, shape,				
		set of objects or quantity				
			Count up in tenths			
			Count down in tenths			
			Know that tenths arise from			
			dividing an object into 10			
			equal parts			
			Know that tenths arise from dividing one-digit numbers or			
			quantities by 10			
			Add fractions with the same	Add fractions with the same	Add fractions with	Add fractions with different
			denominator within one whole e.g. 5/7 + 1/7 = 6/7.	denominator	denominators that are multiples of the same	denominators and mixed numbers, using the concept of
			whole e.g. 5/7 + 1/7 = 6/7.		number.	equivalent fractions.
			Subtract fractions with the	Subtract fractions with the	Subtract fractions with	Subtract fractions with
			same denominator within one	same denominator	denominators that are	different denominators and
			whole e.g. 6/7 - 1/7 = 5/7.		multiples of the same	mixed numbers, using the concept of equivalent
					number.	fractions
			Compare unit fractions		Compare fractions whose	Compare fractions, including
					denominators are all	fractions > 1.
					multiples of the same	
			Compare fractions with the			
			same denominators.		Order fractions whose	Order fractions ()
			Order unit fractions		denominators are all	Order fractions, including fractions > 1.
					multiples of the same	
					number.	
			Order fractions with the same denominators.			
			some denominators.	Understand improper	Convert improper fractions	
				fractions	to mixed numbers	
					Convert mixed numbers to	
					improper fractions Multiply proper fractions by	Multiply simple pairs of
					whole numbers, supported by	proper fractions, writing the
					materials and diagrams.	answer in its simplest form
					Multiply mixed numbers by	e σ 1/4 × 1/2 = 1/8
					whole numbers, supported by	
					materials and diagrams.	
						Use common factors to
						simplify fractions
						Use common multiples to
						express fractions in the same
						denomination. Divide proper fractions by
						whole numbers e.g. 1/3 ÷ 2 =
						1/6.
			Solve fraction word problems.	Solve word problems involving increasingly harder	Solve fraction word problems.	Solve word problems involving the relative sizes of
				fractions to calculate	problems.	two quantities where missing
				quantities, and fractions to		values can be found by using
				divide quantities, including		integer multiplication and
				non-unit fractions where the		division facts e.g. find 7/9 of
				answer is a whole number.		108
To be able to describe	Describe capacity and					
capacity (full, empty, half full,	volume e.g. full/empty, more					
nearly full, nearly empty)	than, less than, half, half full,					
	Compare capacity and					
	volume e.g. full/empty, more					
	than, less than, half, half full,					
	Solve practical problems for					
	capacity and volume e.g.					
	full/empty, more than, less					
	than, half, half full, quarter.					
	Tell the time to the hour.	Tell the time to five minutes				
	Draw the hands on a clock face to show the time to the	Write the time to five minutes				
	hour.					
		Draw the hands on a clock				
		face to show the time to five				
	Tell the time to half past the	minutes Tell the time to quarter past				
	hour.					
	Draw the hands on a clock	Write the time to quarter				
	face to show the time to half past the hour.	past				

		Draw the hands on a clock to				
		show quarter past Tell the time to quarter to				
		Write the time to quarter to				
		Draw the hands on a clock to show quarter to				
		STOW GRAFTED TO	Know angles as a property of			
			shape. Know angles as a description			
			of a turn.			
			Identify right angles			
			Idenitfy whether other angles			
			are greater than a right angle.			
			Idenitfy whether other angles			
			are less than a right angle.			
			Know that two right angles			
			make a half turn.			
			Know that three right angles make three quarters of a turn			
			Know that four right angles make a complete turn			
		Use mathematical vocabulary	THORE O'COMBINE COM			
		to describe position				
		Use mathematical vocabulary				
		to describe direction				
		Use mathematical vocabulary				
		to describe movement				
	Identfy whole turn, half,	Use mathematical vocabulary				
	quarter and three-quarter	including movement in a				
	turns.	straight line (how many				
		spaces are you moving?)				
		Identify rotation as a turn (in				
		terms of right angles for				
		quarter, half and three- quarter turns)				
		Ouarter turns) Understand the terms				
		quarter turns)				
		Ouarter turns) Understand the terms				
Decimals		Ouarter turns) Understand the terms		Know decimal equivalents of		Identify the value of each digit
Decimals		Ouarter turns) Understand the terms		Know decimal equivalents of any number of tenths		in numbers given to three
Decimals		Ouarter turns) Understand the terms				
Decimals		Ouarter turns) Understand the terms		any number of tenths		in numbers given to three
Decimals		Ouarter turns) Understand the terms		any number of tenths Know decimal equivalents of any number of hundredths	Relate thousandths to	in numbers given to three
Decimals		Ouarter turns) Understand the terms		any number of tenths Know decimal equivalents of any number of hundredths	amount of tenths,	in numbers given to three
Decimals		Ouarter turns) Understand the terms		any number of tenths Know decimal equivalents of any number of hundredths Know decimal equivalents to 1/4, 1/2, 3/4		in numbers given to three decimal places
Decimals		Ouarter turns) Understand the terms		any number of tenths Know decimal equivalents of any number of hundredths Know decimal equivalents to 1/4, 1/2, 3/4 Find the effect of multiplying a one- or two-digit number by	amount of tenths,	in numbers given to three decimal places Multiply numbers by 10, 100 and 1000 giving answers up to
Decimals		Ouarter turns) Understand the terms		any number of tenths Know decimal equivalents of any number of hundredths Know decimal equivalents to 1/4, 1/2, 3/4 Find the effect of multiplying a one- or two-digit number by 10, identifying the value of	amount of tenths,	in numbers given to three decimal nlaces Multiply numbers by 10, 100
Decimals		Ouarter turns) Understand the terms		any number of tenths Know decimal equivalents of any number of hundredths Know decimal equivalents to 1/4, 1/2, 3/4 Find the effect of multiplying a one- or two-digit number by 10, identifying the value of the digits in the answer as	amount of tenths,	in numbers given to three decimal places Multiply numbers by 10, 100 and 1000 giving answers up to
