TERM 1A		TERM 1B		TERM 2A		TERM 2B		TERM 3A		TERM
Number: Place value Number: Fractions, decimals and percentages		Number: Addition and subtraction/multiplication and division Number: Fractions, decimals and percentages		Geometry: Properties of shape/position and direction Number: Fractions, decimals and percentages		Number: Fractions, decimals and percentages Number: Algebra		Measurement Number: Ratio and proportion Statistics		3B Continued on from
		•			I					Term 3A
Key knowledge	Key skills	Key knowledge	Key skills	Key knowledge	Key skills	Key knowledge	Key skills	Key knowledge	Key skills	
To know ten ones are called	To be able to read, write,	To know addition is	To be able to multiply multi-	To know that on a four-	To be able to describe	To know the % symbol is	To be able to solve	To know metric and	To be able to solve	
one ten.	order and compare	commutative; subtraction is	digit numbers up to 4 digits	quadrant grid, when	positions on the full	used to represent	problems involving the	imperial measurements are	problems involving the	
	numbers up to 10,000,000	not.	by a two-digit whole	reading right and up from	coordinate grid (all four	percentage.	calculation of percentages	used in different places	calculation and conversion	
To know ten tens are called	and determine the value of		number using the formal	the origin, the coordinates	quadrants).		(for example, of measures,	throughout the world.	of units of measure, using	
one hundred.	each digit.	To know the language of	written method of long	are positive numbers; when		To know percent means	and such as 15% of 360) and		decimal notation up to	
		addition: addend plus	multiplication.	reading left and down from	To be able to draw and	number of parts per	the use of percentages for	+ 1000	three decimal places where	
To know ten hundreds are	To be able to round any	addend is equivalent to	marapheación.	the origin, the coordinates	translate simple shapes on	hundred.	comparison.	+ 1000	appropriate.	
called one thousand.	whole number to a required	sum/total.	To be able to divide	are negative.	the coordinate plane, and	nanarea.		grams (g) kilograms (kg) tonnes (i	арргорпасе.	
called offe triousaria.	•	,		are negative.		To know a persontago is a	To be able to recall and use	× 1000	To be able to use road	
	degree of accuracy.	To know the whole can be	numbers up to 4 digits by a		reflect them in the axes.	To know a percentage is a	equivalences between		To be able to use, read,	
To know ten thousands are		found by adding the parts.	two-digit whole number	To know a translation is		way of expressing a fraction	simple fractions, decimals	1 mile ~ 1.6 km	write and convert between	
called one ten thousand.	To be able to use negative	Tourid by adding the parts.	using the formal written	where an object is moved to	To be able to draw 2D	or decimal as parts of a	and percentages, including	5 miles ~ 8 km	standard units, converting	
	numbers in context, and		method of long division,	a new position without	shapes using given	hundred.	in different contexts.		measurements of length,	
To know ten thousands are	calculate intervals across	To know when the whole	and interpret remainders as	being turned or reflected.	dimensions and angles.		in amerene concesses.	1 inch ~ 2.5 cm	mass, volume and time	
called one hundred	zero.	and one of the parts is	whole number remainders,	The translated image is the		To know percentages have	To be able to solve	2.2 pounds ~ 1 kg	from a smaller unit of	
thousand.		known, the other part can	fractions, or by rounding, as	same size and shape as the	To be able to recognise,	fraction and decimal		1 gallon ~ 4.5 litres	measure to a larger unit,	
	To be able to solve number	be worked out.	appropriate for the context.	original object.	describe and build simple	equivalents.	problems involving the		and vice versa, using	
To know one hundred	and practical problems that		pp ap and an analysis	5 - 3	3D shapes, including making	1	relative sizes of two	To know perimeter is a	decimal notation up to	
thousands are called one	involve all of the above.	To know the language of	To be able to divide	To know a reflection is	nets.	To know 1%, 10% and 50%	quantities where missing	measurement of distance.	three decimal places.	
million.	voive an of the above.	subtraction: minuend				· ·	values can be found by	Area is a measurement of	ance acciniai piaces.	
minon.	To be able to identify the	subtract subtrahend is	numbers up to 4 digits by a	where each point is mapped	To be able to seem to the	are helpful percentages to	using integer multiplication	space.	To be able to server	
	To be able to identify the	equivalent to difference.	two-digit number using the	to a corresponding point.	To be able to compare and	use when finding	and division facts.	space.	To be able to convert	
To know ten one millions	value of each digit in	equivalent to unference.	formal written method of	These are an equal distance	classify geometric shapes	percentages of numbers.		To know area of a rectangle	between miles and	
are called ten million.	numbers given to three	To loo our moultindication in	short division where	and at right angles to a	based on their properties		To be able to solve		kilometres.	
	decimal places and multiply	To know multiplication is	appropriate, interpreting	mirror line. The size and	and sizes and find unknown	To know a linear number	problems involving similar	= length x width.		
To know the value of digits	and divide numbers by 10,	commutative, division is	remainders according to the	angles of the reflected	angles in any triangles,	sequence is where each	shapes where the scale		To be able to recognise that	
becomes ten times bigger	100 and 1,000 giving	not.	context.	image stay the same as the	quadrilaterals, and regular	value increases or	factor is known or can be	To know perimeter of a	shapes with the same areas	
as digits move to the left.	answers up to three decimal			original object; its sense has	polygons.	decreases by the same	found.	rectangle = (length + width)	can have different	
To know the value of digits become ten times smaller as digits move to the right.	places.	To know long multiplication	To be able to perform	changed in that the image is		amount.	Touria.	x 2.	perimeters and vice versa.	
To know the value of digits		and division are methods of	mental calculations,	back to front.	To be able to illustrate and					
become ten times smaller	To be able to divide powers	multiplying and dividing	including with mixed		name parts of circles,	To know each number in a	To be able to solve	To know area of a triangle =	To be able to recognise	
as digits move to the right.	of 10. from 1 hundredth to	large numbers without a	operations and large	To know there are several	including radius, diameter	linear number sequence is	problems involving unequal	base x perpendicular height	when it is possible to use	
as digits move to the right.	10 million, into 2, 4, 5 and	calculator.	numbers.	types of angles, classified by	and circumference and	called a term.	sharing and grouping using	÷ 2.	formulae for area and	
To know the value of a digit			numbers.	their size.	know that the diameter is		knowledge of fractions and		volume of shapes.	
•	10 equal parts, and read	To know the remainder is	To be oblighted to the self of	their size.		To know the constant	multiples.	To know shapes with the	volume of snapes.	
relies on its place in the	scales/number lines with	the amount left over when	To be able to identify		twice the radius.	change between each		same area can have		
number.	labelled intervals divided	one number does not divide	common factors, common	To know a whole turn (full		number is called the term to	To be able to use simple	different perimeters and	To be able to calculate the	
	into 2, 4, 5 and 10 equal		multiples and prime	turn or complete turn) is	To be able to recognise	term rule. This is found by	formulae.	'	area of parallelograms and	
To know negative numbers	parts.	equally into another. This	numbers.	equal to 360°.	angles where they meet at a	finding the difference		vice versa.	triangles.	
are below zero.		can sometimes be rounded			point, are on a straight line,	between each adjacent	To be able to generate and			
		up and sometimes rounded	To be able to use	To know a right angle is a	or are vertically opposite,	term.	describe linear number	To know area of a	To be able to calculate,	
To know negative numbers		down, according to context.	knowledge of the order of	quarter of a full turn and	and find missing angles.			parallelogram = base x	estimate and compare	
are less than zero.			operations to carry out	equal to 90°. Lines that		To know an expression is a	sequences.	perpendicular height.	volume of cubes and	
		To know BIDMAS tells us	calculations involving the	meet at a right angle are	To be able to associate a	group of numbers, letters	Ta ha able to some		cuboids using standard	
To know positive numbers		the order in which	four operations.	described as perpendicular.	fraction with division and	and operation symbols.	To be able to express	To know volume can be	units, including cubic	
are above zero.		operations should be			calculate decimal fraction		missing number problems	calculated by counting	centimetres (cm3) and cubic	
		carried out.	To be able to solve addition	To know a straight angle is	equivalents (for example,	To know an equation is a	algebraically.	cubes or by multiplying the	metres (m3), and extending	
To know positive numbers			and subtraction multi-step	half a full turn and equal to	0.375) for a simple fraction	number statement with an		length by the width by the	to other units [for example,	
· ·		To know estimating helps us	problems in contexts,	180°.		equal sign. Expressions on	To be able to find pairs of	height.		
are greater than zero.		to get a rough idea of a	' '	180 .	(for example, %).	either side are equal.	numbers that satisfy an		mm3 and km3].	
		calculation. We round	deciding which operations				equation with two	To know area is measured		
To know zero is neither			and methods to use and	To know an acute angle is	To be able to multiply one-	To know a formula is a	unknowns.	1	To be able to interpret and	
positive or negative.		numbers in the calculation	why.	any angle smaller than a	digit numbers with up to	special type of equation		in the unit squared.	construct pie charts and line	
		to make it easier.		right angle.	two decimal places by	that shows the relationship	To be able to enumerate		graphs and use these to	
To know for both positive			To be able to use estimation		whole numbers.	between different variables.	possibilities of combinations	To know volume is	solve problems.	
and negative numbers, the		To know a common	to check answers to	To know an obtuse angle is		They are often used in	of two variables.	measured in the unit cubed.		
larger the value of the		multiple is a number that is	calculations and determine,	an angle greater than a right	To be able to use written	geometry to find area and	o. two variables.		To be able to calculate and	
number, the further it is		a multiple of two or more	in the context of a problem,	angle but smaller than a	division methods in cases	volume.		To know ratio is when you	interpret the mean as an	
from zero.		other numbers	an appropriate degree of	straight angle.	where the answer has up to			compare one part to	average.	
			accuracy.		two decimal places.	To know in an equation		another part.		
To know when rounding to		To know a common factor is		To know a reflex angle is		with two unknown				
a given value, the		a number that divides	To be able to use common	any angle greater than a	To be able to solve	numbers, there may be		To know proportion is when		
•		exactly into two or more			problems which require	several possible values for		you compare one part to		
immediate digit to the right		other numbers.	factors to simplify fractions.	straight angle.	l	the unknowns that will		the whole. Writing them as		
is the one to consider. If it is			To be able to use servers		answers to be rounded to	balance the equation.		a fraction will help.		
four or less, we round down		To know a prima number	To be able to use common	To know angles at a point	specified degrees of	To be seen a seen seen		a fraction will fierp.		
to the previous multiple; if		To know a prime number	multiples to express	are formed when any	accuracy.	To know enumerating		To know ratio tables are		
it is five or more we round		can only be divided by 1 and	fractions in the same denomination.	number of lines meet at a		means making a complete		To know ratio tables can		
up to the next multiple.		itself. The first ten prime	denomination.			list of answers to a problem.		help us find missing values		
1								when solving problems.		

