		Plot coordinates and read scales	FROM 1	<u>то</u> 5	
09/09/2019	9.1 Coordinates	Substitute into a formula.  Halve a number.  Substitute into an equation, and solve for an unknown.	2	3	Find the midpoint of a line segment.  Recognise, name and plot straight-line graphs parallel to the as
	9.2 Linear graphs	Use a function machine. Read scales	2	3	Generate and plot coordinates from a rule. Plot straight-line graphs from tables of values.
16/09/2019	9.3 Gradient	Understand that parallel lines will never meet. Identify which line is steepest.	1	4	Draw graphs to represent relationships.  Find the gradient of a line.  Identify and interpret the gradient from an equation.
	9.4 y = mx + c	Understand that in a linear equation, the coefficient of x is the gradient. Understand that parallel lines have the same gradient.	4	4	Understand that parallel lines have the same gradient.  Understand what m and c represent in y = mx + c.  Find the equations of straight-line graphs.
23/09/2010	9.5 Real-life graphs	Draw a line with a given gradient. Interpret scales.	2	4	Find the equations of straight-line graphs.  Sketch graphs given the values of m and c.  Draw and interpret graphs from real data.
	9.6 Distance-time graphs	Draw a graph of an equation in the form $y = mx + c.$ Understand and use the relationship between distance,	3	5	Use distance—time graphs to solve problems.
	9.7 More real-life graphs	average speed and time.  Interpret a distance–time graph.			Draw distance—time graphs. Interpret rate of change graphs. Draw and interpret a range of graphs.
		Recall the definitions of positive, negative and no correlation. Find the equation of a line.			Understand when predictions are reliable.
	10 Transformations	Recall basic shapes.  Be able to plot points in all four quadrants.	2	4	
		Understand the concept of rotation.  Reflect a shape in a mirror line.  Translate a shape on a squared grid using instructions such as left/right and up/down.			
		Draw and recognise lines parallel to axes and y = x, y = -x. Understand the terms 'clockwise' and 'anticlockwise'.			
80/09/2019	10.1 Translation	Use the words left and right List the four types of transformations	4	4	Translate a shape on a coordinate grid. Use a column vector to describe a translation.
07/10/2019	10.2 Reflection	Describe translations using left/right and up/down.  Define the word perpendicular  Reflect a shape in a mirror line.	2	4	Draw a reflection of a shape in a mirror line.  Draw reflections on a coordinate grid.
14/10/2019	10.3 Rotation	Know the number of degrees in fractions of a turn.	3	4	Describe reflections on a coordinate grid.  Rotate a shape on a coordinate grid.
F TERM	10.4 Enlargement	Use the words clockwise and anticlockwise.  Find scale factor from object to image and from image	3	3	Describe a rotation.  Enlarge a shape by a scale factor.
28/10/2019 04/11/2019	10.5 Describing enlargements	to object.  Recognise the properties of enlargements.  Simplify fractions.	3	3	Enlarge a shape using a centre of enlargement.  Identify the scale factor of an enlargement.  Find the centre of enlargement.
	10.6 Combining transformations	State key information for describing transformations.	4	4	Describe an enlargement.  Transform shapes using more than one transformation.
	11 Ratio and proportion	Identify the type of transformation used.  Know the four operations of number.	2	5	Describe combined transformations of shapes on a grid.
		Have a basic understanding of fractions as being 'parts of a whole'. Find the scale factor of an enlargement. Draw a line graph from a table of values.			
11/11/2019	11.1 Writing ratios	Multiply and divide whole numbers. Interpret bar charts.	2	3	Use ratio notation. Write a ratio in its simplest form. Solve problems using ratios.
	11.2 Using ratios 1	Know and use metric conversions. Find the HCF of a pair of numbers.	2	3	Solve simple problems using ratios.
18/11/2019	11.3 Ratios and measures	Convert units of weight, length, capacity and time.  Use index notation.	2		Use ratios to convert between units.  Write and use ratios for shapes and their enlargements.
25/11/2019	11.4 Using ratios 2	Work out areas of recangles and volumes of cubes.  Write ratios using correct notation.  Round to a specified degree of accuracy.	3		Divide a quantity into 2 parts in a given ratio.  Divide a quantity into 3 parts in a given ratio.
02/12/2019	11.5 Comparing using ratios	Write a ratio in its simplest form.  Interpret ratios.  Write a ratio in its simplest form.	3	4	Solve word problems using ratios.  Use ratios involving decimals.  Compare ratios.
09/12/2019	11.6 Using proportion	Understand and use place value to order decimals.	3	3	Solve ratio and proportion problems.  Use the unitary method to solve proportion problems.
	TEST	Write a ratio in the form 1 : n.			Solve proportion problems in words.  Work out which product is better value for money.
D OF TERM 4	11.7 Proportion and graphs	Understand and use y = mx + c. Use conversion graphs. Plot a line graph from a table of values.	3	4	Recognise and use direct proportion on a graph.  Understand the link between the unit ratio and the gradient.
		Relate common sense to real life problems.			Recognise different types of proportion.  Solve word problems involving direct and inverse proportion.
	12 Right-angled triangles	Rearrange simple formulae and equations, as preparation for rearranging trigonometric formulae.	2	5	
		Recall basic angle facts.  Understand when to leave an answer in surd form.  Plot coordinates in all four quadrants and draw axes.			
	12.1 Pythagoras' theorem 1	Round to a specified degree of accuracy.  Calculate of simple squares and square roots.	2	4	Understand Pythagoras' theorem.
		Substitute into and evaluate expressions.  Round answers to a specified degree of accuracy.		-	Calculate the length of the hypotenuse in a right-angled triangle Solve problems using Pythagoras' theorem.
	12.2 Pythagoras' theorem 2	Understand the meaning of ≠.  Interpret a surd expression shown on the calculator display.	4	5	Calculate the length of a line segment AB. Calculate the length of a shorter side in a right-angled triangle.
	12.3 Trigonometry: the sine ratio	Identify the hypotenuse, and calculate its length.  Simplify fractions.	3	5	Understand and recall the sine ratio in right-angled triangles.
, 51,2020		Convert fractions to decimals using a calculator.			Use the sine ratio to calculate the length of a side in a right-ang triangle. Use the sine ratio to solve problems.
	12.4 Trigonometry: the sine ratio 2	Calculate the sine of an angle in a right-angled triangle.  Use the sin key on a calculator.	3		Use the sine ratio to calculate an angle in a right-angled triangle Use the sine ratio to solve problems.
20/01/2020	12.5 Trigonometry: the cosine ratio	Identify the hypotenuse and adjacent side in a right- angled triangle.	3		Understand and recall the cosine ratio in right-angled triangles  Use the cosine ratio to calculate the length of a side in a right-a
- •					Use the cosine ratio to calculate the length of a side in a right-a triangle.  Use the cosine ratio to calculate an angle in a right-angled trian  Use the cosine ratio to solve problems.
	12.6 Trigonometry: the tangent ratio	Identify the opposite and adjacent sides in right-angled triangles.	3	5	Understand and recall the tangent ratio in right-angled triangle  Use the tangent ratio to calculate the length of a side in a right-
					triangle Use the tangent ratio to calculate an angle in a right-angled tria
27/01/2020	12.7 Finding lengths and angles using trigonometry	Identify the sine, cosine and tangent ratios.	4	5	Solve problems using an angle of elevation or depression.  Understand and recall trigonometric ratios in right-angled triar  Use trigonometric ratios to solve problems.
27/01/2020	13 Probability		2	l	Know the exact values of the sine, cosine and tangent of some
	,	Add and multiply fractions and decimals.  Have experience of expressing one number as a fraction or percentage of another number.			
		Convert between fractions, decimals and percentages.  Understand the terms impossible, unlikely, even chance, likely, certain.			
	13.1 Calculating probability	Calculate theoretical probabilities for simple situations, e.g. spinner landing on a given colour.  Write probability as a fraction, a decimal and a	2	3	Calculate simple probabilities from equally likely events.
03/02/2020	13.2 Two events	percentage. Add and subtract fractions.  List outcomes.	3	3	Understand mutually exclusive and exhaustive outcomes.  Use two-way tables to record the outcomes from two events.
	13.3 Experimental probability	Simplify fractions.  Convert fractions, decimals and percentages.  Compare fractions.	2	· -	Work out probabilities from sample space diagrams.  Find and interpret probabilities based on experimental data.  Make predictions from experimental data.
10/02/2020	13.4 Venn diagrams	Understand theoretical probability (single event).  Use two-way tables.  Add and subtracting equivalent fractions.	2	3	Use Venn diagrams to work out probabilities.
24/02/2020	13.5 Tree diagrams	List primes and multiples. Calculate probabilities. Calculate with fractions.	3		Understand the language of sets and Venn diagrams.  Use frequency trees and tree diagrams.
., <b>∠</b> ∪∠U	g. amb	List the possible outcomes for two events.  Work out the probability of something not happening.			Work out probabilities using tree diagrams. Understand independent events.
F TERM 02/03/2020	13.6 More tree diagrams	Calculate probabilities.  Calculate with and simplify fractions.  Work out probabilities using tree diagrams.	3	5	Understand when events are not independent. Solve probability problems involving events that are not independent.
	14 Multiplicative reasoning	and and an analysis and an ana	3		
		Interpret scales on a range of measuring instruments.		5	
		Interpret scales on a range of measuring instruments.  Convert between metric measures.  Understand ratio notation, and be able to write a ratio in its simplest form.		5	
		Convert between metric measures. Understand ratio notation, and be able to write a ratio		5	
		Convert between metric measures. Understand ratio notation, and be able to write a ratio in its simplest form. Find a percentage of an amount and relate percentages to decimals. Rearrange equations and use these to solve problems.  Know speed = distance/time, density = mass/volume. Find the equation of a line from a graph.		5	
09/03/2020	14.1 Percentages	Convert between metric measures. Understand ratio notation, and be able to write a ratio in its simplest form. Find a percentage of an amount and relate percentages to decimals. Rearrange equations and use these to solve problems.  Know speed = distance/time, density = mass/volume.	4	4	Calculate a percentage profit or loss.  Express a given number as a percentage of another in more co
09/03/2020	14.1 Percentages 14.2 Growth and decay	Convert between metric measures. Understand ratio notation, and be able to write a ratio in its simplest form. Find a percentage of an amount and relate percentages to decimals. Rearrange equations and use these to solve problems.  Know speed = distance/time, density = mass/volume. Find the equation of a line from a graph. Identify a graph showing direct proportion.  Convert percentages to decimals. Express one number as a percentage of another.  Work out percentage increases and decreases.  Write powers of numbers in index form.	4	4	Express a given number as a percentage of another in more co situations. Find the original amount given the final amount after a percent increase or decrease Find an amount after repeated percentage change.