Decimals		Ouarter turns) Understand the terms		any number of tenths Know decimal equivalents of any number of hundredths Know decimal equivalents to 1/4, 1/2, 3/4 Find the effect of multiplying a one- or two-digit number by 10, identifying the value of	amount of tenths,	in numbers given to three decimal places Multiply numbers by 10, 100 and 1000 giving answers up to
Decimals		Ouarter turns) Understand the terms		any number of tenths Know decimal equivalents of any number of hundredths Know decimal equivalents to 1/4, 1/2, 3/4 Find the effect of multiplying a one- or two-digit number by 10, identifying the value of the digits in the answer as	amount of tenths,	in numbers given to three decimal places Multiply numbers by 10, 100 and 1000 giving answers up to
Decimals		Ouarter turns) Understand the terms		any number of tenths Know decimal equivalents of any number of hundredths Know decimal equivalents to 1/4, 1/2, 3/4 Find the effect of multiplying a one- or two-digit number by 10, identifying the value of the digits in the answer as ones, tenths and hundredths Find the effect of dividing a one- or two-digit number by	amount of tenths,	in numbers given to three decimal places Multiply numbers by 10, 100 and 1000 giving answers up to three decimal places. Divide numbers by 10, 100 and 1000 giving answers up to
Decimals		Ouarter turns) Understand the terms		any number of tenths Know decimal equivalents of any number of hundredths Know decimal equivalents to 1/4, 1/2, 3/4 Find the effect of multiplying a one- or two-dight number by 10, identifying the value of the digits in the answer as ones, tenths and hundredths Find the effect of dividing a one- or two-dight number by 100, identifying the value of 100.	amount of tenths,	in numbers given to three decimal nlaces. Multiply numbers by 10, 100 and 1000 giving answers up to three decimal places. Divide numbers by 10, 100
Decimals		Ouarter turns) Understand the terms		any number of tenths Know decimal equivalents of any number of hundredths Know decimal equivalents to 1/4, 1/2, 3/4 Find the effect of multiplying a one- or two-digit number by 10, identifying the value of the digits in the answer as ones, tenths and hundredths Find the effect of dividing a one- or two-digit number by	amount of tenths,	in numbers given to three decimal places Multiply numbers by 10, 100 and 1000 giving answers up to three decimal places. Divide numbers by 10, 100 and 1000 giving answers up to
Decimals		Ouarter turns) Understand the terms		any number of tenths Know decimal equivalents of any number of hundredths Know decimal equivalents to 1/4, 1/2, 3/4 Find the effect of multiplying a one- or two-digit number by 10, identifying the value of the digits in the answer as ones, tenths and hundredths Find the effect of dividing a one- or two-digit number by 100, identifying the value of the digits in the answer as ones, tenths and hundredths	amount of tenths,	in numbers given to three decimal places. Multiply numbers by 10, 100 and 1000 giving answers up to three decimal places. Divide numbers by 10, 100 and 1000 giving answers up to three decimal places.
Decimals		Ouarter turns) Understand the terms		any number of tenths Know decimal equivalents of any number of hundredths Know decimal equivalents to 1/4, 1/2, 3/4 Find the effect of multiplying a one- or two-digit number by 10, identifying the value of the digits in the answer as ones, tenths and hundredths Find the effect of dividing a one- or two-digit number by 100, identifying the value of the digits in the answer as ones, tenths and hundredths	amount of tenths,	in numbers given to three decimal places. Multiply numbers by 10, 100 and 1000 glving answers up to three decimal places. Divide numbers by 10, 100 and 1000 glving answers up to three decimal places. Associate a fraction with division e.g. know that 7
Decimals		Ouarter turns) Understand the terms		any number of tenths Know decimal equivalents of any number of hundredths Know decimal equivalents to 1/4, 1/2, 3/4 Find the effect of multiplying a one- or two-digit number by 10, identifying the value of the digits in the answer as ones, tenths and hundredths Find the effect of dividing a one- or two-digit number by 100, identifying the value of the digits in the answer as ones, tenths and hundredths	amount of tenths,	in numbers given to three decimal places. Multiply numbers by 10, 100 and 1000 giving answers up to three decimal places. Divide numbers by 10, 100 and 1000 giving answers up to three decimal places. Associate a fraction with division e.g. know that 7 divided by 21 is the same as
Decimals		Ouarter turns) Understand the terms		any number of tenths Know decimal equivalents of any number of hundredths Know decimal equivalents to 1/4, 1/2, 3/4 Find the effect of multiplying a one- or two-digit number by 10, identifying the value of the digits in the answer as ones, tenths and hundredths Find the effect of dividing a one- or two-digit number by 100, identifying the value of the digits in the answer as ones, tenths and hundredths	amount of tenths,	in numbers given to three decimal places. Multiply numbers by 10, 100 and 1000 glving answers up to three decimal places. Divide numbers by 10, 100 and 1000 glving answers up to three decimal places. Associate a fraction with division e.g. know that 7
Decimals		Ouarter turns) Understand the terms		any number of tenths Know decimal equivalents of any number of hundredths Know decimal equivalents to 1/4, 1/2, 3/4 Find the effect of multiplying a one- or two-digit number by 10, identifying the value of the digits in the answer as ones, tenths and hundredths Find the effect of dividing a one- or two-digit number by 100, identifying the value of the digits in the answer as ones, tenths and hundredths	amount of tenths, hundredths	in numbers given to three decimal nlaces. Multiply numbers by 10, 100 and 1000 giving answers up to three decimal places. Divide numbers by 10, 100 and 1000 giving answers up to three decimal places. Associate a fraction with division e.g. know that 7 divided by 21 is the same as 7/21 and that this is equal to 1/3 Calculate decimal fraction
Decimals		Ouarter turns) Understand the terms		any number of tenths Know decimal equivalents of any number of hundredths Know decimal equivalents to 1/4, 1/2, 3/4 Find the effect of multiplying a one- or two-digit number by 10, identifying the value of the digits in the answer as ones, tenths and hundredths Find the effect of dividing a one- or two-digit number by 100, identifying the value of the digits in the answer as ones, tenths and hundredths	amount of tenths, hundro-dths. Write decimal numbers as fractions e.g. 0.71 = 71/100,	in numbers given to three decimal nlaces. Multiply numbers by 10, 100 and 1000 giving answers up to three decimal places. Divide numbers by 10, 100 and 1000 giving answers up to three decimal places. Associate a fraction with division e.g. know that 7 divided by 21 is the same as 7/21 and that this is equal to 1/3 Calculate decimal fraction equivalents e.g. 0.375 is