To know 10,000 and 100,000 can be divided into two, four, five and ten equal parts and these units are used in graphing and measure contexts.

To know ten tenths is equivalent to one whole.

To know one hundred hundredths is equivalent to one whole.

To know one thousand thousandths is equivalent to one whole.

To know when a number is multiplied by ten, the digits move one place to the left.

To know when a number is divided by ten, the digits move one place to the right.

To know when a number is multiplied by one hundred the digits move two places to the left.

To know when a number is divided by one hundred the digits move two places to the right.

To know when a number is multiplied by one thousand the digits move three places to the left.

To know when a number is divided by one thousand the digits move three places to the right.

To know powers of ten (from hundredths to ten million) can be divided into two, four, five and ten equal parts and these units are used in graphing and measure contexts.

numbers are 2, 3, 5, 7, 11, 13, 17, 19, 23, 29.

To know when a whole is divided into equal parts each part is a fraction of the whole.

To know a fraction can be expressed as one number written above another ¾.

To know the bottom part of the fraction is the denominator. This represents the total number of equal parts. The numerator is the top part of the fraction; this represents the number of parts being considered.

To know equivalent fractions refer to the same proportion of the whole but are written in different ways.

To know equivalent fractions can be calculated by multiplying or dividing the numerator and denominator by the same amount.

To know when the numerator and denominator are divided by the same number, this is called cancelling or simplifying.

To know an easy way to compare and order fractions is by expressing them with the lowest common denominator (the lowest multiple of both denominators).

To know a unit fraction has a numerator of one.

To know a proper fraction is less than one whole and has a numerator that is lower than the denominator.

To know an improper fraction is more than a whole unit; the numerator is higher than the denominator.