	_	Convert between metric measures. Understand ratio notation, and be able to write a ratio in its simplest form. Find a percentage of an amount and relate percentages to decimals. Rearrange equations and use these to solve problems.  Know speed = distance/time, density = mass/volume. Find the equation of a line from a graph. Identify a graph showing direct proportion.  Convert percentages to decimals. Express one number as a percentage of another.  Work out percentage increases and decreases.  Write powers of numbers in index form. Relate percentages to decimals. Understand 'rate' as a mathematical concept. Substitute into and solve equations.		4	Express a given number as a percentage of another in more co situations. Find the original amount given the final amount after a percent increase or decrease
	14.2 Growth and decay	Convert between metric measures. Understand ratio notation, and be able to write a ratio in its simplest form. Find a percentage of an amount and relate percentages to decimals. Rearrange equations and use these to solve problems.  Know speed = distance/time, density = mass/volume. Find the equation of a line from a graph. Identify a graph showing direct proportion.  Convert percentages to decimals. Express one number as a percentage of another.  Work out percentage increases and decreases.  Write powers of numbers in index form. Relate percentages to decimals. Understand 'rate' as a mathematical concept. Substitute into and solve equations. Rearrange equations. Convert between metric units of volume. Calculate the area of a trapezium.	4	4	Express a given number as a percentage of another in more co situations. Find the original amount given the final amount after a percent increase or decrease Find an amount after repeated percentage change. Solve growth and decay problems.
	14.2 Growth and decay	Convert between metric measures. Understand ratio notation, and be able to write a ratio in its simplest form. Find a percentage of an amount and relate percentages to decimals. Rearrange equations and use these to solve problems.  Know speed = distance/time, density = mass/volume. Find the equation of a line from a graph. Identify a graph showing direct proportion.  Convert percentages to decimals.  Express one number as a percentage of another.  Work out percentage increases and decreases.  Write powers of numbers in index form. Relate percentages to decimals.  Understand 'rate' as a mathematical concept. Substitute into and solve equations. Rearrange equations. Convert between metric units of volume. Calculate the area of a trapezium. Calculate the volume of a prism. Find speed in km/h, given distance travelled in minutes.	4	4 4	Express a given number as a percentage of another in more co situations. Find the original amount given the final amount after a percent increase or decrease Find an amount after repeated percentage change. Solve growth and decay problems.  Solve problems involving compound measures.  Convert between metric speed measures.
16/03/2020	14.2 Growth and decay  14.3 Compound measures  14.4 Distance, speed and time  14.5 Direct and inverse	Convert between metric measures. Understand ratio notation, and be able to write a ratio in its simplest form. Find a percentage of an amount and relate percentages to decimals. Rearrange equations and use these to solve problems.  Know speed = distance/time, density = mass/volume. Find the equation of a line from a graph. Identify a graph showing direct proportion.  Convert percentages to decimals. Express one number as a percentage of another.  Work out percentage increases and decreases.  Write powers of numbers in index form. Relate percentages to decimals. Understand 'rate' as a mathematical concept. Substitute into and solve equations. Rearrange equations. Convert between metric units of volume. Calculate the area of a trapezium. Calculate the volume of a prism.	3	4 4	Express a given number as a percentage of another in more co situations. Find the original amount given the final amount after a percent increase or decrease Find an amount after repeated percentage change. Solve growth and decay problems. Solve problems involving compound measures.
23/03/2020	14.2 Growth and decay  14.3 Compound measures  14.4 Distance, speed and time  14.5 Direct and inverse proportion	Convert between metric measures. Understand ratio notation, and be able to write a ratio in its simplest form. Find a percentage of an amount and relate percentages to decimals. Rearrange equations and use these to solve problems.  Know speed = distance/time, density = mass/volume. Find the equation of a line from a graph. Identify a graph showing direct proportion.  Convert percentages to decimals. Express one number as a percentage of another.  Work out percentage increases and decreases.  Write powers of numbers in index form. Relate percentages to decimals. Understand 'rate' as a mathematical concept. Substitute into and solve equations. Rearrange equations. Convert between metric units of volume. Calculate the area of a trapezium. Calculate the volume of a prism. Find speed in km/h, given distance travelled in minutes.  Convert between metric units of length.	3	4 4	Express a given number as a percentage of another in more co situations. Find the original amount given the final amount after a percent increase or decrease Find an amount after repeated percentage change. Solve growth and decay problems.  Solve problems involving compound measures.  Cancellate average speed, distance and time. Use formulae to calculate speed and acceleration.
23/03/2020 O OF TERM 5	14.2 Growth and decay  14.3 Compound measures  14.4 Distance, speed and time  14.5 Direct and inverse proportion  TEST	Convert between metric measures. Understand ratio notation, and be able to write a ratio in its simplest form. Find a percentage of an amount and relate percentages to decimals. Rearrange equations and use these to solve problems.  Know speed = distance/time, density = mass/volume. Find the equation of a line from a graph. Identify a graph showing direct proportion.  Convert percentages to decimals. Express one number as a percentage of another.  Work out percentage increases and decreases.  Write powers of numbers in index form. Relate percentages to decimals. Understand 'rate' as a mathematical concept. Substitute into and solve equations. Rearrange equations. Convert between metric units of volume. Calculate the area of a trapezium. Calculate the volume of a prism. Find speed in km/h, given distance travelled in minutes.  Convert between metric units of length.  Identify graphs showing direct proportion.	3	4 4 5	Express a given number as a percentage of another in more co situations. Find the original amount given the final amount after a percent increase or decrease Find an amount after repeated percentage change. Solve growth and decay problems.  Solve problems involving compound measures.  Calculate average speed, distance and time. Use formulae to calculate speed and acceleration.  Use ratio and proportion in measures and conversions.
23/03/2020 OF TERM 5	14.2 Growth and decay  14.3 Compound measures  14.4 Distance, speed and time  14.5 Direct and inverse proportion  TEST  15 Constructions, loci and	Convert between metric measures. Understand ratio notation, and be able to write a ratio in its simplest form. Find a percentage of an amount and relate percentages to decimals. Rearrange equations and use these to solve problems. Know speed = distance/time, density = mass/volume. Find the equation of a line from a graph. Identify a graph showing direct proportion. Convert percentages to decimals. Express one number as a percentage of another. Work out percentage increases and decreases. Write powers of numbers in index form. Relate percentages to decimals. Understand 'rate' as a mathematical concept. Substitute into and solve equations. Rearrange equations. Convert between metric units of volume. Calculate the area of a trapezium. Calculate the volume of a prism. Find speed in km/h, given distance travelled in minutes. Convert between metric units of length.  Identify graphs showing direct proportion. Write a ratio as a unit ratio.  Measure and draw lines. Write a ratio in the form 1 : m and in its simplest form. Know the 8 points of the compass. Draw a net of a 3D shape.	3	4 4 5	Express a given number as a percentage of another in more co situations. Find the original amount given the final amount after a percent increase or decrease Find an amount after repeated percentage change. Solve growth and decay problems.  Solve problems involving compound measures.  Calculate average speed, distance and time. Use formulae to calculate speed and acceleration.  Use ratio and proportion in measures and conversions.
23/03/2020 OF TERM 5	14.2 Growth and decay  14.3 Compound measures  14.4 Distance, speed and time  14.5 Direct and inverse proportion  TEST  15 Constructions, loci and	Convert between metric measures. Understand ratio notation, and be able to write a ratio in its simplest form. Find a percentage of an amount and relate percentages to decimals. Rearrange equations and use these to solve problems. Know speed = distance/time, density = mass/volume. Find the equation of a line from a graph. Identify a graph showing direct proportion. Convert percentages to decimals. Express one number as a percentage of another. Work out percentage increases and decreases. Write powers of numbers in index form. Relate percentages to decimals. Understand 'rate' as a mathematical concept. Substitute into and solve equations. Rearrange equations. Convert between metric units of volume. Calculate the area of a trapezium. Calculate the volume of a prism. Find speed in km/h, given distance travelled in minutes. Convert between metric units of length. Identify graphs showing direct proportion. Write a ratio as a unit ratio.  Measure and draw lines. Write a ratio in the form 1 : m and in its simplest form. Know the 8 points of the compass.	3	4 4 5	Express a given number as a percentage of another in more co situations. Find the original amount given the final amount after a percent increase or decrease Find an amount after repeated percentage change. Solve growth and decay problems.  Solve problems involving compound measures.  Calculate average speed, distance and time. Use formulae to calculate speed and acceleration. Use ratio and proportion in measures and conversions.  Use inverse proportions.
23/03/2020 OF TERM 5	14.2 Growth and decay  14.3 Compound measures  14.4 Distance, speed and time  14.5 Direct and inverse proportion  TEST  15 Constructions, loci and bearings	Convert between metric measures. Understand ratio notation, and be able to write a ratio in its simplest form. Find a percentage of an amount and relate percentages to decimals. Rearrange equations and use these to solve problems. Know speed = distance/time, density = mass/volume. Find the equation of a line from a graph. Identify a graph showing direct proportion. Convert percentages to decimals. Express one number as a percentage of another. Work out percentage increases and decreases. Write powers of numbers in index form. Relate percentages to decimals. Understand 'rate' as a mathematical concept. Substitute into and solve equations. Rearrange equations. Convert between metric units of volume. Calculate the area of a trapezium. Calculate the volume of a prism. Find speed in km/h, given distance travelled in minutes. Convert between metric units of length.  Identify graphs showing direct proportion. Write a ratio as a unit ratio.  Measure and draw lines. Write a ratio in the form 1 : m and in its simplest form. Know the 8 points of the compass. Draw a net of a 3D shape. Know clockwise, anticlockwise. Identify congruent shapes.	3 3	4 4 5	Express a given number as a percentage of another in more co situations. Find the original amount given the final amount after a percent increase or decrease Find an amount after repeated percentage change. Solve growth and decay problems. Solve problems involving compound measures.  Convert between metric speed measures.  Calculate average speed, distance and time. Use formulae to calculate speed and acceleration. Use ratio and proportion in measures and conversions.  Use inverse proportions.