Decimals		Ouarter turns) Understand the terms		any number of tenths Know decimal equivalents of any number of hundredths Know decimal equivalents to 1/4, 1/2, 3/4 Find the effect of multiplying a one- or two-digit number by 10, identifying the value of the digits in the answer as ones, tenths and hundredths Find the effect of dividing a one- or two-digit number by 100, identifying the value of the digits in the answer as ones, tenths and hundredths	amount of tenths, hundredths	in numbers given to three decimal nlaces. Multiply numbers by 10, 100 and 1000 giving answers up to three decimal places. Divide numbers by 10, 100 and 1000 giving answers up to three decimal places. Associate a fraction with division e.g. know that 7 divided by 21 is the same as 7/21 and that this is equal to 1/3 Calculate decimal fraction
Decimals		Ouarter turns) Understand the terms		any number of tenths Know decimal equivalents of any number of hundredths Know decimal equivalents to 1/4, 1/2, 3/4 Find the effect of multiplying a one- or two-digit number by 10, identifying the value of the digits in the answer as ones, tenths and hundredths Find the effect of dividing a one- or two-digit number by 100, identifying the value of the digits in the answer as ones, tenths and hundredths	amount of tenths, hundro-dths. Write decimal numbers as fractions e.g. 0.71 = 71/100,	in numbers given to three decimal nlaces. Multiply numbers by 10, 100 and 1000 giving answers up to three decimal places. Divide numbers by 10, 100 and 1000 giving answers up to three decimal places. Associate a fraction with division e.g. know that 7 divided by 21 is the same as 7/21 and that this is equal to 1/3 Calculate decimal fraction equivalents e.g. 0.375 is
Decimals		Ouarter turns) Understand the terms		any number of tenths Know decimal equivalents of any number of hundredths Know decimal equivalents to 1/4, 1/2, 3/4 Find the effect of multiplying a one- or two-digit number by 10, identifying the value of the digits in the answer as ones, tenths and hundredths Find the effect of dividing a one- or two-digit number by 100, identifying the value of the digits in the answer as ones, tenths and hundredths Find the effect of dividing a one- or two-digit number by 100, identifying the value of the digits in the answer as ones, tenths and hundredths Round decimals with one decimal place to the nearest whole number.	amount of tenths, hundro-dths. Write decimal numbers as fractions e.g. 0.71 = 71/100,	in numbers given to three decimal nlaces. Multiply numbers by 10, 100 and 1000 giving answers up to three decimal places. Divide numbers by 10, 100 and 1000 giving answers up to three decimal places. Associate a fraction with division e.g. know that 7 divided by 21 is the same as 7/21 and that this is equal to 1/3 Calculate decimal fraction equivalents e.g. 0.375 is
Decimals		Ouarter turns) Understand the terms		any number of tenths Know decimal equivalents of any number of hundredths Know decimal equivalents to 1/4, 1/2, 3/4 Find the effect of multiplying a one- or two-digit number by 10, identifying the value of the digits in the answer as ones, tenths and hundredths Find the effect of dividing a one- or two-digit number by 100, identifying the value of the digits in the answer as ones, tenths and hundredths Find the effect of dividing a one- or two-digit number by 100, identifying the value of the digits in the answer as ones, tenths and hundredths Round decimals with one	amount of tenths, hundro-dths. Write decimal numbers as fractions e.g. 0.71 = 71/100,	in numbers given to three decimal nlaces. Multiply numbers by 10, 100 and 1000 giving answers up to three decimal places. Divide numbers by 10, 100 and 1000 giving answers up to three decimal places. Associate a fraction with division e.g. know that 7 divided by 21 is the same as 7/21 and that this is equal to 1/3 Calculate decimal fraction equivalents e.g. 0.375 is
Decimals		Ouarter turns) Understand the terms		any number of tenths Know decimal equivalents of any number of hundredths Know decimal equivalents to 1/4, 1/2, 3/4 Find the effect of multiplying a one- or two-digit number by 10, identifying the value of the digits in the answer as ones, tenths and hundredths Find the effect of dividing a one- or two-digit number by 100, identifying the value of the digits in the answer as ones, tenths and hundredths Find the effect of dividing a one- or two-digit number by 100, identifying the value of the digits in the answer as ones, tenths and hundredths Round decimals with one decimal place to the nearest whole number.	amount of tenths, hundro-dths. Write decimal numbers as fractions e.g. 0.71 = 71/100,	in numbers given to three decimal nlaces. Multiply numbers by 10, 100 and 1000 giving answers up to three decimal places. Divide numbers by 10, 100 and 1000 giving answers up to three decimal places. Associate a fraction with division e.g. know that 7 divided by 21 is the same as 7/21 and that this is equal to 1/3 Calculate decimal fraction equivalents e.g. 0.375 is
Decimals		Ouarter turns) Understand the terms		any number of tenths Know decimal equivalents of any number of hundredths Know decimal equivalents to 1/4, 1/2, 3/4 Find the effect of multiplying a one- or two-digit number by 10, identifying the value of the digits in the answer as ones, tenths and hundredths Find the effect of dividing a one- or two-digit number by 100, identifying the value of the digits in the answer as ones, tenths and hundredths Find the effect of dividing a one- or two-digit number by 100, identifying the value of the digits in the answer as ones, tenths and hundredths Round decimals with one decimal place to the nearest whole number. Count up in hundredths Count up in hundredths Count do in hundredths Count do in hundredths	amount of tenths, hundro-dths. Write decimal numbers as fractions e.g. 0.71 = 71/100,	in numbers given to three decimal nlaces. Multiply numbers by 10, 100 and 1000 giving answers up to three decimal places. Divide numbers by 10, 100 and 1000 giving answers up to three decimal places. Associate a fraction with division e.g. know that 7 divided by 21 is the same as 7/21 and that this is equal to 1/3 Calculate decimal fraction equivalents e.g. 0.375 is

				Know that hundredths arise when dividing tenths by ten.		