To know a mixed number consists of a whole number and a fraction; mixed numbers can also be expressed as improper fractions.

To be able to compare and order fractions, including fractions > 1.

To be able to add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions.

To be able to multiply simple pairs of proper fractions, writing the answer in its simplest form (for example, ½ x ½ = ½);

To be able to divide proper fractions by whole numbers (for example, $\frac{1}{2} \div 2 = \frac{1}{2}$).

point. These angles add up to 360°.

To know vertically opposite angles are on opposite sides of the point where two lines cross. These pairs of angles are always equal.

To know angles in a triangle add up to 180 degrees.

To know angles in a quadrilateral add up to 360 degrees.

To know you can calculate the sum of the interior angles of a polygon by subtracting 2 from the number of sides and multiplying this by 180.

To know a circle is a 2D shape. The perimeter of a circle is called the circumference. The distance across the middle is the diameter. The distance from the centre to the circumference is the radius. The radius is half the diameter.

To know a net is what a 3D shape would look like if it was unfolded.

To know a 3D shape has three dimensions – length, width and depth. A polyhedron is a 3D shape with flat faces. Spheres, cylinders and cones are not polyhedrons because they have curved surfaces.

To know a protractor is used to measure angles and help us construct 2D shapes.

To know any fraction can be converted to a decimal by dividing the numerator by the denominator.

To know some fractions can be converted to thousandths in order to convert to a decimal.

To know if there is a decimal point in the number being multiplied, put a decimal point in the product. Line it up with the decimal point in the number being multiplied.

To know in algebra, missing numbers in equations are represented by letters. This is often written like as an x that looks like this: **.

To know a similar shape is a shape where each dimension of the shape has been increased or decreased by the same factor.

To know to increase a shape by a given scale factor, simply multiply each dimension by the same amount.

To know a line graph is a graph where points are plotted and joined by a series of straight lines. The title tells you what the line graph shows. The labels on the axes explain what they represent and give the units that are used (as appropriate).

To know pie charts represent discrete data. A circle is divided into segments, where each segment represents a data category. The size of each segment represents its proportion of the total unit.

To know the mean is the average set of data. To find the mean (or average), add up all the values to find the total. Divide the total by the number of values that you added together. This will give you the mean.