23/03/2020 OF TERM 5	14.2 Growth and decay  14.3 Compound measures  14.4 Distance, speed and time  14.5 Direct and inverse proportion  TEST  15 Constructions, loci and bearings  15.1 3D solids  15.2 Plans and elevations	Convert between metric measures. Understand ratio notation, and be able to write a ratio in its simplest form. Find a percentage of an amount and relate percentages to decimals. Rearrange equations and use these to solve problems. Know speed = distance/time, density = mass/volume. Find the equation of a line from a graph. Identify a graph showing direct proportion. Convert percentages to decimals. Express one number as a percentage of another. Work out percentage increases and decreases. Write powers of numbers in index form. Relate percentages to decimals. Understand 'rate' as a mathematical concept. Substitute into and solve equations. Rearrange equations. Convert between metric units of volume. Calculate the area of a trapezium. Calculate the volume of a prism. Find speed in km/h, given distance travelled in minutes. Convert between metric units of length.  Identify graphs showing direct proportion. Write a ratio as a unit ratio.  Measure and draw lines. Write a ratio in the form 1 : m and in its simplest form. Know the 8 points of the compass. Draw a net of a 3D shape. Know clockwise, anticlockwise. Identify congruent shapes. Recall names of common 2D shapes.  Identify names of 2D shapes from faces of 3D solids. Recall names of common 3D shapes. Know the properties of special triangles and quadrilaterals.	3 3 1	4 4 5	Express a given number as a percentage of another in more co situations. Find the original amount given the final amount after a percent increase or decrease Find an amount after repeated percentage change. Solve growth and decay problems.  Solve problems involving compound measures.  Calculate average speed, distance and time. Use formulae to calculate speed and acceleration. Use ratio and proportion in measures and conversions.  Use inverse proportions.  Recognise 3D shapes and their properties. Describe 3D shapes using the correct mathematical words. Understand the 2D shapes that make up 3D objects. Identify and sketch planes of symmetry of 3D shapes. Understand and draw plans and elevations of 3D shapes. Sketch 3D shapes based on their plans and elevations.
16/03/2020 23/03/2020 O OF TERM 5	14.2 Growth and decay  14.3 Compound measures  14.4 Distance, speed and time  14.5 Direct and inverse proportion  TEST  15 Constructions, loci and bearings  15.1 3D solids	Convert between metric measures. Understand ratio notation, and be able to write a ratio in its simplest form. Find a percentage of an amount and relate percentages to decimals. Rearrange equations and use these to solve problems. Know speed = distance/time, density = mass/volume. Find the equation of a line from a graph. Identify a graph showing direct proportion. Convert percentages to decimals. Express one number as a percentage of another. Work out percentage increases and decreases.  Write powers of numbers in index form. Relate percentages to decimals. Understand 'rate' as a mathematical concept. Substitute into and solve equations. Rearrange equations. Convert between metric units of volume. Calculate the area of a trapezium. Calculate the volume of a prism. Find speed in km/h, given distance travelled in minutes.  Convert between metric units of length.  Identify graphs showing direct proportion.  Write a ratio as a unit ratio.  Measure and draw lines. Write a ratio in the form 1 : m and in its simplest form. Know the 8 points of the compass. Draw a net of a 3D shape. Know clockwise, anticlockwise. Identify congruent shapes. Recall names of common 2D shapes.  Identify names of 2D shapes from faces of 3D solids. Recall names of common 3D shapes. Know the properties of special triangles and	3 3	4 4 5 2 3	Express a given number as a percentage of another in more co situations. Find the original amount given the final amount after a percent increase or decrease Find an amount after repeated percentage change. Solve growth and decay problems.  Solve problems involving compound measures.  Calculate average speed, distance and time. Use formulae to calculate speed and acceleration. Use ratio and proportion in measures and conversions.  Use inverse proportions.  Recognise 3D shapes and their properties. Describe 3D shapes using the correct mathematical words. Understand the 2D shapes that make up 3D objects. Identify and sketch planes of symmetry of 3D shapes. Understand and draw plans and elevations of 3D shapes. Sketch 3D shapes based on their plans and elevations.  Make accurate drawings of triangles using a ruler, protractor a compasses. Identify SSS, ASA, SAS and RHS triangles as unique from a given
16/03/2020 23/03/2020 O OF TERM 5	14.2 Growth and decay  14.3 Compound measures  14.4 Distance, speed and time  14.5 Direct and inverse proportion  TEST  15 Constructions, loci and bearings  15.1 3D solids  15.2 Plans and elevations	Convert between metric measures. Understand ratio notation, and be able to write a ratio in its simplest form. Find a percentage of an amount and relate percentages to decimals. Rearrange equations and use these to solve problems. Know speed = distance/time, density = mass/volume. Find the equation of a line from a graph. Identify a graph showing direct proportion. Convert percentages to decimals. Express one number as a percentage of another. Work out percentage increases and decreases. Write powers of numbers in index form. Relate percentages to decimals. Understand 'rate' as a mathematical concept. Substitute into and solve equations. Rearrange equations. Convert between metric units of volume. Calculate the area of a trapezium. Calculate the volume of a prism. Find speed in km/h, given distance travelled in minutes. Convert between metric units of length.  Identify graphs showing direct proportion. Write a ratio as a unit ratio.  Measure and draw lines. Write a ratio as a unit ratio.  Measure and of a 3D shape. Know the 8 points of the compass. Draw a net of a 3D shape. Know clockwise, anticlockwise. Identify congruent shapes. Recall names of common 2D shapes.  Identify names of 2D shapes from faces of 3D solids. Recall names of common 3D shapes. Know the properties of special triangles and quadrilaterals. Understand of the meaning of 'congruence'.	3 3 1	4 4 5	Express a given number as a percentage of another in more co situations. Find the original amount given the final amount after a percent increase or decrease Find an amount after repeated percentage change. Solve growth and decay problems.  Solve problems involving compound measures.  Calculate average speed, distance and time. Use formulae to calculate speed and acceleration.  Use ratio and proportion in measures and conversions.  Use inverse proportions.  Recognise 3D shapes and their properties. Describe 3D shapes using the correct mathematical words. Understand the 2D shapes that make up 3D objects. Identify and sketch planes of symmetry of 3D shapes.  Understand and draw plans and elevations of 3D shapes. Sketch 3D shapes based on their plans and elevations.  Make accurate drawings of triangles using a ruler, protractor a compasses.
23/03/2020 OF TERM 5	14.2 Growth and decay  14.3 Compound measures  14.4 Distance, speed and time  14.5 Direct and inverse proportion  TEST  15 Constructions, loci and bearings  15.1 3D solids  15.2 Plans and elevations  15.3 Accurate drawings 1	Convert between metric measures. Understand ratio notation, and be able to write a ratio in its simplest form. Find a percentage of an amount and relate percentages to decimals. Rearrange equations and use these to solve problems. Know speed = distance/time, density = mass/volume. Find the equation of a line from a graph. Identify a graph showing direct proportion. Convert percentages to decimals. Express one number as a percentage of another. Work out percentage increases and decreases.  Write powers of numbers in index form. Relate percentages to decimals. Understand 'rate' as a mathematical concept. Substitute into and solve equations. Rearrange equations. Convert between metric units of volume. Calculate the area of a trapezium. Calculate the volume of a prism. Find speed in km/h, given distance travelled in minutes. Convert between metric units of length.  Identify graphs showing direct proportion.  Write a ratio as a unit ratio.  Measure and draw lines. Write a ratio in the form 1 : m and in its simplest form. Know the 8 points of the compass. Draw a net of a 3D shape. Know clockwise, anticlockwise. Identify congruent shapes. Recall names of common 2D shapes.  Identify names of 2D shapes from faces of 3D solids. Recall names of common 3D shapes. Know the properties of special triangles and quadrilaterals. Understand of the meaning of 'congruence'. Draw lines, angles and circles accurately	3 3 3	4 4 5 3 3	Express a given number as a percentage of another in more co situations. Find the original amount given the final amount after a percent increase or decrease Find an amount after repeated percentage change. Solve growth and decay problems.  Solve problems involving compound measures.  Calculate average speed, distance and time. Use formulae to calculate speed and acceleration. Use ratio and proportion in measures and conversions.  Use inverse proportions.  Recognise 3D shapes and their properties. Describe 3D shapes using the correct mathematical words. Understand the 2D shapes that make up 3D objects. Identify and sketch planes of symmetry of 3D shapes. Sketch 3D shapes based on their plans and elevations.  Make accurate drawings of triangles using a ruler, protractor a compasses. Identify SSS, ASA, SAS and RHS triangles as unique from a giver description. Identify congruent triangles
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23/03/2020 23/03/2020 20/04/2020	14.2 Growth and decay  14.3 Compound measures  14.4 Distance, speed and time  14.5 Direct and inverse proportion  TEST  15 Constructions, loci and bearings  15.1 3D solids  15.2 Plans and elevations  15.3 Accurate drawings 1  15.4 Scale drawings and maps  15.5 Accurate drawings 2	Convert between metric measures. Understand ratio notation, and be able to write a ratio in its simplest form. Find a percentage of an amount and relate percentages to decimals. Rearrange equations and use these to solve problems. Know speed = distance/time, density = mass/volume. Find the equation of a line from a graph. Identify a graph showing direct proportion. Convert percentages to decimals. Express one number as a percentage of another. Work out percentage increases and decreases. Write powers of numbers in index form. Relate percentages to decimals. Understand 'rate' as a mathematical concept. Substitute into and solve equations. Rearrange equations. Convert between metric units of volume. Calculate the area of a trapezium. Calculate the volume of a prism. Find speed in km/h, given distance travelled in minutes. Convert between metric units of length.  Identify graphs showing direct proportion. Write a ratio as a unit ratio.  Measure and draw lines. Write a ratio in the form 1 : m and in its simplest form. Know the 8 points of the compass. Draw a net of a 3D shape. Know clockwise, anticlockwise. Identify congruent shapes. Recall names of common 2D shapes.  Recall names of common 3D shapes. Know the properties of special triangles and quadrilaterals. Understand of the meaning of 'congruence'. Draw lines, angles and circles accurately  Work out scale factor of an enlargement.  Write a ratio in the form 1 : m, and write equivalent ratios. Convert between metric measurements of length.  Knowledge of scale factors of enlargement.  Understand of the meaning of 'congruence'.  Draw lines, angles and circles accurately  Work out scale factor of an enlargement.  Identify parallel and perpendicular lines. Draw lines accurately.  Convert between metric measurements of length.	4 3 3 3 4	4 4 4 5 3 3 4 4	Express a given number as a percentage of another in more co situations. Find the original amount given the final amount after a percent increase or decrease Find an amount after repeated percentage change. Solve growth and decay problems.  Solve problems involving compound measures.  Calculate average speed, distance and time. Use formulae to calculate speed and acceleration. Use ratio and proportion in measures and conversions.  Use inverse proportions.  We inverse proportions.  Recognise 3D shapes using the correct mathematical words. Understand the 2D shapes that make up 3D objects. Identify and sketch planes of symmetry of 3D shapes. Understand and draw plans and elevations of 3D shapes. Sketch 3D shapes based on their plans and elevations.  Make accurate drawings of triangles using a ruler, protractor a compasses. Identify SSS, ASA, SAS and RHS triangles as unique from a giver description. Identify congruent triangles Draw diagrams to scale.  Correctly interpret scales in real-life contexts. Use scales on maps and diagrams to work out lengths and dist. Know when to use exact measurements and estimations on scale drawings and maps. Draw lengths and distances correctly on given scale drawings. Accurately draw angles and 2D shapes using a ruler, protracto compasses. Construct a polygon inside a circle. Recognise nets and make accurate drawings of nets of commo objects. Draw loci for the path of points that follow a given rule.