				Compare numbers with the		
				same number of decimal		
				places up to two decimal		
				mares.		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.
						Colue word problems which
						Solve word problems which require answers to be
						rounded to specified degrees
				California and a second	Calva ward and blanca	of accuracy
				Solve simple measure and money word problems	Solve word problems involving number up to three	Solve word problems involving the calculation and
				involving fractions and	decimal places.	conversion of units of
				decimals to two decimal		measure, using decimal
				places.		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
					Use all four operations to	decimal places Solve word problems
					solve word problems	involving the calculation and
					involving measure e.g. length,	
					mass, volume, money using	measure, using decimal
					decimal notation, including	notation up to three decimal
					scaling	places where appropriate.
Percentages					Recognise the per cent symbol (%)	
					Understand that per cent	
					relates to 'number of parts	
					ner hundred!	
					Write percentages as a	
					Write percentages as a fraction with denominator 100	
					Write percentages as a fraction with denominator 100 Write percentages as a	
					Write percentages as a fraction with denominator 100 Write percentages as a decimal.	Use equivalences between
					Write percentages as a fraction with denominator 100 Write percentages as a decimal. Solve word problems which require knowing percentage	simple fractions, decimals and
					Write percentages as a fraction with denominator 100 Write percentages as a decimal. Solve word problems which require knowing percentage and decimal equivalents of	simple fractions, decimals and percentages, including in
					Write percentages as a fraction with denominator 100 Write percentages as a decimal. Solve word problems which require knowing percentage and decimal equivalents of 1/2, 1/4, 1/5, 2/5, 4/5 and	simple fractions, decimals and percentages, including in different contexts e.g. one
					Write percentages as a fraction with denominator 100 Mrite percentages as a decimal. Solve word problems which require knowing percentage and decimal equivalents of 1/2, 1/4, 1/5, 2/5, 4/5 and those fractions with a denominator of a multiple of denominator of a multiple of	simple fractions, decimals and percentages, including in different contexts e.g. one piece of cake that has been
					Write percentages as a fraction with denominator 100 Write percentages as a decimal. Solve word problems which require knowing percentage and decimal equivalents of 1/2, 1/4, 1/5, 2/5, 4/5 and	simple fractions, decimals and percentages, including in different contexts e.g. one piece of cake that has been cut into 5 equal slices can be expressed as 1/5 or 0.2 or
					Write percentages as a fraction with denominator 100 Mrite percentages as a decimal. Solve word problems which require knowing percentage and decimal equivalents of 1/2, 1/4, 1/5, 2/5, 4/5 and those fractions with a denominator of a multiple of denominator of a multiple of	simple fractions, decimals and percentages, including in different contexts e.g. one piece of cake that has been cut into 5 equal slices can be
					Write percentages as a fraction with denominator 100 Mrite percentages as a decimal. Solve word problems which require knowing percentage and decimal equivalents of 1/2, 1/4, 1/5, 2/5, 4/5 and those fractions with a denominator of a multiple of denominator of a multiple of	simple fractions, decimals and percentages, including in different contexts e.g. one piece of cake that has been cut into 5 equal slices can be expressed as 1/5 or 0.2 or
					Write percentages as a fraction with denominator 100 Mrite percentages as a decimal. Solve word problems which require knowing percentage and decimal equivalents of 1/2, 1/4, 1/5, 2/5, 4/5 and those fractions with a denominator of a multiple of denominator of a multiple of	simple fractions, decimals and percentages, including in different contexts e.g. one piece of cake that has been cut into 5 equal slices can be expressed as 1/5 or 0.2 or 20% of the whole cake.
					Write percentages as a fraction with denominator 100 Mrite percentages as a decimal. Solve word problems which require knowing percentage and decimal equivalents of 1/2, 1/4, 1/5, 2/5, 4/5 and those fractions with a denominator of a multiple of denominator of a multiple of	simple fractions, decimals and percentages, including in different contexts e.g. one piece of cake that has been cut into 5 equal slices can be expressed as 1/5 or 0.2 or 20% of the whole cake.
	To be able to compare size (his little large small tall	Compare lengths and heights			Write percentages as a fraction with denominator 100 Mrite percentages as a decimal. Solve word problems which require knowing percentage and decimal equivalents of 1/2, 1/4, 1/5, 2/5, 4/5 and those fractions with a denominator of a multiple of denominator of a multiple of	simple fractions, decimals and percentages, including in different contexts e.g. one piece of cake that has been cut into 5 equal slices can be expressed as 1/5 or 0.2 or 20% of the whole cake.
ength, height,	(big, little, large, small, tall,	e.g. long/short,			Write percentages as a fraction with denominator 100 Mrite percentages as a decimal. Solve word problems which require knowing percentage and decimal equivalents of 1/2, 1/4, 1/5, 2/5, 4/5 and those fractions with a denominator of a multiple of denominator of a multiple of	simple fractions, decimals and percentages, including in different contexts e.g. one piece of cake that has been cut into 5 equal slices can be expressed as 1/5 or 0.2 or 20% of the whole cake.