									1	
		To know to add fractions,		To know in short division, if						
		express each fraction in		there is a decimal point in						
		terms of the lowest		the dividend, put a decimal						
		1								
		common denominator and		point in the quotient; line it						
		add the numerators		up with the decimal point in						
		together.		the dividend.						
		together.		the dividend.						
		To know to subtract a								
		fraction, express each								
		fraction in terms of the								
		lowest common								
		denominator and subtract								
		the numerators.								
		the numerators.								
		To know to multiply a								
		fraction, multiply the								
		numerators together and								
		then multiply the								
		denominators together.								
		To know to divide a fraction								
		by a whole number, you can								
		change it to an equivalent								
		multiplication. To divide by								
		5, we can multiply by one								
		fifth.								
		To know when dividing								
		fractions by whole								
		numbers, if the divisor is a								
		factor of the numerator,								
		simply divide the numerator								
		by the divisor and leave the								
		denominator the same.								
		To know to find the whole								
1										
		when the fraction is known,								
		when the fraction is known,								
		when the fraction is known, find the size of each equal								
		when the fraction is known, find the size of each equal part and multiply by how								
		when the fraction is known, find the size of each equal								
		when the fraction is known, find the size of each equal part and multiply by how								
Kovyoczbulary (tier 2)	Kov vocahulary (tior 2)	when the fraction is known, find the size of each equal part and multiply by how many parts in total.	Kov vocabulary (tier 2)	Kov vocahulary (tior 2)	Kov vocabulary (tion 2)	Kov vocahularu (tior 2)	Kov vocabulary (tier 2)	Kov vocabulary (tior 2)	Kov vocahulary (tior 2)	
Key vocabulary (tier 2)	Key vocabulary (tier 3)	when the fraction is known, find the size of each equal part and multiply by how many parts in total. Key vocabulary (tier 2)	Key vocabulary (tier 3)	Key vocabulary (tier 2)	Key vocabulary (tier 3)	Key vocabulary (tier 2)	Key vocabulary (tier 3)	Key vocabulary (tier 2)	Key vocabulary (tier 3)	
compare	Key vocabulary (tier 3)	when the fraction is known, find the size of each equal part and multiply by how many parts in total. Key vocabulary (tier 2) add	Key vocabulary (tier 3)	acute	Key vocabulary (tier 3)	Key vocabulary (tier 2) compare	Key vocabulary (tier 3)	area	Key vocabulary (tier 3)	
compare	Key vocabulary (tier 3)	when the fraction is known, find the size of each equal part and multiply by how many parts in total. Key vocabulary (tier 2)	Key vocabulary (tier 3)	acute	Key vocabulary (tier 3)	compare	Key vocabulary (tier 3)	area	Key vocabulary (tier 3)	
compare decimal place	Key vocabulary (tier 3)	when the fraction is known, find the size of each equal part and multiply by how many parts in total. Key vocabulary (tier 2) add addend	Key vocabulary (tier 3)	acute angle	Key vocabulary (tier 3)	compare convert	Key vocabulary (tier 3)	area bar chart	Key vocabulary (tier 3)	
compare decimal place digit	Key vocabulary (tier 3)	when the fraction is known, find the size of each equal part and multiply by how many parts in total. Key vocabulary (tier 2) add addend altogether	Key vocabulary (tier 3)	acute angle apex	Key vocabulary (tier 3)	compare convert discount	Key vocabulary (tier 3)	area bar chart capacity	Key vocabulary (tier 3)	
compare decimal place digit greater than	Key vocabulary (tier 3)	when the fraction is known, find the size of each equal part and multiply by how many parts in total. Key vocabulary (tier 2) add addend altogether bidmas (brackets, indices,	Key vocabulary (tier 3)	acute angle apex axes	Key vocabulary (tier 3)	compare convert discount equation	Key vocabulary (tier 3)	area bar chart capacity centimetre	Key vocabulary (tier 3)	
compare decimal place digit	Key vocabulary (tier 3)	when the fraction is known, find the size of each equal part and multiply by how many parts in total. Key vocabulary (tier 2) add addend altogether bidmas (brackets, indices, division, multiplication,	Key vocabulary (tier 3)	acute angle apex	Key vocabulary (tier 3)	compare convert discount	Key vocabulary (tier 3)	area bar chart capacity	Key vocabulary (tier 3)	
compare decimal place digit greater than	Key vocabulary (tier 3)	when the fraction is known, find the size of each equal part and multiply by how many parts in total. Key vocabulary (tier 2) add addend altogether bidmas (brackets, indices, division, multiplication, addition, subtraction)	Key vocabulary (tier 3)	acute angle apex axes	Key vocabulary (tier 3)	compare convert discount equation equivalent decimal	Key vocabulary (tier 3)	area bar chart capacity centimetre	Key vocabulary (tier 3)	
compare decimal place digit greater than hundred thousands hundreds	Key vocabulary (tier 3)	when the fraction is known, find the size of each equal part and multiply by how many parts in total. Key vocabulary (tier 2) add addend altogether bidmas (brackets, indices, division, multiplication, addition, subtraction) common denominator	Key vocabulary (tier 3)	acute angle apex axes circumference co-ordinate	Key vocabulary (tier 3)	compare convert discount equation equivalent decimal equivalent fraction	Key vocabulary (tier 3)	area bar chart capacity centimetre comparison continuous data	Key vocabulary (tier 3)	
compare decimal place digit greater than hundred thousands hundreds hundredths	Key vocabulary (tier 3)	when the fraction is known, find the size of each equal part and multiply by how many parts in total. Key vocabulary (tier 2) add addend altogether bidmas (brackets, indices, division, multiplication, addition, subtraction)	Key vocabulary (tier 3)	acute angle apex axes circumference co-ordinate decimal fraction	Key vocabulary (tier 3)	compare convert discount equation equivalent decimal equivalent fraction expression	Key vocabulary (tier 3)	area bar chart capacity centimetre comparison continuous data cubic units	Key vocabulary (tier 3)	
compare decimal place digit greater than hundred thousands hundreds hundredths interval	Key vocabulary (tier 3)	when the fraction is known, find the size of each equal part and multiply by how many parts in total. Key vocabulary (tier 2) add addend altogether bidmas (brackets, indices, division, multiplication, addition, subtraction) common denominator decimal equivalent	Key vocabulary (tier 3)	acute angle apex axes circumference co-ordinate decimal fraction decimal place	Key vocabulary (tier 3)	compare convert discount equation equivalent decimal equivalent fraction expression formula	Key vocabulary (tier 3)	area bar chart capacity centimetre comparison continuous data cubic units difference	Key vocabulary (tier 3)	
compare decimal place digit greater than hundred thousands hundreds hundredths	Key vocabulary (tier 3)	when the fraction is known, find the size of each equal part and multiply by how many parts in total. Key vocabulary (tier 2) add addend altogether bidmas (brackets, indices, division, multiplication, addition, subtraction) common denominator decimal equivalent commutative	Key vocabulary (tier 3)	acute angle apex axes circumference co-ordinate decimal fraction decimal place diameter	Key vocabulary (tier 3)	compare convert discount equation equivalent decimal equivalent fraction expression	Key vocabulary (tier 3)	area bar chart capacity centimetre comparison continuous data cubic units	Key vocabulary (tier 3)	
compare decimal place digit greater than hundred thousands hundreds hundredths interval less than	Key vocabulary (tier 3)	when the fraction is known, find the size of each equal part and multiply by how many parts in total. Key vocabulary (tier 2) add addend altogether bidmas (brackets, indices, division, multiplication, addition, subtraction) common denominator decimal equivalent commutative decrease	Key vocabulary (tier 3)	acute angle apex axes circumference co-ordinate decimal fraction decimal place diameter	Key vocabulary (tier 3)	compare convert discount equation equivalent decimal equivalent fraction expression formula list of possibilities	Key vocabulary (tier 3)	area bar chart capacity centimetre comparison continuous data cubic units difference discrete data	Key vocabulary (tier 3)	