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16/03/2020 23/03/2020 0 OF TERM 5 20/04/2020 27/04/2020	14.2 Growth and decay  14.3 Compound measures  14.4 Distance, speed and time  14.5 Direct and inverse proportion  TEST  15 Constructions, loci and bearings  15.1 3D solids  15.2 Plans and elevations  15.3 Accurate drawings 1  15.4 Scale drawings and maps  15.5 Accurate drawings 2  15.6 Constructions  15.7 Loci and regions  15.8 Bearings	Convert between metric measures. Understand ratio notation, and be able to write a ratio in its simplest form. Find a percentage of an amount and relate percentages to decimals. Rearrange equations and use these to solve problems. Know speed = distance/time, density = mass/volume. Find the equation of a line from a graph. Identify a graph showing direct proportion. Convert percentages to decimals. Express one numbers as a percentage of another. Work out percentage increases and decreases. Write powers of numbers in index form. Relate percentages to decimals. Understand 'rate' as a mathematical concept. Substitute into and solve equations. Rearrange equations. Convert between metric units of volume. Calculate the area of a trapezium. Calculate the volume of a prism. Find speed in km/h, given distance travelled in minutes. Convert between metric units of length. Identify graphs showing direct proportion. Write a ratio as a unit ratio.  Measure and draw lines. Write a ratio in the form 1 : m and in its simplest form. Know the 8 points of the compass. Draw a net of a 3D shape. Know clockwise, anticlockwise. Identify congruent shapes. Recall names of common 3D shapes. Recall names of common 3D shapes. Identify names of 2D shapes from faces of 3D solids. Recall names of common 3D shapes. Understand of the meaning of 'congruence'. Draw lines, angles and circles accurately  Work out scale factor of an enlargement. Write a ratio in the form 1 : m, and write equivalent ratios. Convert between metric measurements of length.  Knowledge of scale factors of enlargement. Understand of the meaning of 'congruence'. Draw lines, angles and circles accurately  Work out scale factor of an enlargement. Understand of the meaning of 'congruence'. Draw lines accurately.  Convert between metric measurements of length.  Knowledge of scale factors of enlargement. Identify parallel and perpendicular lines. Draw lines accurately.  Convert destances from map scale to real life distance and vice versa. Construct the perpendicular bisector.  W	4 3 3 3 1 1 2	4 4 4 3 3 3 4 4 4	Express a given number as a percentage of another in more co situations. Find the original amount given the final amount after a percent increase or decrease Find an amount after repeated percentage change.  Solve growth and decay problems.  Solve problems involving compound measures.  Calculate average speed, distance and time.  Use formulae to calculate speed and acceleration.  Use ratio and proportion in measures and conversions.  Use inverse proportions.  Recognise 3D shapes using the correct mathematical words.  Understand the 2D shapes that make up 3D objects.  Identify and sketch planes of symmetry of 3D shapes.  Understand and draw plans and elevations of 3D shapes.  Sketch 3D shapes based on their plans and elevations.  Make accurate drawings of triangles using a ruler, protractor a compasses.  Identify SSS, ASA, SAS and RHS triangles as unique from a giver description.  Identify congruent triangles  Draw diagrams to scale.  Correctly interpret scales in real-life contexts.  Use scales on maps and diagrams to work out lengths and dist Know when to use exact measurements and estimations on scale drawings and maps.  Draw lengths and distances correctly on given scale drawings.  Accurately draw angles and 2D shapes using a ruler, protracto compasses.  Draw lengths and maps.  Draw lengths and distances correctly on given scale drawings.  Accurately draw angles and 2D shapes using a ruler, protracto compasses.  Draw lengths and make accurate drawings of nets of commo objects.  Draw accurately using rulers and compasses.  Draw loci for the path of points that follow a given rule.  Identify regions the path of points that follow a given rule.  Identify regions the path of points that follow a given rule.  Identify regions the path of points that follow a given rule.
16/03/2020 23/03/2020 0 OF TERM 5 20/04/2020 04/05/2020	14.2 Growth and decay  14.3 Compound measures  14.4 Distance, speed and time  14.5 Direct and inverse proportion  TEST  15 Constructions, loci and bearings  15.1 3D solids  15.2 Plans and elevations  15.3 Accurate drawings 1  15.4 Scale drawings and maps  15.5 Accurate drawings 2  15.6 Constructions  15.7 Loci and regions  15.8 Bearings	Convert between metric measures. Understand ratio notation, and be able to write a ratio in its simplest form. Find a percentage of an amount and relate percentages to decimals. Rearrange equations and use these to solve problems. Know speed = distance/time, density = mass/volume. Find the equation of a line from a graph. Identify a graph showing direct proportion. Convert percentages to decimals. Express one number as a percentage of another. Work out percentage increases and decreases. Write powers of numbers in index form. Relate percentages to decimals. Understand 'rate' as a mathematical concept. Substitute into and solve equations. Convert between metric units of volume. Calculate the area of a trapezium. Calculate the area of a trapezium. Calculate the volume of a prism. Find speed in km/h, given distance travelled in minutes. Convert between metric units of length.  Identify graphs showing direct proportion. Write a ratio in the form 1 : m and in its simplest form. Know the 8 points of the compass. Draw a net of a 3D shape. Know clockwise, anticlockwise. Identify congruent shapes. Recall names of common 3D shapes. Recall names of common 3D shapes. Know the properties of special triangles and quadrilaterals. Understand of the meaning of 'congruence'. Draw lines, angles and circles accurately  Work out scale factor of an enlargement.  Write a ratio in the form 1 : m, and write equivalent ratios. Convert between metric measurements of length.  Knowledge of scale factors of enlargement.  Identify parallel and perpendicular lines. Draw lines, angles and circles accurately  Work out scale factor of an enlargement.  Identify a solid from its net.  Identify parallel and perpendicular bisector.  Working out the complement to 180 or 360 (addition and subtraction). Recall the prependicular bisector.  Working out the complement to 180 or 360 (addition and subtraction). Recall the properties of angles at a point, angles on a straight line, alternate and corrsponding angles.	4 3 3 3 1 1 2	4 4 4 3 3 3 4 4 4	Express a given number as a percentage of another in more co situations. Find the original amount given the final amount after a percent increase or decrease Find an amount after repeated percentage change.  Solve growth and decay problems.  Solve problems involving compound measures.  Calculate average speed, distance and time.  Use formulae to calculate speed and acceleration.  Use ratio and proportion in measures and conversions.  Use inverse proportions.  Recognise 3D shapes using the correct mathematical words.  Understand the 2D shapes that make up 3D objects.  Identify and sketch planes of symmetry of 3D shapes.  Vinderstand and draw plans and elevations of 3D shapes.  Sketch 3D shapes based on their plans and elevations.  Make accurate drawings of triangles using a ruler, protractor a compasses.  Identify SSS, ASA, SAS and RHS triangles as unique from a give description.  Identify congruent triangles  Draw diagrams to scale.  Correctly interpret scales in real-life contexts.  Use scales on maps and diagrams to work out lengths and dist Know when to use exact measurements and estimations on sc drawings and maps.  Draw lengths and distances correctly on given scale drawings.  Accurately draw angles and 2D shapes using a ruler, protracto compasses.  Draw lengths and distances correctly on given scale drawings.  Accurately draw angles and 2D shapes using a ruler, protracto compasses.  Draw lengths and make accurate drawings of nets of commo objects.  Draw accurately using rulers and compasses.  Draw loci for the path of points that follow a given rule.  Identify regions brounded by loci to solve practical problems.  Find an use three-figure bearings.  Use angles at parallel lines to work out bearings.