Measurement:L ength, height, capacity, mass,	To be able to compare size (big, little, large, small, tall, shorter, long, wider, narrower)				Write percentages as a fraction with denominator 100 Mrite percentages as a decimal. Solve word problems which require knowing percentage and decimal equivalents of 1/2, 1/4, 1/5, 2/5, 4/5 and those fractions with a denominator of a multiple of denominator of a multiple of	simple fractions, decimals and percentages, including in different contexts e.g. one piece of cake that has been cut into 5 equal slices can be expressed as 1/5 or 0.2 or 20% of the whole cake.
ength, height,	(big, little, large, small, tall, shorter, long, wider,	e.g. long/short, longer/shorter, tall/short,			Write percentages as a fraction with denominator 100 Mrite percentages as a decimal. Solve word problems which require knowing percentage and decimal equivalents of 1/2, 1/4, 1/5, 2/5, 4/5 and those fractions with a denominator of a multiple of denominator of a multiple of	simple fractions, decimals and percentages, including in different contexts e.g. one piece of cake that has been cut into 5 equal slices can be expressed as 1/5 or 0.2 or 20% of the whole cake.
ength, height, capacity, mass,	(big, little, large, small, tall, shorter, long, wider,	e.g. long/short, longer/shorter, tall/short,			Write percentages as a fraction with denominator 100 Mrite percentages as a decimal. Solve word problems which require knowing percentage and decimal equivalents of 1/2, 1/4, 1/5, 2/5, 4/5 and those fractions with a denominator of a multiple of denominator of a multiple of	simple fractions, decimals and percentages, including in different contexts e.g. one piece of cake that has been cut into 5 equal slices can be expressed as 1/5 or 0.2 or 20% of the whole cake.
ength, height, capacity, mass, perimeter, area,	(big, little, large, small, tall, shorter, long, wider,	e.g. long/short, longer/shorter, tall/short, double/half			Write percentages as a fraction with denominator 100 Mrite percentages as a decimal. Solve word problems which require knowing percentage and decimal equivalents of 1/2, 1/4, 1/5, 2/5, 4/5 and those fractions with a denominator of a multiple of denominator of a multiple of	simple fractions, decimals and percentages, including in different contexts e.g. one piece of cake that has been cut into 5 equal slices can be expressed as 1/5 or 0.2 or 20% of the whole cake.
ength, height, capacity, mass, perimeter, area,	(big, little, large, small, tall, shorter, long, wider,	e.g. long/short, longer/shorter, tall/short, double/half Describe lengths and heights e.g. long/short, tall/short,			Write percentages as a fraction with denominator 100 Mrite percentages as a decimal. Solve word problems which require knowing percentage and decimal equivalents of 1/2, 1/4, 1/5, 2/5, 4/5 and those fractions with a denominator of a multiple of denominator of a multiple of	simple fractions, decimals and percentages, including in different contexts e.g. one piece of cake that has been cut into 5 equal slices can be expressed as 1/5 or 0.2 or 20% of the whole cake.
ength, height, capacity, mass, perimeter, area,	(big, little, large, small, tall, shorter, long, wider,	e.g. long/short, longer/shorter, tall/short, double/half Describe lengths and heights e.g. long/short, tall/short, double/half			Write percentages as a fraction with denominator 100 Mrite percentages as a decimal. Solve word problems which require knowing percentage and decimal equivalents of 1/2, 1/4, 1/5, 2/5, 4/5 and those fractions with a denominator of a multiple of denominator of a multiple of	simple fractions, decimals and percentages, including in different contexts e.g. one piece of cake that has been cut into 5 equal slices can be expressed as 1/5 or 0.2 or 20% of the whole cake.
ength, height, capacity, mass, perimeter, area,	(big, little, large, small, tall, shorter, long, wider,	e.g. long/short, longer/shorter, tall/short, double/half Describe lengths and heights e.g. long/short, tall/short,			Write percentages as a fraction with denominator 100 Mrite percentages as a decimal. Solve word problems which require knowing percentage and decimal equivalents of 1/2, 1/4, 1/5, 2/5, 4/5 and those fractions with a denominator of a multiple of denominator of a multiple of	simple fractions, decimals and percentages, including in different contexts e.g. one piece of cake that has been cut into 5 equal slices can be expressed as 1/5 or 0.2 or 20% of the whole cake.
ength, height, capacity, mass, perimeter, area,	(big, little, large, small, tall, shorter, long, wider,	e.g. long/short, longer/shorter, tall/short, double/half Describe lengths and heights e.g. long/short, tall/short, double/half Solve practical problems for lengths and heights e.g. long/short, long/short, long/short, long			Write percentages as a fraction with denominator 100 Mrite percentages as a decimal. Solve word problems which require knowing percentage and decimal equivalents of 1/2, 1/4, 1/5, 2/5, 4/5 and those fractions with a denominator of a multiple of denominator of a multiple of	simple fractions, decimals and percentages, including in different contexts e.g. one piece of cake that has been cut into 5 equal slices can be expressed as 1/5 or 0.2 or 20% of the whole cake.
ength, height, capacity, mass, perimeter, area,	(big, little, large, small, tall, shorter, long, wider, narrower)	e.g. long/short, longer/shorter, tall/short, double/half Describe lengths and heights e.g. long/short, tall/short, double/half Solve practical problems for lengths and heights e.g. long/short, longer/shorter, tall/short double/half			Write percentages as a fraction with denominator 100 Mrite percentages as a decimal. Solve word problems which require knowing percentage and decimal equivalents of 1/2, 1/4, 1/5, 2/5, 4/5 and those fractions with a denominator of a multiple of denominator of a multiple of	simple fractions, decimals and percentages, including in different contexts e.g. one piece of cake that has been cut into 5 equal slices can be expressed as 1/5 or 0.2 or 20% of the whole cake.
ength, height, capacity, mass, perimeter, area,	(big, little, large, small, tall, shorter, long, wider, narrower) To be able to compare mass	e.g. long/short, longer/shorter, tall/short, double/half Describe lengths and heights e.g. long/short, tall/short, double/half Solve practical problems for lengths and heights e.g. long/short, long/short, long/short, long			Write percentages as a fraction with denominator 100 Mrite percentages as a decimal. Solve word problems which require knowing percentage and decimal equivalents of 1/2, 1/4, 1/5, 2/5, 4/5 and those fractions with a denominator of a multiple of denominator of a multiple of	simple fractions, decimals and percentages, including in different contexts e.g. one piece of cake that has been cut into 5 equal slices can be expressed as 1/5 or 0.2 or 20% of the whole cake.
ength, height, capacity, mass, perimeter, area,	(big, little, large, small, tall, shorter, long, wider, narrower)	e.g. long/short, longer/shorter, tall/short, double/half Describe lengths and heights e.g. long/short, tall/short, double/half Solve practical problems for lengths and heights e.g. long/short, longer/shorter, tall/short-double/half Compare mass/weight e.g. heavy/light, heavier than, lighter than			Write percentages as a fraction with denominator 100 Mrite percentages as a decimal. Solve word problems which require knowing percentage and decimal equivalents of 1/2, 1/4, 1/5, 2/5, 4/5 and those fractions with a denominator of a multiple of denominator of a multiple of	simple fractions, decimals and percentages, including in different contexts e.g. one piece of cake that has been cut into 5 equal slices can be expressed as 1/5 or 0.2 or 20% of the whole cake.