compare decimal place digit greater than hundred thousands hundreds hundredths interval less than millions	Key vocabulary (tier 3)	when the fraction is known, find the size of each equal part and multiply by how many parts in total. Key vocabulary (tier 2) add addend altogether bidmas (brackets, indices, division, multiplication, addition, subtraction) common denominator decimal equivalent commutative decrease denominator	Key vocabulary (tier 3)	acute angle apex axes circumference co-ordinate decimal fraction decimal place diameter edge	Key vocabulary (tier 3)	compare convert discount equation equivalent decimal equivalent fraction expression formula list of possibilities (enumerate)	Key vocabulary (tier 3)	area bar chart capacity centimetre comparison continuous data cubic units difference discrete data enlargement	Key vocabulary (tier 3)	
compare decimal place digit greater than hundred thousands hundreds hundredths interval less than millions negative number	Key vocabulary (tier 3)	when the fraction is known, find the size of each equal part and multiply by how many parts in total. Key vocabulary (tier 2) add addend altogether bidmas (brackets, indices, division, multiplication, addition, subtraction) common denominator decimal equivalent commutative decrease denominator difference	Key vocabulary (tier 3)	acute angle apex axes circumference co-ordinate decimal fraction decimal place diameter edge equal to. fraction	Key vocabulary (tier 3)	compare convert discount equation equivalent decimal equivalent fraction expression formula list of possibilities (enumerate) order	Key vocabulary (tier 3)	area bar chart capacity centimetre comparison continuous data cubic units difference discrete data enlargement foot	Key vocabulary (tier 3)	
compare decimal place digit greater than hundred thousands hundreds hundredths interval less than millions negative number ones	Key vocabulary (tier 3)	when the fraction is known, find the size of each equal part and multiply by how many parts in total. Key vocabulary (tier 2) add addend altogether bidmas (brackets, indices, division, multiplication, addition, subtraction) common denominator decimal equivalent commutative decrease denominator difference divide	Key vocabulary (tier 3)	acute angle apex axes circumference co-ordinate decimal fraction decimal place diameter edge equal to. fraction equilateral	Key vocabulary (tier 3)	compare convert discount equation equivalent decimal equivalent fraction expression formula list of possibilities (enumerate) order pairs of unknowns	Key vocabulary (tier 3)	area bar chart capacity centimetre comparison continuous data cubic units difference discrete data enlargement foot for everythere are	Key vocabulary (tier 3)	
compare decimal place digit greater than hundred thousands hundreds hundredths interval less than millions negative number	Key vocabulary (tier 3)	when the fraction is known, find the size of each equal part and multiply by how many parts in total. Key vocabulary (tier 2) add addend altogether bidmas (brackets, indices, division, multiplication, addition, subtraction) common denominator decimal equivalent commutative decrease denominator difference	Key vocabulary (tier 3)	acute angle apex axes circumference co-ordinate decimal fraction decimal place diameter edge equal to. fraction equilateral	Key vocabulary (tier 3)	compare convert discount equation equivalent decimal equivalent fraction expression formula list of possibilities (enumerate) order pairs of unknowns	Key vocabulary (tier 3)	area bar chart capacity centimetre comparison continuous data cubic units difference discrete data enlargement foot for everythere are	Key vocabulary (tier 3)	
compare decimal place digit greater than hundred thousands hundreds hundredths interval less than millions negative number ones partition	Key vocabulary (tier 3)	when the fraction is known, find the size of each equal part and multiply by how many parts in total. Key vocabulary (tier 2) add addend altogether bidmas (brackets, indices, division, multiplication, addition, subtraction) common denominator decimal equivalent commutative decrease denominator difference divide dividend	Key vocabulary (tier 3)	acute angle apex axes circumference co-ordinate decimal fraction decimal place diameter edge equal to. fraction equilateral equivalent	Key vocabulary (tier 3)	compare convert discount equation equivalent decimal equivalent fraction expression formula list of possibilities (enumerate) order pairs of unknowns per cent (out of)	Key vocabulary (tier 3)	area bar chart capacity centimetre comparison continuous data cubic units difference discrete data enlargement foot for everythere are frequency table	Key vocabulary (tier 3)	
compare decimal place digit greater than hundred thousands hundreds hundredths interval less than millions negative number ones partition round	Key vocabulary (tier 3)	when the fraction is known, find the size of each equal part and multiply by how many parts in total. Key vocabulary (tier 2) add addend altogether bidmas (brackets, indices, division, multiplication, addition, subtraction) common denominator decimal equivalent commutative decrease denominator difference divide dividend divisor	Key vocabulary (tier 3)	acute angle apex axes circumference co-ordinate decimal fraction decimal place diameter edge equal to. fraction equilateral equivalent faces	Key vocabulary (tier 3)	compare convert discount equation equivalent decimal equivalent fraction expression formula list of possibilities (enumerate) order pairs of unknowns per cent (out of) percentage	Key vocabulary (tier 3)	area bar chart capacity centimetre comparison continuous data cubic units difference discrete data enlargement foot for everythere are frequency table gallon	Key vocabulary (tier 3)	
compare decimal place digit greater than hundred thousands hundreds hundredths interval less than millions negative number ones partition round rounded	Key vocabulary (tier 3)	when the fraction is known, find the size of each equal part and multiply by how many parts in total. Key vocabulary (tier 2) add addend altogether bidmas (brackets, indices, division, multiplication, addition, subtraction) common denominator decimal equivalent commutative decrease denominator difference divide dividend divisor equation	Key vocabulary (tier 3)	acute angle apex axes circumference co-ordinate decimal fraction decimal place diameter edge equal to. fraction equilateral equivalent faces horizontal	Key vocabulary (tier 3)	compare convert discount equation equivalent decimal equivalent fraction expression formula list of possibilities (enumerate) order pairs of unknowns per cent (out of) percentage substitution	Key vocabulary (tier 3)	area bar chart capacity centimetre comparison continuous data cubic units difference discrete data enlargement foot for everythere are frequency table gallon gram	Key vocabulary (tier 3)	
compare decimal place digit greater than hundred thousands hundreds hundredths interval less than millions negative number ones partition round	Key vocabulary (tier 3)	when the fraction is known, find the size of each equal part and multiply by how many parts in total. Key vocabulary (tier 2) add addend altogether bidmas (brackets, indices, division, multiplication, addition, subtraction) common denominator decimal equivalent commutative decrease denominator difference divide dividend divisor equation equivalence	Key vocabulary (tier 3)	acute angle apex axes circumference co-ordinate decimal fraction decimal place diameter edge equal to. fraction equilateral equivalent faces	Key vocabulary (tier 3)	compare convert discount equation equivalent decimal equivalent fraction expression formula list of possibilities (enumerate) order pairs of unknowns per cent (out of) percentage	Key vocabulary (tier 3)	area bar chart capacity centimetre comparison continuous data cubic units difference discrete data enlargement foot for everythere are frequency table gallon	Key vocabulary (tier 3)	