16/03/2020 23/03/2020 0 OF TERM 5 20/04/2020 04/05/2020	14.2 Growth and decay 14.3 Compound measures  14.4 Distance, speed and time  14.5 Direct and inverse proportion  TEST 15 Constructions, loci and bearings  15.1 3D solids  15.2 Plans and elevations  15.3 Accurate drawings 1  15.4 Scale drawings and maps  15.5 Accurate drawings 2  15.6 Constructions  15.7 Loci and regions  15.8 Bearings  16 Quadratic equations and graphs  16.1 Expanding double brackets	Convert between metric measures. Understand ratio notation, and be able to write a ratio in its simplest form. Find a percentage of an amount and relate percentages to decimals. Rearrange equations and use these to solve problems. Know speed = distance/time, density = mass/volume. Find the equation of a line from a graph. Identify a graph showing direct proportion. Convert percentages to decimals. Express one number as a percentage of another. Work out percentage increases and decreases. Write powers of numbers in index form. Relate percentages to decimals. Understand 'rate' as a mathematical concept. Substitute into and solve equations. Rearrange equations. Convert between metric units of volume. Calculate the area of a trapezium. Calculate the volume of a prism. Find speed in km/h, given distance travelled in minutes. Convert between metric units of length. Identify graphs showing direct proportion. Write a ratio as a unit ratio.  Measure and draw lines. Write a ratio in the form 1 : m and in its simplest form. Know the 8 points of the compass. Draw a net of a 3D shape. Know clockwise, anticlockwise. Identify congruent shapes. Recall names of common 3D shapes. Recall names of common 3D shapes.  Know the properties of special triangles and quadrilaterals. Understand of the meaning of 'congruence'.  Draw lines, angles and circles accurately  Work out scale factor of an enlargement.  Write a ratio in the form 1 : m, and write equivalent ratios. Convert between metric measurements of length.  Knowledge of scale factors of enlargement.  Understand of the meaning of 'congruence'.  Draw lines, angles and circles accurately  Work out scale factor of an enlargement.  Write a ratio in the form 1 : m, and write equivalent ratios. Convert between metric measurements of length.  Edentify parallel and perpendicular biase.  Lidentify a solid from its net.  Be able to work out area of a shape using algebraic terms.  Write an accurately.  Convert distances from map scale to real life distance and vice trias properties of angl	4 3 3 3 3 4 4 4 2	4 4 4 3 3 3 4 4 4	Express a given number as a percentage of another in more co situations. Find the original amount given the final amount after a percent increase or decrease. Find an amount after repeated percentage change. Solve growth and decay problems.  Solve problems involving compound measures.  Calculate average speed, distance and time. Use formulae to calculate speed and acceleration. Use ratio and proportion in measures and conversions. Use inverse proportions.  Recognise 3D shapes and their properties. Describe 3D shapes using the correct mathematical words. Understand the 2D shapes that make up 3D objects. Identify and sketch planes of symmetry of 3D shapes. Sketch 3D shapes based on their plans and elevations. Make accurate drawings of triangles using a ruler, protractor a compasses. Identify SSS, ASA, SAS and RHS triangles as unique from a give description. Identify congruent triangles  Draw diagrams to scale.  Correctly interpret scales in real-life contexts.  Use scales on maps and diagrams to work out lengths and dist Know when to use exact measurements and estimations on sc drawings and maps.  Draw lengths and distances correctly on given scale drawings.  Accurately draw angles and 2D shapes using a ruler, protracto compasses.  Draw lengths and distances correctly on given scale drawings.  Accurately draw angles and 2D shapes using a ruler, protracto compasses.  Draw lengths and distances correctly on given scale drawings.  Accurately draw angles and 2D shapes using a ruler, protracto compasses.  Draw lengths and distances correctly on given scale drawings.  Accurately draw angles and 2D shapes using a ruler, protracto compasses.  Draw lengths and distances correctly on given scale drawings.  Accurately draw angles and pass and scale diagrams.  Solve problems involving bearings and compasses.  Bisect angles and lines using rulers and compasses.  Bisect angles and lines using rulers and compasses.  Bisect angles and parallel lines to work out bearings.  Solve problems involving bearings and scale diagrams.
16/03/2020 23/03/2020 0 OF TERM 5 20/04/2020 04/05/2020	14.2 Growth and decay  14.3 Compound measures  14.4 Distance, speed and time  14.5 Direct and inverse proportion  TEST  15 Constructions, loci and bearings  15.1 3D solids  15.2 Plans and elevations  15.3 Accurate drawings 1  15.4 Scale drawings and maps  15.5 Accurate drawings 2  15.6 Constructions  15.7 Loci and regions  15.8 Bearings	Convert between metric measures.  Understand ratio notation, and be able to write a ratio in its simplest form. Find a percentage of an amount and relate percentages to decimals.  Rearrange equations and use these to solve problems.  Know speed = distance/time, density = mass/volume. Find the equation of a line from a graph. Identify a graph showing direct proportion.  Convert percentages to decimals.  Express one number as a percentage of another.  Work out percentage increases and decreases.  Write powers of numbers in index form.  Relate percentages to decimals.  Understand 'rate' as a mathematical concept.  Substitute into and solve equations.  Rearrange equations.  Convert between metric units of volume.  Calculate the area of a trapezium.  Find speed in km/h, given distance travelled in minutes.  Convert between metric units of length.  Identify graphs showing direct proportion.  Write a ratio as a unit ratio.  Measure and draw lines.  Write a ratio in the form 1: m and in its simplest form.  Know the 8 points of the compass.  Draw a net of a 3D shape.  Know clockwise, anticlockwise.  Identify congruent shapes.  Recall names of common 3D shapes.  Identify congruent shapes.  Recall names of common 3D shapes.  Identify names of 2D shapes from faces of 3D solids.  Recall names of common 3D shapes.  Understand of the meaning of 'congruence'.  Draw lines, angles and circles accurately  Work out scale factor of an enlargement.  Understand of the meaning of 'congruence'.  Draw lines, angles and circles accurately  Work out scale factor of an enlargement.  Identify a solid from its net.  Understand of the meaning of 'congruence'.  Working out the complement to 180 or 360 (addition and subtraction).  Knowledge of scale factors of enlargement.  Identify a solid from its net.  Understand of the meaning of 'congruence'.  Working out the com	4 3 3 3 1 1 2 3 3	4 4 4 3 3 3 4 4 4	Express a given number as a percentage of another in more co situations. Find the original amount given the final amount after a percent increase or decrease Find an amount after repeated percentage change. Solve growth and decay problems.  Solve problems involving compound measures.  Calculate average speed, distance and time. Use formulae to calculate speed and acceleration.  Use ratio and proportion in measures and conversions.  Use inverse proportions.  Recognise 3D shapes using the correct mathematical words. Understand the 2D shapes that make up 3D objects. Identify and sketch planes of symmetry of 3D shapes. Sketch 3D shapes based on their plans and elevations.  Make accurate drawings of triangles using a ruler, protractor a compasses. Identify SSS, ASA, SAS and RHS triangles as unique from a give description. Identify congruent triangles  Draw diagrams to scale.  Correctly interpret scales in real-life contexts.  Use scales on maps and diagrams to work out lengths and dist Know when to use exact measurements and estimations on sc drawings and maps.  Draw lengths and distances correctly on given scale drawings.  Accurately draw angles and 2D shapes using a ruler, protracto compasses.  Construct a polygon inside a circle.  Recognise nets and make accurate drawings of nets of commo objects.  Draw lengths and distances correctly on given scale drawings.  Accurately using rulers and compasses.  Bisect angles and lines using rulers and compasses.  Draw loci for the path of points that follow a given rule.  Identify regions bounded by loci to solve practical problems.  Find and use three-figure bearings.  Use angles at parallel lines to work out bearings.  Solve problems involving bearings and scale diagrams.
16/03/2020 23/03/2020 0 OF TERM 5 15/04/2020 04/05/2020	14.2 Growth and decay 14.3 Compound measures  14.4 Distance, speed and time  14.5 Direct and inverse proportion  TEST 15 Constructions, loci and bearings  15.1 3D solids  15.2 Plans and elevations  15.3 Accurate drawings 1  15.4 Scale drawings and maps  15.5 Accurate drawings 2  15.6 Constructions  15.7 Loci and regions  15.8 Bearings  16 Quadratic equations and graphs  16.1 Expanding double brackets	Convert between metric measures. Understand ratio notation, and be able to write a ratio in its simplest form. Find a percentage of an amount and relate percentages to decimals. Rearrange equations and use these to solve problems. Know speed = distance/time, density = mass/volume. Find the equation of a line from a graph. Identify a graph showing direct proportion. Convert percentages to decimals. Express one number as a percentage of another. Work out percentage increases and decreases. Write powers of numbers in index form. Relate percentages to decimals. Understand 'rate' as a mathematical concept. Substitute into and solve equations. Rearrange equations. Convert between metric units of volume. Calculate the area of a trapezium. Calculate the area of a trapezium. Calculate the volume of a prism. Find speed in km/h, given distance travelled in minutes. Convert between metric units of length.  Identify graphs showing direct proportion. Write a ratio as a unit ratio.  Measure and draw lines. Write a ratio as a unit ratio.  Measure and of the compass. Draw a net of a 3D shape. Know clockwise, anticlockwise. Identify congruent shapes. Recall names of common 3D shapes. Recall names of common 3D shapes. Recall names of common 3D shapes.  Work out scale factor of an enlargement. Understand of the meaning of 'congruence'.  Draw lines, angles and circles accurately  Work out scale factor of an enlargement.  Write a ratio in the form 1: m, and write equivalent ratios. Convert between metric measurements of length.  Knowledge of scale factors of enlargement.  Identify parallel and perpendicular lines. Draw lines accurately.  Work out scale factor of an enlargement.  Bray a solid from its net.  Substitute into inthe form 1: m, and write equivalent ratios. Convert between metric measurements of length.  Recall the properties of angles at a point, angles on a straight line, alternate and corrsponding angles.	4 3 3 3 3 4 4 4 2	4 4 4 3 3 3 4 4 4	Express a given number as a percentage of another in more co situations. Find the original amount given the final amount after a percent increase or decrease. Find an amount after repeated percentage change. Solve growth and decay problems.  Solve problems involving compound measures.  Calculate average speed, distance and time. User formulae to calculate speed and acceleration. Use ratio and proportion in measures and conversions. Use inverse proportions.  Recognise 3D shapes using the correct mathematical words. Understand the 2D shapes that make up 3D objects. Identify and sketch planes of symmetry of 3D shapes. Sketch 3D shapes based on their plans and elevations. Amake accurate drawings of triangles using a ruler, protractor accompasses. Identify SSS, ASA, SAS and RHS triangles as unique from a give description. Identify congruent triangles  Draw diagrams to scale.  Correctly interpret scales in real-life contexts.  Use scales on maps and diagrams to work out lengths and dist Know when to use exact measurements and estimations on sc drawings and maps.  Draw lengths and distances correctly on given scale drawings. Accurately draw angles and 2D shapes using a ruler, protracto compasses.  Draw lengths and distances correctly on given scale drawings. Accurately draw angles and 2D shapes using a ruler, protracto compasses.  Draw lengths and distances correctly on given scale drawings. Accurately draw angles and zD shapes using a ruler, protracto compasses.  Draw loci for the path of points that follow a given rule. Identify regions bounded by loci to solve practical problems. Find and use three-figure bearings.  Use angles at parallel lines to work out bearings.  Solve problems involving bearings and scale diagrams.  Multiply double brackets.  Recognise quadratic expressions.  Square single brackets.  Plot graphs of quadratic functions.