ength, height, capacity, mass, perimeter, area,	(big, little, large, small, tall, shorter, long, wider, narrower) To be able to compare mass	e.g. long/short, longer/shorter, tall/short, double/half Describe lengths and heights e.g. long/short, tall/short, double/half Solve practical problems for lengths and heights e.g. long/short, longer/shorter, tall/short.double/half Compare mass/weight e.g. heavy/light, heavier than, liehter than.			Write percentages as a fraction with denominator 100 Mrite percentages as a decimal. Solve word problems which require knowing percentage and decimal equivalents of 1/2, 1/4, 1/5, 2/5, 4/5 and those fractions with a denominator of a multiple of denominator of a multiple of	simple fractions, decimals and percentages, including in different contexts e.g. one piece of cake that has been cut into 5 equal slices can be expressed as 1/5 or 0.2 or 20% of the whole cake.
ength, height, capacity, mass, perimeter, area,	(big, little, large, small, tall, shorter, long, wider, narrower) To be able to compare mass	e.g. long/short, longer/shorter, tall/short, double/half Describe lengths and heights e.g. long/short, tall/short, double/half Solve practical problems for lengths and heights e.g. long/short, longer/shorter, tall/short d			Write percentages as a fraction with denominator 100 Mrite percentages as a decimal. Solve word problems which require knowing percentage and decimal equivalents of 1/2, 1/4, 1/5, 2/5, 4/5 and those fractions with a denominator of a multiple of denominator of a multiple of	simple fractions, decimals and percentages, including in different contexts e.g. one piece of cake that has been cut into 5 equal slices can be expressed as 1/5 or 0.2 or 20% of the whole cake.
ength, height, capacity, mass, perimeter, area,	(big, little, large, small, tall, shorter, long, wider, narrower) To be able to compare mass	e.g. long/short, longer/shorter, tall/short, double/half Describe lengths and heights e.g. long/short, tall/short, double/half Solve practical problems for lengths and heights e.g. long/short, longer/shorter, tall/short. double/half Compare mass/weight e.g. heavy/light, heavier than, lighter than Describe mass/weight e.g. heavy/light, heavier than, lighter, than Solve practical problems for			Write percentages as a fraction with denominator 100 Mrite percentages as a decimal. Solve word problems which require knowing percentage and decimal equivalents of 1/2, 1/4, 1/5, 2/5, 4/5 and those fractions with a denominator of a multiple of denominator of a multiple of	simple fractions, decimals and percentages, including in different contexts e.g. one piece of cake that has been cut into 5 equal slices can be expressed as 1/5 or 0.2 or 20% of the whole cake.
ength, height, capacity, mass, perimeter, area,	(big, little, large, small, tall, shorter, long, wider, narrower) To be able to compare mass	e.g. long/short, longer/shorter, tall/short, double/half Describe lengths and heights e.g. long/short, tall/short, double/half Solve practical problems for lengths and heights e.g. long/short, longer/shorter, tall/short dnuble/half Compare mass/weight e.g. heavy/light, heavier than, lighter than Describe mass/weight e.g. heavy/light, heavier than, lighter than, Solve practical problems for mass/weight e.g. heavy/light,			Write percentages as a fraction with denominator 100 Mrite percentages as a decimal. Solve word problems which require knowing percentage and decimal equivalents of 1/2, 1/4, 1/5, 2/5, 4/5 and those fractions with a denominator of a multiple of denominator of a multiple of	simple fractions, decimals and percentages, including in different contexts e.g. one piece of cake that has been cut into 5 equal slices can be expressed as 1/5 or 0.2 or 20% of the whole cake.
ength, height, capacity, mass, erimeter, area,	(big, little, large, small, tall, shorter, long, wider, narrower) To be able to compare mass	e.g. long/short, longer/shorter, tall/short, double/half Describe lengths and heights e.g. long/short, tall/short, double/half Solve practical problems for lengths and heights e.g. long/short, longer/shorter, tall/short. double/half Compare mass/weight e.g. heavy/light, heavier than, lighter than Describe mass/weight e.g. heavy/light, heavier than, lighter, than Solve practical problems for			Write percentages as a fraction with denominator 100 Mrite percentages as a decimal. Solve word problems which require knowing percentage and decimal equivalents of 1/2, 1/4, 1/5, 2/5, 4/5 and those fractions with a denominator of a multiple of denominator of a multiple of	simple fractions, decimals and percentages, including in different contexts e.g. one piece of cake that has been cut into 5 equal slices can be expressed as 1/5 or 0.2 or 20% of the whole cake.

	m 1 11 1 1 1 1 1		1				
	To be able to compare length and height (longer, shorter and taller, shorter)						
					Find the area of rectilinear		
					shapes by counting squares	Use approximate	
						equivalences between metric	
						units and common imperial units such as inches, pounds	
						and nints	
Time	To be able to order key events in the day	Recognise and use language relating to dates, including					
	events in the day	days of the week, weeks,					
		months and years.					
	To be able to use language to	Know the days of the week	Know the number of minutes	Know the number of seconds	Convert between different		
	describe events in a day	,	in an hour	in a minute	units of measure e.g. hour to		
	(morning, afternoon, before, after, today, tomorrow)				minute.		
	To be able to use language to describe times in the day	Know the months of the year	Know the number of hours in a day.	Know the number of days in each month			
	('now, before, later, soon')		,				
		Compare time (quicker, slower. earlier. later)		Know the number of days in a year and leap year.			