compare decimal place digit greater than hundred thousands hundreds hundredths interval less than millions negative number ones partition round rounded sequence	Key vocabulary (tier 3)	when the fraction is known, find the size of each equal part and multiply by how many parts in total. Key vocabulary (tier 2) add addend altogether bidmas (brackets, indices, division, multiplication, addition, subtraction) common denominator decimal equivalent commutative decrease denominator difference divide dividend divisor equation equivalence equivalent	Key vocabulary (tier 3)	acute angle apex axes circumference co-ordinate decimal fraction decimal place diameter edge equal to. fraction equilateral equivalent faces horizontal hundredth	Key vocabulary (tier 3)	compare convert discount equation equivalent decimal equivalent fraction expression formula list of possibilities (enumerate) order pairs of unknowns per cent (out of) percentage substitution	Key vocabulary (tier 3)	area bar chart capacity centimetre comparison continuous data cubic units difference discrete data enlargement foot for everythere are frequency table gallon gram inch	Key vocabulary (tier 3)	
compare decimal place digit greater than hundred thousands hundreds hundredths interval less than millions negative number ones partition round rounded sequence ten millions	Key vocabulary (tier 3)	when the fraction is known, find the size of each equal part and multiply by how many parts in total. Key vocabulary (tier 2) add addend altogether bidmas (brackets, indices, division, multiplication, addition, subtraction) common denominator decimal equivalent commutative decrease denominator difference divide dividend divisor equation equivalence	Key vocabulary (tier 3)	acute angle apex axes circumference co-ordinate decimal fraction decimal place diameter edge equal to. fraction equilateral equivalent faces horizontal hundredth irregular	Key vocabulary (tier 3)	compare convert discount equation equivalent decimal equivalent fraction expression formula list of possibilities (enumerate) order pairs of unknowns per cent (out of) percentage substitution term unknown	Key vocabulary (tier 3)	area bar chart capacity centimetre comparison continuous data cubic units difference discrete data enlargement foot for everythere are frequency table gallon gram inch interpret	Key vocabulary (tier 3)	
compare decimal place digit greater than hundred thousands hundreds hundredths interval less than millions negative number ones partition round rounded sequence ten millions ten thousands	Key vocabulary (tier 3)	when the fraction is known, find the size of each equal part and multiply by how many parts in total. Key vocabulary (tier 2) add addend altogether bidmas (brackets, indices, division, multiplication, addition, subtraction) common denominator decimal equivalent commutative decrease denominator difference divide dividend divisor equation equivalence equivalent exchange	Key vocabulary (tier 3)	acute angle apex axes circumference co-ordinate decimal fraction decimal place diameter edge equal to. fraction equilateral equivalent faces horizontal hundredth irregular isosceles	Key vocabulary (tier 3)	compare convert discount equation equivalent decimal equivalent fraction expression formula list of possibilities (enumerate) order pairs of unknowns per cent (out of) percentage substitution term unknown variable	Key vocabulary (tier 3)	area bar chart capacity centimetre comparison continuous data cubic units difference discrete data enlargement foot for everythere are frequency table gallon gram inch interpret kilogram	Key vocabulary (tier 3)	
compare decimal place digit greater than hundred thousands hundreds hundredths interval less than millions negative number ones partition round rounded sequence ten millions ten thousands tens	Key vocabulary (tier 3)	when the fraction is known, find the size of each equal part and multiply by how many parts in total. Key vocabulary (tier 2) add addend altogether bidmas (brackets, indices, division, multiplication, addition, subtraction) common denominator decimal equivalent commutative decrease denominator difference divide dividend divisor equation equivalence equivalent exchange expression	Key vocabulary (tier 3)	acute angle apex axes circumference co-ordinate decimal fraction decimal place diameter edge equal to. fraction equilateral equivalent faces horizontal hundredth irregular isosceles obtuse	Key vocabulary (tier 3)	compare convert discount equation equivalent decimal equivalent fraction expression formula list of possibilities (enumerate) order pairs of unknowns per cent (out of) percentage substitution term unknown	Key vocabulary (tier 3)	area bar chart capacity centimetre comparison continuous data cubic units difference discrete data enlargement foot for everythere are frequency table gallon gram inch interpret kilogram kilometre	Key vocabulary (tier 3)	
compare decimal place digit greater than hundred thousands hundreds hundredths interval less than millions negative number ones partition round rounded sequence ten millions ten thousands	Key vocabulary (tier 3)	when the fraction is known, find the size of each equal part and multiply by how many parts in total. Key vocabulary (tier 2) add addend altogether bidmas (brackets, indices, division, multiplication, addition, subtraction) common denominator decimal equivalent commutative decrease denominator difference divide dividend divisor equation equivalence equivalent exchange expression factor	Key vocabulary (tier 3)	acute angle apex axes circumference co-ordinate decimal fraction decimal place diameter edge equal to. fraction equilateral equivalent faces horizontal hundredth irregular isosceles	Key vocabulary (tier 3)	compare convert discount equation equivalent decimal equivalent fraction expression formula list of possibilities (enumerate) order pairs of unknowns per cent (out of) percentage substitution term unknown variable	Key vocabulary (tier 3)	area bar chart capacity centimetre comparison continuous data cubic units difference discrete data enlargement foot for everythere are frequency table gallon gram inch interpret kilogram	Key vocabulary (tier 3)	
compare decimal place digit greater than hundred thousands hundreds hundredths interval less than millions negative number ones partition round rounded sequence ten millions ten thousands tens tenths	Key vocabulary (tier 3)	when the fraction is known, find the size of each equal part and multiply by how many parts in total. Key vocabulary (tier 2) add addend altogether bidmas (brackets, indices, division, multiplication, addition, subtraction) common denominator decimal equivalent commutative decrease denominator difference divide dividend divisor equation equivalence equivalent exchange expression factor highest/lowest common	Key vocabulary (tier 3)	acute angle apex axes circumference co-ordinate decimal fraction decimal place diameter edge equal to. fraction equilateral equivalent faces horizontal hundredth irregular isosceles obtuse parallel	Key vocabulary (tier 3)	compare convert discount equation equivalent decimal equivalent fraction expression formula list of possibilities (enumerate) order pairs of unknowns per cent (out of) percentage substitution term unknown variable	Key vocabulary (tier 3)	area bar chart capacity centimetre comparison continuous data cubic units difference discrete data enlargement foot for everythere are frequency table gallon gram inch interpret kilogram kilometre length	Key vocabulary (tier 3)	