16/03/2020 23/03/2020 0 OF TERM 5 20/04/2020 27/04/2020	14.2 Growth and decay 14.3 Compound measures  14.4 Distance, speed and time  14.5 Direct and inverse proportion  TEST 15 Constructions, loci and bearings  15.1 3D solids  15.2 Plans and elevations  15.3 Accurate drawings 1  15.4 Scale drawings and maps  15.5 Accurate drawings 2  15.6 Constructions  15.7 Loci and regions  15.8 Bearings  16.1 Expanding double brackets  16.2 Plotting quadratic graphs	Convert between metric measures. Understand ratio notation, and be able to write a ratio in its simplest form. Find a percentage of an amount and relate percentages to decimals. Rearrange equations and use these to solve problems. Know speed = distance/time, density = mass/volume. Find the equation of a line from a graph. Identify a graph showing direct proportion. Convert percentages to decimals. Express one number as a percentage of another. Work out percentage increases and decreases. Write powers of numbers in index form. Relate percentages to decimals. Understand 'rate' as a mathematical concept. Substitute into and solve equations. Rearrange equations. Convert between metric units of volume. Calculate the area of a trapezium. Convert between metric units of length. Identify graphs showing direct proportion. Write a ratio in the form 1 : m and in its simplest form. Know the 8 points of the compass.  Measure and draw lines. Write a ratio in the form 1 : m and in its simplest form. Know the 8 points of the compass. Praw a net of a 3D shape. Know clockwise, anticlockwise. Identify congruent shapes. Recall names of common 3D shapes. Identify names of 2D shapes from faces of 3D solids. Recall names of common 3D shapes. Understand of the meaning of 'congruence'.  Draw lines, angles and circles accurately  Work out scale factor of an enlargement.  Write a ratio in the form 1 : m, and write equivalent ratios.  Understand of the meaning of 'congruence'.  Urate distances from map scale to real life distance and straight line, alternate and corrsponding angles on a straight line, alternate and corrsponding angles.  Square negative numbers.  Substitute into formulae. Polto points on a cualciae.	4 3 3 3 3 4 4 4 4	4 4 4 5 3 3 3 4 4 4 5	Express a given number as a percentage of another in more co situations. Find the original amount given the final amount after a percent increase or decrease. Find an amount after repeated percentage change. Solve growth and decay problems.  Solve growth and decay problems.  Solve problems involving compound measures.  Calculate average speed, distance and time. Use formulae to calculate speed and acceleration. Use ratio and proportion in measures and conversions. Use inverse proportions.  We inverse proportions.  Recognise 3D shapes using the correct mathematical words. Understand the 2D shapes that make up 3D objects. Identify and sketch planes of symmetry of 3D shapes. Sketch 3D shapes bear on their plans and elevations. Make accurate drawings of triangles using a ruler, protractor acompasses. Identify SSS, ASA, SAS and RHS triangles as unique from a give description. Identify congruent triangles  Draw diagrams to scale.  Correctly interpret scales in real-life contexts.  Use scales on maps and diagrams to work out lengths and dist Know when to use exact measurements and estimations on sc drawings and maps.  Draw lengths and distances correctly on given scale drawings. Accurately draw angles and 2D shapes using a ruler, protracto compasses.  Draw lengths and distances correctly on given scale drawings. Accurately draw angles and 2D shapes using a ruler, protracto compasses.  Draw lengths and distances correctly on given scale drawings. Accurately draw angles and 2D shapes using a ruler, protracto compasses.  Draw lengths and distances correctly on given scale drawings.  Lidentify orgoins bounded by loci to solve practical problems. Find and use three-figure bearings.  Use angles at parallel lines to work out bearings.  Solve problems involving bearings and scale diagrams.  Multiply double brackets.  Recognise quadratic expressions.  Square single brackets.  Plot graphs of quadratic function.  Use quadratic equations ax2 + bx + c = 0 using a graph.
16/03/2020 23/03/2020 0 OF TERM 5 15/04/2020 27/04/2020 11/05/2020	14.2 Growth and decay 14.3 Compound measures  14.4 Distance, speed and time  14.5 Direct and inverse proportion  TEST 15 Constructions, loci and bearings  15.1 3D solids  15.2 Plans and elevations  15.3 Accurate drawings 1  15.4 Scale drawings and maps  15.5 Accurate drawings 2  15.6 Constructions  15.7 Loci and regions  15.8 Bearings  16.1 Expanding double brackets  16.2 Plotting quadratic graphs	Convert between metric measures. Understand ratio notation, and be able to write a ratio in its simplest form. Find a percentage of an amount and relate percentages to decimals. Rearrange equations and use these to solve problems. Know speed = distance/time, density = mass/volume. Find the equation of a line from a graph. Identify a graph showing direct proportion. Convert percentages to decimals. Express one number as a percentage of another. Work out percentage increases and decreases. Write powers of numbers in index form. Relate percentages to decimals. Understand 'rate' as a mathematical concept. Substitute into and solve equations. Rearrange equations. Convert between metric units of volume. Calculate the area of a trapezium. Calculate the volume of a prism. Find speed in km/h, given distance travelled in minutes. Convert between metric units of length. Identify graphs showing direct proportion. Write a ratio as a unit ratio.  Measure and draw lines. Write a ratio in the form 1: m and in its simplest form. Know the 8 points of the compass. Draw a net of a 3D shape. Know clockwise, anticlockwise. Identify congruent shapes. Recall names of common 2D shapes. Recall names of common 2D shapes. Recall names of common 2D shapes. Recall names of common 3D shapes. Mow the properties of special triangles and quadrilaterals. Understand of the meaning of 'congruence'.  Draw lines, angles and circles accurately  Work out scale factor of an enlargement.  Write a ratio in the form 1: m, and write equivalent ratios. Convert between metric measurements of length.  Knowledge of scale factors of enlargement.  Identify a solid from its net.  Identify a solid from its net.  Joraw lines, angles and circles accurately  Work out scale factor of an enlargement.  Write a ratio in the form 1: m, and write equivalent ratios.  Convert between metric mass urements of length.  Expands to work out her orniplement of 180 or 360 (addition and subtraction), leading the properties of angles at a point, angles on a straight line, alternate a	4 3 3 3 3 4 4 4 4	4 4 4 5 3 3 3 4 4 4 5	Express a given number as a percentage of another in more co situations. Find the original amount given the final amount after a percent increase or decrease Find an amount after repeated percentage change. Solve growth and decay problems.  Solve problems involving compound measures.  Calculate average speed, distance and time. Use formulae to calculate speed and acceleration. Use ratio and proportion in measures and conversions. Use inverse proportions.  We inverse proportions.  Bescribe 3D shapes using the correct mathematical words. Understand the 2D shapes that make up 3D objects. Identify and sketch planes of symmetry of 3D shapes. Sketch 3D shapes based on their plans and elevations.  Make accurate drawings of triangles using a ruler, protractor a compasses. Identify SSS, ASA, SAS and RHS triangles as unique from a give description. Identify congruent triangles Draw diagrams to scale.  Correctly interpret scales in real-life contexts.  Use scales on maps and diagrams to work out lengths and dist Know when to use exact measurements and estimations on sc drawings and maps. Draw lengths and distances correctly on given scale drawings.  Accurately draw angles and 2D shapes using a ruler, protractor compasses.  Draw loci for the path of points that follow a given rule. Identify regions bounded by loci to solve practical problems.  Find and use three-figure bearings.  Use angles at parallel lines to work out bearings.  Use angles at parallel lines to work out bearings.  Solve problems involving bearings and scale diagrams.  Multiply double brackets.  Recognise quadratic expressions.  Square single brackets.  Plot graphs of quadratic function.  Use quadratic graphs to solve problems.  Solve quadratic equations ax2 + bx + c = 0 using a graph.  Solve quadratic equations ax2 + bx + c = 0 using a graph.