		Sequence events in		Use vocabulary such as			
		chronological order using language e.g. before and		o'clock, a.m./p.m., morning, afternoon, noon and			
		after, next, first, today,		midnight.			
		yesterday, tomorrow,					
		morning, afternoon and					
		Record time using equipment (hours, minutes, seconds).		Tell the time from an analogue clock to the nearest			
		(nours, minutes, seconds).		minute (eg 26 minutes past)			
				Tell the time from an			
				analogue clock, including using Roman numerals from I			
				to XII			
		Solve practical problems for time		Tell the time from digital 12- hour clocks	Read the time from a digital 24-hour clock		
		Choose which unit to			Convert time between		
		measure time (hours, minutes, seconds).			analogue and digital 12-hour clocks		
					Convert time between analogue and 24-hour clocks		
					analogue and 24-nour clocks		
Chatistics			Interpret simple pictograms	Interpret bar charts	Interpret discrete and	Complete information in	Interpret pie charts
Statistics			interpret simple pictograms	interpret bar charts	continuous data using	tables, including timetables.	interpret pie charts
					appropriate graphical		
					appropriate graphical methods, including bar charts		
			Interpret tally charts	Interpret pictograms	appropriate graphical	Read information in tables,	Interpret line graphs
					appropriate graphical methods, including bar charts	Read information in tables, including timetables.	Interpret line graphs
			Interpret tally charts Interpret block diagrams	Interpret pictograms Interpret tables.	appropriate graphical methods, including bar charts	Read information in tables,	Interpret line graphs
					appropriate graphical methods, including bar charts	Read information in tables, including timetables. Interpret information in	Interpret line graphs
			Interpret block diagrams		appropriate graphical methods, including bar charts	Read information in tables, including timetables. Interpret information in	Interpret line graphs Construct pie charts
			Interpret block diagrams	Interpret tables.	appropriate graphical methods, including bar charts and time graphs Present discrete and continuous data using	Read information in tables, including timetables. Interpret information in	
			Interpret block diagrams Interpret simple tables Construct simple pictograms	Interpret tables. Present data using bar charts	appropriate graphical methods, including bar charts and time graphs	Read information in tables, including timetables. Interpret information in	Construct pie charts
			Interpret block diagrams Interpret simple tables Construct simple pictograms Construct tally charts	Interpret tables. Present data using bar charts Present data using bictoerams.	appropriate graphical methods, including bar charts and time graphs Present discrete and continuous data using appropriate graphical	Read information in tables, including timetables. Interpret information in	
			Interpret block diagrams Interpret simple tables Construct simple pictograms Construct tally charts Construct block diagrams	Interpret tables. Present data using bar charts Present data using	appropriate graphical methods, including bar charts and time graphs Present discrete and continuous data using appropriate graphical	Read information in tables, including timetables. Interpret information in	Construct pie charts
			Interpret block diagrams Interpret simple tables Construct simple pictograms Construct tally charts	Interpret tables. Present data using bar charts Present data using bictoerams.	appropriate graphical methods, including bar charts and time graphs Present discrete and continuous data using appropriate graphical	Read information in tables, including timetables. Interpret information in	Construct pie charts
Share	To be able to pame circles	Recognise and name	Interpret block diagrams Interpret simple tables Construct simple pictograms Construct tally charts Construct block diagrams Construct simple tables	Present data using bar charts Present data using oictorams. Present data using tables.	appropriate graphical methods, including bar charts and time graphs Present discrete and continuous data using appropriate graphical methods, including bar charts and time graphic.	Read information in tables, including timetables. Interpret information in tables, including timetables.	Construct pie charts
Shape	To be able to name circles, triangles, squares and	Recognise and name common 2-D shapes e.g.	Interpret block diagrams Interpret simple tables Construct simple pictograms Construct tally charts Construct block diagrams Construct simple tables Identify the properties of 2-D shapes, including the number	Present data using bar charts Present data using oictorams. Present data using tables.	appropriate graphical methods, including bar charts and time graphs Present discrete and continuous data using appropriate graphical methods, including bar charts and time acceptance. Identify lines of symmetry in 2 D shapes presented in	Read information in tables, including timetables. Interpret information in tables, including timetables. Interpret information in tables, including timetables. Distinguish between regular and irregular polygons based	Construct pie charts
Shape		common 2-D shapes e.g. rectangles (including	Interpret block diagrams Interpret simple tables Construct simple pictograms Construct tally charts Construct block diagrams Construct simple tables Identify the properties of 2-D shapes, including the number of sides and line symmetry in of sides and line symmetry in 6	Present data using bar charts Present data using oictorams. Present data using tables.	appropriate graphical methods, including bar charts and time graphs Present discrete and continuous data using appropriate graphical methods, including bar charts and time arranhe.	Read information in tables, including timetables. Interpret information in tables, including timetables. Interpret information in tables, including timetables. Distinguish between regular and irregular polygons based on reasoning about equal	Construct pie charts
Shape	triangles, squares and	common 2-D shapes e.g. rectangles (including squares), circles and	Interpret block diagrams Interpret simple tables Construct simple pictograms Construct tally charts Construct block diagrams Construct simple tables Identify the properties of 2-D shapes, including the number	Present data using bar charts Present data using oictorams. Present data using tables.	appropriate graphical methods, including bar charts and time graphs Present discrete and continuous data using appropriate graphical methods, including bar charts and time acceptance. Identify lines of symmetry in 2 D shapes presented in	Read information in tables, including timetables. Interpret information in tables, including timetables. Interpret information in tables, including timetables. Distinguish between regular and irregular polygons based	Construct pie charts
Shape	triangles, squares and	common 2-D shapes e.g. rectangles (including squares), circles and triangles. Recognise and name	Interpret block diagrams Interpret simple tables Construct simple pictograms Construct tally charts Construct block diagrams Construct simple tables Identify the properties of 2-D shapes, including the number of sides and line symmetry in a vertical line. Identify the properties of 3-D in	Present data using bar charts Present data using objectorams. Present data using tables. Draw 2-D shapes Recognise 3-D shapes in	appropriate graphical methods, including bar charts and time graphs Present discrete and continuous data using appropriate graphical methods, including bar charts and time account.	Read information in tables, including timetables. Interpret information in tables, including timetables. Interpret information in tables, including timetables. Distinguish between regular and irregular polygons based on reasoning about equal sides and angles. Identify 3-D shapes, including Identify 3-D shapes, including	Construct pie charts Construct line graphs Recognise, describe and build