compare decimal place digit greater than hundred thousands hundreds hundredths interval less than millions negative number ones partition round rounded sequence ten millions ten thousands tens tenths thousands	Key vocabulary (tier 3)	when the fraction is known, find the size of each equal part and multiply by how many parts in total. Key vocabulary (tier 2) add addend altogether bidmas (brackets, indices, division, multiplication, addition, subtraction) common denominator decimal equivalent commutative decrease denominator difference divide dividend divisor equation equivalence equivalent exchange expression factor highest/lowest common multiple	Key vocabulary (tier 3)	acute angle apex axes circumference co-ordinate decimal fraction decimal place diameter edge equal to. fraction equilateral equivalent faces horizontal hundredth irregular isosceles obtuse parallel parallelogram	Key vocabulary (tier 3)	compare convert discount equation equivalent decimal equivalent fraction expression formula list of possibilities (enumerate) order pairs of unknowns per cent (out of) percentage substitution term unknown variable	Key vocabulary (tier 3)	area bar chart capacity centimetre comparison continuous data cubic units difference discrete data enlargement foot for everythere are frequency table gallon gram inch interpret kilogram kilometre length line graph	Key vocabulary (tier 3)	
compare decimal place digit greater than hundred thousands hundreds hundredths interval less than millions negative number ones partition round rounded sequence ten millions ten thousands tens tenths	Key vocabulary (tier 3)	when the fraction is known, find the size of each equal part and multiply by how many parts in total. Key vocabulary (tier 2) add addend altogether bidmas (brackets, indices, division, multiplication, addition, subtraction) common denominator decimal equivalent commutative decrease denominator difference divide dividend divisor equation equivalence equivalent exchange expression factor highest/lowest common	Key vocabulary (tier 3)	acute angle apex axes circumference co-ordinate decimal fraction decimal place diameter edge equal to. fraction equilateral equivalent faces horizontal hundredth irregular isosceles obtuse parallel parallelogram perpendicular	Key vocabulary (tier 3)	compare convert discount equation equivalent decimal equivalent fraction expression formula list of possibilities (enumerate) order pairs of unknowns per cent (out of) percentage substitution term unknown variable	Key vocabulary (tier 3)	area bar chart capacity centimetre comparison continuous data cubic units difference discrete data enlargement foot for everythere are frequency table gallon gram inch interpret kilogram kilometre length line graph litre	Key vocabulary (tier 3)	
compare decimal place digit greater than hundred thousands hundreds hundredths interval less than millions negative number ones partition round rounded sequence ten millions ten thousands tens tenths thousands	Key vocabulary (tier 3)	when the fraction is known, find the size of each equal part and multiply by how many parts in total. Key vocabulary (tier 2) add addend altogether bidmas (brackets, indices, division, multiplication, addition, subtraction) common denominator decimal equivalent commutative decrease denominator difference divide dividend divisor equation equivalence equivalent exchange expression factor highest/lowest common multiple improper fractions	Key vocabulary (tier 3)	acute angle apex axes circumference co-ordinate decimal fraction decimal place diameter edge equal to. fraction equilateral equivalent faces horizontal hundredth irregular isosceles obtuse parallel parallelogram perpendicular polygon	Key vocabulary (tier 3)	compare convert discount equation equivalent decimal equivalent fraction expression formula list of possibilities (enumerate) order pairs of unknowns per cent (out of) percentage substitution term unknown variable	Key vocabulary (tier 3)	area bar chart capacity centimetre comparison continuous data cubic units difference discrete data enlargement foot for everythere are frequency table gallon gram inch interpret kilogram kilometre length line graph	Key vocabulary (tier 3)	
compare decimal place digit greater than hundred thousands hundreds hundredths interval less than millions negative number ones partition round rounded sequence ten millions ten thousands tens tenths thousands	Key vocabulary (tier 3)	when the fraction is known, find the size of each equal part and multiply by how many parts in total. Key vocabulary (tier 2) add addend altogether bidmas (brackets, indices, division, multiplication, addition, subtraction) common denominator decimal equivalent commutative decrease denominator difference divide dividend divisor equation equivalent exchange expression factor highest/lowest common multiple improper fractions increase	Key vocabulary (tier 3)	acute angle apex axes circumference co-ordinate decimal fraction decimal place diameter edge equal to. fraction equilateral equivalent faces horizontal hundredth irregular isosceles obtuse parallel parallelogram perpendicular polygon	Key vocabulary (tier 3)	compare convert discount equation equivalent decimal equivalent fraction expression formula list of possibilities (enumerate) order pairs of unknowns per cent (out of) percentage substitution term unknown variable	Key vocabulary (tier 3)	area bar chart capacity centimetre comparison continuous data cubic units difference discrete data enlargement foot for everythere are frequency table gallon gram inch interpret kilogram kilometre length line graph litre mass	Key vocabulary (tier 3)	
compare decimal place digit greater than hundred thousands hundreds hundredths interval less than millions negative number ones partition round rounded sequence ten millions ten thousands tens tenths thousands	Key vocabulary (tier 3)	when the fraction is known, find the size of each equal part and multiply by how many parts in total. Key vocabulary (tier 2) add addend altogether bidmas (brackets, indices, division, multiplication, addition, subtraction) common denominator decimal equivalent commutative decrease denominator difference divide dividend divisor equation equivalence equivalent exchange expression factor highest/lowest common multiple improper fractions increase inverse	Key vocabulary (tier 3)	acute angle apex axes circumference co-ordinate decimal fraction decimal place diameter edge equal to. fraction equilateral equivalent faces horizontal hundredth irregular isosceles obtuse parallel parallelogram perpendicular polygon portioning	Key vocabulary (tier 3)	compare convert discount equation equivalent decimal equivalent fraction expression formula list of possibilities (enumerate) order pairs of unknowns per cent (out of) percentage substitution term unknown variable	Key vocabulary (tier 3)	area bar chart capacity centimetre comparison continuous data cubic units difference discrete data enlargement foot for everythere are frequency table gallon gram inch interpret kilogram kilometre length line graph litre mass mean average	Key vocabulary (tier 3)	
compare decimal place digit greater than hundred thousands hundreds hundredths interval less than millions negative number ones partition round rounded sequence ten millions ten thousands tens tenths thousands	Key vocabulary (tier 3)	when the fraction is known, find the size of each equal part and multiply by how many parts in total. Key vocabulary (tier 2) add addend altogether bidmas (brackets, indices, division, multiplication, addition, subtraction) common denominator decimal equivalent commutative decrease denominator difference divide dividend divisor equation equivalence equivalent exchange expression factor highest/lowest common multiple improper fractions increase inverse less	Key vocabulary (tier 3)	acute angle apex axes circumference co-ordinate decimal fraction decimal place diameter edge equal to. fraction equilateral equivalent faces horizontal hundredth irregular isosceles obtuse parallel parallelogram perpendicular polygon portioning protractor	Key vocabulary (tier 3)	compare convert discount equation equivalent decimal equivalent fraction expression formula list of possibilities (enumerate) order pairs of unknowns per cent (out of) percentage substitution term unknown variable	Key vocabulary (tier 3)	area bar chart capacity centimetre comparison continuous data cubic units difference discrete data enlargement foot for everythere are frequency table gallon gram inch interpret kilogram kilometre length line graph litre mass mean average median	Key vocabulary (tier 3)	