16/03/2020 23/03/2020 23/03/2020 27/04/2020 27/04/2020 11/05/2020 11/05/2020	14.2 Growth and decay 14.3 Compound measures  14.4 Distance, speed and time  14.5 Direct and inverse proportion  TEST 15 Constructions, loci and bearings  15.1 3D solids  15.2 Plans and elevations  15.3 Accurate drawings 1  15.4 Scale drawings and maps  15.5 Accurate drawings 2  15.6 Constructions  15.7 Loci and regions  15.8 Bearings  16.1 Expanding double brackets  16.2 Plotting quadratic graphs  16.3 Using quadratic graphs  16.5 Solving quadratic equations  16.5 Solving quadratic equations	Convert between metric measures. Understand ratio notation, and be able to write a ratio in its simplest form. Find a percentage of an amount and relate percentages to decimals. Rearrange equations and use these to solve problems. Know speed = distance/time, density = mass/volume. Find the equation of a line from a graph. Identify a graph showing direct proportion. Convert percentages to decimals. Express one numbers in index form. Work out percentage increases and decreases. Write powers of numbers in index form. Relate percentages to decimals. Understand 'rate' as a mathematical concept. Substitute into and solve equations. Rearrange equations. Convert between metric units of volume. Calculate the area of a trapezium. Calculate the area of a trapezium. Calculate the volume of a prism. Find speed in km/h, given distance travelled in minutes. Convert between metric units of length.  Identify graphs showing direct proportion. Write a ratio as a unit ratio.  Measure and draw lines. Write a ratio in the form 1: m and in its simplest form. Know the 8 points of the compass. Draw an ent of a 3D shape. Know clockwise, anticlockwise. Identify congruent shapes. Recall names of common 3D shapes. Know the properties of special triangles and quadrilaterals. Understand of the meaning of 'congruence'.  Draw lines, angles and circles accurately  Work out scale factor of an enlargement.  Write a ratio in the form 1: m, and write equivalent ratios. Convert between metric measurements of length.  Knowledge of scale factors of enlargement.  Understand of the meaning of 'congruence'.  Draw lines accurately.  Convert distances from map scale to real life distance and sit the properties of angles at a point, angles on a straight line accurately.  Convert between metric measurements of length.  Knowledge of scale factors of enlargement.  Understand of the meaning of congruence.  Potavilla parallel and perpendicular lines.  Draw lines accurately.  Convert between metric properties of angles at a point, angles on a straight line, alter	4 3 3 3 3 4 4 4 4	4 4 4 5 3 3 3 4 4 4 5	Express a given number as a percentage of another in more co situations. Find the original amount given the final amount after a percent increase or decrease. Find an amount after repeated percentage change. Solve growth and decay problems.  Solve problems involving compound measures.  Calculate average speed, distance and time. Use formulae to calculate speed and acceleration. Use ratio and proportion in measures and conversions. Use inverse proportions.  We inverse proportions.  Recognise 3D shapes using the correct mathematical words. Understand the 2D shapes that make up 3D objects. Identify and sketch planes of symmetry of 3D shapes. Sketch 3D shapes based on their plans and elevations. Make accurate drawings of triangles using a ruler, protractor a compasses. Identify SSS, ASA, SAS and RHS triangles as unique from a give description. Identify congruent triangles  Draw diagrams to scale.  Correctly interpret scales in real-life contexts.  Use scales on maps and diagrams to work out lengths and dist Know when to use exact measurements and estimations on sc drawings and maps.  Draw lengths and distances correctly on given scale drawings. Accurately draw angles and 2D shapes using a ruler, protracto compasses.  Construct a polygon inside a circle.  Recognise nets and make accurate drawings of nets of commo objects.  Draw loci for the path of points that follow a given rule. Identify regions bounded by loci to solve practical problems. Find and use three-figure bearings.  Use angles at parallel lines to work out bearings.  Solve problems involving bearings and scale diagrams.  Multiply double brackets.  Recognise quadratic expressions.  Square single brackets.  Plot graphs of quadratic function.  Use quadratic equations ax2 + bx + c = 0 using a graph.  Solve quadratic equations ax2 + bx + c = k
16/03/2020 23/03/2020 23/03/2020 27/04/2020 27/04/2020 11/05/2020 11/05/2020	14.2 Growth and decay  14.3 Compound measures  14.4 Distance, speed and time  14.5 Direct and inverse proportion  TEST  15 Constructions, loci and bearings  15.1 3D solids  15.2 Plans and elevations  15.3 Accurate drawings 1  15.4 Scale drawings and maps  15.5 Accurate drawings 2  15.6 Constructions  15.7 Loci and regions  15.8 Bearings  16.1 Expanding double brackets  16.2 Plotting quadratic graphs  16.3 Using quadratic graphs  16.4 Factorising quadratic expressions	Convert between metric measures. Understand ratio notation, and be able to write a ratio in its simplest form. Find a percentage of an amount and relate percentages to decimals. Rearrange equations and use these to solve problems. Know speed = distance/time, density = mass/volume. Find the equation of a line from a graph. Identify a graph showing direct proportion. Convert percentages to decimals. Express one number as a percentage of another. Work out percentage increases and decreases. Write powers of numbers in index form. Relate percentages to decimals. Understand 'rate' as a mathematical concept. Substitute into and solve equations. Rearrange equations. Convert between metric units of volume. Calculate the area of a trapezium. Calculate the area of a trapezium. Calculate the volume of a prism. Find speed in km/h, given distance travelled in minutes. Convert between metric units of length. Identify graphs showing direct proportion. Write a ratio as a unit ratio.  Measure and draw lines. Write a ratio in the form 1: m and in its simplest form. Know the 8 points of the compass. Draw a net of a 3D shape. Know clockwise, anticlockwise. Identify ongruent shapes.  Recall names of common 2D shapes.  Recall names of common 3D shapes. Rout departed the meaning of 'congruence'. Draw lines, angles and circles accurately  Work out scale factor of an enlargement. Write a ratio in the form 1: m, and write equivalent ratios. Understand of the meaning of 'congruence'.  Draw lines, angles and circles accurately  Work out scale factors of enlargement.  Identify a solid from its net.  Identify a solid from its net.  Identify a solid from its net.  Identify a legberaic expression. Multiply a legberaic expressions. Multiply algebraic expressions. Multiply a legonal condition and collect 'like' terms. Be able to work out area of a shape using algebraic terms.  Simplify algebraic expressions. Multiply double brackets and collect 'like' terms. Be able to work out area of a shape using algebraic terms.  Shut producing the square ro	4 3 3 3 3 4 4 4 4	4 4 4 5 3 3 3 4 4 4 5	Express a given number as a percentage of another in more co situations. Find the original amount given the final amount after a percent increase or decrease. Find an amount after repeated percentage change. Solve growth and decay problems.  Solve problems involving compound measures.  Calculate average speed, distance and time. Use formulae to calculate speed and acceleration. Use ratio and proportion in measures and conversions. Use inverse proportions.  We inverse proportions.  Recognise 3D shapes using the correct mathematical words. Understand the 2D shapes that make up 3D objects. Identify and sketch planes of symmetry of 3D shapes. Sketch 3D shapes based on their plans and elevations. Make accurate drawings of triangles using a ruler, protractor a compasses. Identify SSS, ASA, SAS and RHS triangles as unique from a give description. Identify congruent triangles  Draw diagrams to scale.  Correctly interpret scales in real-life contexts.  Use scales on maps and diagrams to work out lengths and dist Know when to use exact measurements and estimations on sc drawings and maps.  Draw lengths and distances correctly on given scale drawings. Accurately draw angles and 2D shapes using a ruler, protracto compasses.  Construct a polygon inside a circle.  Recognise nets and make accurate drawings of nets of commo objects.  Draw loci for the path of points that follow a given rule. Identify regions bounded by loci to solve practical problems. Find and use three-figure bearings.  Use angles at parallel lines to work out bearings.  Solve problems involving bearings and scale diagrams.  Multiply double brackets.  Recognise quadratic expressions.  Square single brackets.  Plot graphs of quadratic function.  Use quadratic equations ax2 + bx + c = 0 using a graph.  Solve quadratic equations ax2 + bx + c = k
16/03/2020 23/03/2020 23/03/2020 27/04/2020 27/04/2020 11/05/2020 11/05/2020	14.2 Growth and decay  14.3 Compound measures  14.4 Distance, speed and time  14.5 Direct and inverse proportion  TEST  15 Constructions, loci and bearings  15.2 Plans and elevations  15.3 Accurate drawings 1  15.4 Scale drawings and maps  15.5 Accurate drawings 2  15.6 Constructions  15.7 Loci and regions  15.8 Bearings  16.1 Expanding double brackets  16.2 Plotting quadratic graphs  16.3 Using quadratic graphs  16.5 Solving quadratic graphs  16.5 Solving quadratic equations and graphs  16.5 Solving quadratic equations algebraically	Convert between metric measures. Understand ratio notation, and be able to write a ratio in its simplest form. In a precentage of an amount and relate percentages to decimals. Rearrange quations and use these to solve problems. Know speed = distance/time, density = mass/volume. The density = mass/volume. The density a graph showing direct proportion. Convert percentages to decimals. Berpress one number as a percentage of another. Work out percentage increases and decreases. Write powers of numbers in index form. Relate percentages to decimals. Understand 'rate' as a mathematical concept. Substitute into and solve equations. Rearrange equations. Convert between metric units of volume. Calculate the area of a trapezium. Calculate the area of a trapezium. Calculate the volume of a prism. Find speed in km/h, given distance travelled in minutes. Convert between metric units of length.  Measure and draw lines. Write a ratio as a unit ratio.  Measure and draw lines. Write a ratio in the form 1 : m and in its simplest form. Know the 8 points of the compass. Draw a net of a 3D shape. Know clockwise, anticlockwise. Identify organust shapes. Recall names of common 2D shapes. Recall names of common 2D shapes. Recall names of common 3D shapes. Know the properties of special triangles and quadrilaterals. Understand of the meaning of 'congruence'. Draw lines, angles and circles accurately  Work out scale factor of an enlargement.  Write a ratio in the form 1 : m, and write equivalent ratios. Convert between metric measurements of length.  Knowledge of scale factors of enlargement. Identify a solid from its net.  Identify a parallel and perpendicular lines. Draw lines accurately.  Convert distances from map scale to real life distance and vice versa.  Construct the perpendicular bisector.  Working out the complement to 180 or 360 (addition and subtraction).  Recall this properties of angles at a point, angles on a straight line, alternate and collect 'like' terms.  Be able to square terms.  Identify algebraic expressions.  Mul	4 3 3 3 1 1 3 4 4 4 4	4 4 4 5 3 3 3 4 4 4 4	Express a given number as a percentage of another in more co situations. Find the original amount given the final amount after a percent increase or decrease. Find an amount after repeated percentage change. Solve growth and decay problems.  Solve problems involving compound measures.  Calculate average speed, distance and time. Use formulae to calculate speed and acceleration. Use ratio and proportion in measures and conversions. Use inverse proportions.  We inverse proportions.  Recognise 3D shapes using the correct mathematical words. Understand the 2D shapes that make up 3D objects. Identify and sketch planes of symmetry of 3D shapes. Sketch 3D shapes based on their plans and elevations. Make accurate drawings of triangles using a ruler, protractor a compasses. Identify SSS, ASA, SAS and RHS triangles as unique from a give description. Identify congruent triangles  Draw diagrams to scale.  Correctly interpret scales in real-life contexts.  Use scales on maps and diagrams to work out lengths and dist Know when to use exact measurements and estimations on sc drawings and maps.  Draw lengths and distances correctly on given scale drawings. Accurately draw angles and 2D shapes using a ruler, protracto compasses.  Construct a polygon inside a circle.  Recognise nets and make accurate drawings of nets of commo objects.  Draw loci for the path of points that follow a given rule. Identify regions bounded by loci to solve practical problems. Find and use three-figure bearings.  Use angles at parallel lines to work out bearings.  Solve problems involving bearings and scale diagrams.  Multiply double brackets.  Recognise quadratic expressions.  Square single brackets.  Plot graphs of quadratic function.  Use quadratic equations ax2 + bx + c = 0 using a graph.  Solve quadratic equations ax2 + bx + c = k