Shape	triangles, squares and	common 2-D shapes e.g. rectangles (including squares), circles and triangles. Recognise and name common 3-D shapes e.g.	Interpret block diagrams Interpret simple tables Construct simple pictograms Construct tally charts Construct block diagrams Construct block diagrams Construct simple tables Identify the properties of 2-D shapes, including the number of sides and line symmetry in a vertical line. Identify the properties of 3-D shapes, including the properties of 3-D shapes, including the number	Present data using bar charts Present data using bar charts Present data using oictoerams. Present data using tables. Draw 2-D shapes Recognise 3-D shapes in different orientations and	appropriate graphical methods, including bar charts and time graphs Present discrete and continuous data using appropriate graphical methods, including bar charts and time account.	Read information in tables, including timetables. Interpret information in tables, including timetables. Distinguish between regular and irregular polygons based on reasoning about equal sides and angles. Identify 3-D shapes, including cubes and other cuboids,	Construct pie charts Construct line graphs Construct line graphs Recognise, describe and build simple 3-0 shapes, including
Shape	triangles, squares and	common 2-D shapes e.g. rectangles (including squares), circles and triangles. Recognise and name	Interpret block diagrams Interpret simple tables Construct simple pictograms Construct tally charts Construct block diagrams Construct simple tables Identify the properties of 2-D shapes, including the number of sides and line symmetry in a vertical line. Identify the properties of 3-D in	Present data using bar charts Present data using bar charts Present data using oictoerams. Present data using tables. Draw 2-D shapes Recognise 3-D shapes in different orientations and describe them	appropriate graphical methods, including bar charts and time graphs Present discrete and continuous data using appropriate graphical methods, including bar charts and time account.	Read information in tables, including timetables. Interpret information in tables, including timetables. Interpret information in tables, including timetables. Distinguish between regular and irregular polygons based on reasoning about equal sides and angles. Identify 3-D shapes, including Identify 3-D shapes, including	Construct pie charts Construct line graphs Recognise, describe and build
Shape	triangles, squares and	common 2-D shapes e.g. rectangles (including squares), circles and triangles. Recognise and name common 3-D shapes e.g.	Interpret block diagrams Interpret simple tables Construct simple pictograms Construct tally charts Construct block diagrams Construct block diagrams Construct simple tables Identify the properties of 2-D shapes, including the number of sides and line symmetry in a vertical line. Identify the properties of 3-D shapes, including the properties of 3-D shapes, including the number	Present data using bar charts Present data using bar charts Present data using oictoerams. Present data using tables. Draw 2-D shapes Recognise 3-D shapes in different orientations and	appropriate graphical methods, including bar charts and time graphs Present discrete and continuous data using appropriate graphical methods, including bar charts and time account.	Read information in tables, including timetables. Interpret information in tables, including timetables. Distinguish between regular and irregular polygons based on reasoning about equal sides and angles. Identify 3-D shapes, including cubes and other cuboids,	Construct pie charts Construct line graphs Recognise, describe and build simple 3-0 shapes, including

To understand which shapes			
roll and stack To be able to identify curved and straight sides in shapes		Compare geometric shapes, including quadrilaterals and triangles, based on their properties and sizes.	Compare geometric shapes based on their properties and sizes
		Classify geometric shapes,	Classify geometric shapes
		including quadrilaterals and triangles, based on their properties and sizes.	based on their properties and sizes
To be able to combine and separate shapes to make	Identify 2-D shapes on the surface of 3-D shapes e.g. a	Complete a simple symmetric figure with respect to a	
different shapes	circle on a cylinder and a	specific line of symmetry	
	triangle on a nyramid Compare common 2-D		
	shapes and everyday objects describing similarities and differences e.g. find 2 different 2-D shapes that only have one line of symmetry; that a cube and a cuboid have the same number of edges, faces and vertices and describe what is different		
	about them. Sort common 2-D shapes and		
	sort common? As shapes and everyday objects describing similarities and differences e.g. find 2 different 2-D shapes that only have one line of symmetry; that a cube and a cuboid have the same number of edges, faces and vertices and describe what is different about them.		
	Compare common 3-D shapes and everyday objects describing similarities and differences e.g. find 2 different 2-D shapes that only have one line of symmetry; that a cube and a cuboid have the same number of edges, faces and vertices and describe what is different about them.		
	Sort common 3-D shapes and everyday objects describing similarities and differences e.g. find 2 different 2-D shapes that only have one line of symmetry; that a cube and a cuboid have the same number of edges, faces and vertices and describe what is different about them.		

					Recognise where angles are	Know angles are measured in	
					greater than two right angles.	degrees	
					Know the term straight angle	Estimate acute, obtuse and	
					referring to two right angles	reflex angles	
					together	Teriex ungles	
					tozethei	Compare acute, obtuse and	
						reflex angles	
						Draw given angles, and	Draw 2-D shapes using given
						measure them in degrees (°).	dimensions and angles.
			Order combinations of mathematical objects in patterns and sequences.				
	To be able to sort objects		Arrange combinations of mathematical objects in patterns and sequences.				
	To be able to match objects						
				Identify vertical lines			
				Identify horizontal lines			
				Identify pairs of perpendicular			
				lines.			
				Identify pairs of parallel lines.			
Position and Direction	To be able to describe where are objects are	Describe position (above and below)			Describe positions on a 2-D grid as coordinates in the first quadrant.	Describe 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
	To be able to use positional language to describe where objects are in relation to	Describe direction (left, right, forwards, backwards)					
	ather items To be able to place objects in different positions				Describe movements between positions as translations of a given unit to the left/right and up/down.	Identify the position of a shape following a reflection or translation, using the appropriate language, and know that the shape has not changed.	
						Represent the position of a shape following a reflection or translation, using the appropriate language, and know that the shape has not changed.	Translate simple shapes on the coordinate plane
					Plot specified points and draw sides to complete a given		Draw simple shapes on the coordinate plane
							Reflect simple shapes in the
	To be able to copy and continue simple patterns (number, shape, measure)						axis
	To be able to create simple patterns (number, shape, measure)						