compare decimal place digit greater than hundred thousands hundreds hundredths interval less than millions negative number ones partition round rounded sequence ten millions ten thousands tens tenths thousands	Key vocabulary (tier 3)	when the fraction is known, find the size of each equal part and multiply by how many parts in total. Key vocabulary (tier 2) add addend altogether bidmas (brackets, indices, division, multiplication, addition, subtraction) common denominator decimal equivalent commutative decrease denominator difference divide dividend divisor equation equivalent exchange expression factor highest/lowest common multiple improper fractions increase inverse less long/short	Key vocabulary (tier 3)	acute angle apex axes circumference co-ordinate decimal fraction decimal place diameter edge equal to. fraction equilateral equivalent faces horizontal hundredth irregular isosceles obtuse parallel parallelogram perpendicular polygon portioning protractor quadrant	Key vocabulary (tier 3)	compare convert discount equation equivalent decimal equivalent fraction expression formula list of possibilities (enumerate) order pairs of unknowns per cent (out of) percentage substitution term unknown variable	Key vocabulary (tier 3)	area bar chart capacity centimetre comparison continuous data cubic units difference discrete data enlargement foot for everythere are frequency table gallon gram inch interpret kilogram kilometre length line graph litre mass mean average median millilitre	Key vocabulary (tier 3)	
compare decimal place digit greater than hundred thousands hundreds hundredths interval less than millions negative number ones partition round rounded sequence ten millions ten thousands tens tenths thousands	Key vocabulary (tier 3)	when the fraction is known, find the size of each equal part and multiply by how many parts in total. Key vocabulary (tier 2) add addend altogether bidmas (brackets, indices, division, multiplication, addition, subtraction) common denominator decimal equivalent commutative decrease denominator difference divide dividend divisor equation equivalence equivalent exchange expression factor highest/lowest common multiple improper fractions increase inverse less	Key vocabulary (tier 3)	acute angle apex axes circumference co-ordinate decimal fraction decimal place diameter edge equal to. fraction equilateral equivalent faces horizontal hundredth irregular isosceles obtuse parallel parallelogram perpendicular polygon portioning protractor	Key vocabulary (tier 3)	compare convert discount equation equivalent decimal equivalent fraction expression formula list of possibilities (enumerate) order pairs of unknowns per cent (out of) percentage substitution term unknown variable	Key vocabulary (tier 3)	area bar chart capacity centimetre comparison continuous data cubic units difference discrete data enlargement foot for everythere are frequency table gallon gram inch interpret kilogram kilometre length line graph litre mass mean average median	Key vocabulary (tier 3)	
compare decimal place digit greater than hundred thousands hundreds hundredths interval less than millions negative number ones partition round rounded sequence ten millions ten thousands tens tenths thousands	Key vocabulary (tier 3)	when the fraction is known, find the size of each equal part and multiply by how many parts in total. Key vocabulary (tier 2) add addend altogether bidmas (brackets, indices, division, multiplication, addition, subtraction) common denominator decimal equivalent commutative decrease denominator difference divide dividend divisor equation equivalence equivalent exchange expression factor highest/lowest common multiple improper fractions increase inverse less long/short minuend	Key vocabulary (tier 3)	acute angle apex axes circumference co-ordinate decimal fraction decimal place diameter edge equal to. fraction equilateral equivalent faces horizontal hundredth irregular isosceles obtuse parallel parallelogram perpendicular polygon portioning protractor quadrant radius	Key vocabulary (tier 3)	compare convert discount equation equivalent decimal equivalent fraction expression formula list of possibilities (enumerate) order pairs of unknowns per cent (out of) percentage substitution term unknown variable	Key vocabulary (tier 3)	area bar chart capacity centimetre comparison continuous data cubic units difference discrete data enlargement foot for everythere are frequency table gallon gram inch interpret kilogram kilometre length line graph litre mass mean average median millilitre millimetre	Key vocabulary (tier 3)	
compare decimal place digit greater than hundred thousands hundreds hundredths interval less than millions negative number ones partition round rounded sequence ten millions ten thousands tens tenths thousands	Key vocabulary (tier 3)	when the fraction is known, find the size of each equal part and multiply by how many parts in total. Key vocabulary (tier 2) add addend altogether bidmas (brackets, indices, division, multiplication, addition, subtraction) common denominator decimal equivalent commutative decrease denominator difference divide dividend divisor equation equivalence equivalent exchange expression factor highest/lowest common multiple improper fractions increase inverse less long/short minuend minus	Key vocabulary (tier 3)	acute angle apex axes circumference co-ordinate decimal fraction decimal place diameter edge equal to. fraction equilateral equivalent faces horizontal hundredth irregular isosceles obtuse parallel parallelogram perpendicular polygon portioning protractor quadrant radius recurring	Key vocabulary (tier 3)	compare convert discount equation equivalent decimal equivalent fraction expression formula list of possibilities (enumerate) order pairs of unknowns per cent (out of) percentage substitution term unknown variable	Key vocabulary (tier 3)	area bar chart capacity centimetre comparison continuous data cubic units difference discrete data enlargement foot for everythere are frequency table gallon gram inch interpret kilogram kilometre length line graph litre mass mean average median millilitre millimetre mode	Key vocabulary (tier 3)	
compare decimal place digit greater than hundred thousands hundreds hundredths interval less than millions negative number ones partition round rounded sequence ten millions ten thousands tens tenths thousands	Key vocabulary (tier 3)	when the fraction is known, find the size of each equal part and multiply by how many parts in total. Key vocabulary (tier 2) add addend altogether bidmas (brackets, indices, division, multiplication, addition, subtraction) common denominator decimal equivalent commutative decrease denominator difference divide dividend divisor equation equivalence equivalent exchange expression factor highest/lowest common multiple improper fractions increase inverse less long/short minuend	Key vocabulary (tier 3)	acute angle apex axes circumference co-ordinate decimal fraction decimal place diameter edge equal to. fraction equilateral equivalent faces horizontal hundredth irregular isosceles obtuse parallel parallelogram perpendicular polygon portioning protractor quadrant radius	Key vocabulary (tier 3)	compare convert discount equation equivalent decimal equivalent fraction expression formula list of possibilities (enumerate) order pairs of unknowns per cent (out of) percentage substitution term unknown variable	Key vocabulary (tier 3)	area bar chart capacity centimetre comparison continuous data cubic units difference discrete data enlargement foot for everythere are frequency table gallon gram inch interpret kilogram kilometre length line graph litre mass mean average median millilitre millimetre	Key vocabulary (tier 3)	

multiplicat multiplicat multiplier multiply numerator operation plus product proper fra quotient regroup remainder simplest fo simplify subtract subtrahen sum total whole nun	regrouping regular remainder right-angle rotate rounding scalene sharing tenth thousandth three-dimension translate trapezium two-dimensional vertex		part perimeter pictogram pie chart pint pound proportion ratio rectilinear scale factor similar shapes stone sum tally chart volume whole width	
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