16/03/2020 23/03/2020 23/03/2020 27/04/2020 27/04/2020 11/05/2020 11/05/2020	14.2 Growth and decay  14.3 Compound measures  14.4 Distance, speed and time  14.5 Direct and inverse proportion  TEST  15 Constructions, loci and bearings  15.2 Plans and elevations  15.3 Accurate drawings 1  15.4 Scale drawings and maps  15.5 Accurate drawings 2  15.6 Constructions  15.7 Loci and regions  15.8 Bearings  16.1 Expanding double brackets  16.2 Plotting quadratic graphs  16.3 Using quadratic graphs  16.5 Solving quadratic graphs  16.5 Solving quadratic equations and graphs  16.5 Solving quadratic equations algebraically	Convert between metric measures. Understand ratio notation, and be able to write a ratio in its simplest form. Timid a percentage of an amount and relate percentages to decimals. Rearrange equations and use these to solve problems. Know speed = distance/time, density = mass/volume. Find the equation of a line from a graph. Identify a graph showing direct proportion. Convert percentages to decimals. Express one numbers as a percentage of another. Work out percentage increases and decreases. Write powers of numbers in index form. Relate percentages to decimals. Understand "rate" as a mathematical concept. Substitute into and solve equations. Convert between metric units of volume. Calculate the area of a trapezium. Calculate the volume of a prism. Find speed in km/h, given distance travelled in minutes. Convert between metric units of length. Identify graphs showing direct proportion. Write a ratio as a unit ratio.  Measure and draw lines. Write a ratio in the form 1 : m and in its simplest form. Know the B points of the compass. Draw a net of a 3D shape. Know clockwise, anticlockwise. Identify congruent shapes. Recall names of common 2D shapes. Recall names of common 3D shapes. Recall names of common 3D shapes. Recall names of common 3D shapes.  Work out scale factor of an enlargement.  Write a ratio in the form 1 : m, and write equivalent ratios.  Understand of the meaning of 'congruence'.  Draw lines, angles and circles accurately  Work out scale factors of enlargement.  Write a ratio in the form 1 : m, and write equivalent ratios.  Convert between metric measurements of length.  Knowledge of scale factors of enlargement.  Identify parallel and perpendicular lines. Draw lines accurately.  Construct the perpendicular bisector.  Working out the complement to 180 or 360 (addition and subtraction), and subtraction, and subtraction, and subtraction, and subtraction, and subtraction and sub	4 3 3 3 1 1 3 4 4 4 4	4 4 4 5 3 3 3 4 4 4 4	Express a given number as a percentage of another in more co situations. Find the original amount given the final amount after a percent increase or decrease. Find an amount after repeated percentage change. Solve growth and decay problems.  Solve problems involving compound measures.  Calculate average speed, distance and time. Use formulae to calculate speed and acceleration. Use ratio and proportion in measures and conversions. Use inverse proportions.  We inverse proportions.  Recognise 3D shapes using the correct mathematical words. Understand the 2D shapes that make up 3D objects. Identify and sketch planes of symmetry of 3D shapes. Sketch 3D shapes based on their plans and elevations. Make accurate drawings of triangles using a ruler, protractor a compasses. Identify SSS, ASA, SAS and RHS triangles as unique from a give description. Identify congruent triangles  Draw diagrams to scale.  Correctly interpret scales in real-life contexts.  Use scales on maps and diagrams to work out lengths and dist Know when to use exact measurements and estimations on sc drawings and maps.  Draw lengths and distances correctly on given scale drawings. Accurately draw angles and 2D shapes using a ruler, protracto compasses.  Construct a polygon inside a circle.  Recognise nets and make accurate drawings of nets of commo objects.  Draw loci for the path of points that follow a given rule. Identify regions bounded by loci to solve practical problems. Find and use three-figure bearings.  Use angles at parallel lines to work out bearings.  Solve problems involving bearings and scale diagrams.  Multiply double brackets.  Recognise quadratic expressions.  Square single brackets.  Plot graphs of quadratic function.  Use quadratic equations ax2 + bx + c = 0 using a graph.  Solve quadratic equations ax2 + bx + c = k
16/03/2020 23/03/2020 23/03/2020 27/04/2020 27/04/2020 11/05/2020 11/05/2020	14.2 Growth and decay  14.3 Compound measures  14.4 Distance, speed and time  14.5 Direct and inverse proportion  TEST  15 Constructions, loci and bearings  15.2 Plans and elevations  15.3 Accurate drawings 1  15.4 Scale drawings and maps  15.5 Accurate drawings 2  15.6 Constructions  15.7 Loci and regions  15.8 Bearings  16.1 Expanding double brackets  16.2 Plotting quadratic graphs  16.3 Using quadratic graphs  16.5 Solving quadratic graphs  16.5 Solving quadratic equations and graphs  16.5 Solving quadratic equations algebraically	Convert between metric measures. Understand ratio notation, and be able to write a ratio in its simplest form. In simplest form. In a precentage of an amount and relate percentages to decimals. Rearrange equations and use these to solve problems. Know speed = distance/time, density = mass/volume, find the equation of a line from a graph. Identify a graph showing direct proportion. Convert percentages to decimals. Express one numbers as a percentage of another. Work out percentage increases and decreases. Write powers of numbers in index form. Relate percentages to decimals. Understand "rate" as a mathematical concept. Substitute into and solve equations. Rearrange equations. Convert between metric units of volume. Calculate the area of a trapezium. Calculate the area of a trapezium. Calculate the area of a trapezium. Convert between metric units of length. Identify graphs showing direct proportion. Write a ratio as a unit ratio.  Measure and draw lines. Write a ratio in the form 1 : m and in its simplest form. Know the 8 points of the compass. Draw a net of a 3D shape. Know clockwise, anticlockwise. Identify congruent shapes. Recall names of common 3D shapes. Know the properties of special triangles and quadrilaterals. Understand of the meaning of 'congruence'. Draw lines, angles and circles accurately  Work out scale factor of an enlargement. Write a ratio in the form 1 : m, and write equivalent ratios. Convert between metric measurements of length.  Knowledge of scale factors of enlargement.  dentify a solid from its net.  dentify a parallel and perpendicular lines.  Draw lines, angles and circles accurately  Work out scale factors of enlargement.  dentify a solid from its net.  dentify a parallel and perpendicular lines.  Draw lines and a negative and plot a straight line graph.  Define the origin and x-axis on a graph.  Copy	4 3 3 3 1 1 3 4 4 4 4	4 4 4 5 3 3 3 4 4 4 4	Express a given number as a percentage of another in more co situations. Find the original amount given the final amount after a percent increase or decrease Find an amount after repeated percentage change. Solve growth and decay problems.  Solve problems involving compound measures.  Calculate average speed, distance and time. Use formulae to calculate speed and acceleration. Use ratio and proportion in measures and conversions. Use inverse proportions.  We inverse proportions.  Bescribe 3D shapes using the correct mathematical words. Understand the 2D shapes that make up 3D objects. Identify and sketch planes of symmetry of 3D shapes. Sketch 3D shapes based on their plans and elevations.  Make accurate drawings of triangles using a ruler, protractor a compasses. Identify SSS, ASA, SAS and RHS triangles as unique from a give description. Identify congruent triangles Draw diagrams to scale.  Correctly interpret scales in real-life contexts.  Use scales on maps and diagrams to work out lengths and dist Know when to use exact measurements and estimations on sc drawings and maps. Draw lengths and distances correctly on given scale drawings.  Accurately draw angles and 2D shapes using a ruler, protractor compasses.  Draw loci for the path of points that follow a given rule. Identify regions bounded by loci to solve practical problems.  Find and use three-figure bearings.  Use angles at parallel lines to work out bearings.  Use angles at parallel lines to work out bearings.  Solve problems involving bearings and scale diagrams.  Multiply double brackets.  Recognise quadratic expressions.  Square single brackets.  Plot graphs of quadratic function.  Use quadratic graphs to solve problems.  Solve quadratic equations ax2 + bx + c = 0 using a graph.  Solve quadratic equations ax2 + bx + c = 0 using a graph.
16/03/2020 23/03/2020 23/03/2020 20/04/2020 20/04/2020 21/05/2020 21/05/2020 20/06/2020	14.2 Growth and decay  14.3 Compound measures  14.4 Distance, speed and time  14.5 Direct and inverse proportion  TEST  15 Constructions, loci and bearings  15.2 Plans and elevations  15.3 Accurate drawings 1  15.4 Scale drawings and maps  15.5 Accurate drawings 2  15.6 Constructions  15.7 Loci and regions  15.8 Bearings  16.1 Expanding double brackets  16.2 Plotting quadratic graphs  16.3 Using quadratic graphs  16.5 Solving quadratic graphs  16.5 Solving quadratic equations and graphs  16.5 Solving quadratic equations algebraically	Convert between metric measures. Understand ratio notation, and be able to write a ratio in its simples form. Find a percentage of an amount and relate percentages to decimals. Rearrange equations and use these to solve problems. Know speed = distance/time, deensty = mass/volume, find the equation of a line from a graph. Identify a graph showing direct proportion. Convert percentages to decimals. Express one number as a percentage of another. Work out percentage increases and decreases. Write powers of numbers in index form. Relate percentages to decimals. Understand "rate" as a mathematical concept. Substitute into and solve equations. Convert between metric units of volume. Calculate the area of a trapezium. Calculate the area of a trapezium. Convert between metric units of length. Identify graphs showing direct proportion. Write a ratio in the form 1: m and in its simplest form. Know the 8 points of the compass. Draw a net of a 3D shape. Know doctwike, anticlockwise. Identify congruent shapes. Recall names of common 2D shapes.  Identify names of 2D shapes from faces of 3D solids. Recall names of common 3D shapes. Know the properties of special triangles and quadrilaterals. Understand of the meaning of "congruence".  Draw lines, angles and circles accurately  Work out scale factor of an enlargement.  Write a ratio in the form 1: m, and write equivalent ratios. Convert between metric measurements of length.  Identify parallel and perpendicular lines. Draw lines accurately to the properties of angles at a point, angles on a straight line, and a condition and subtraction).  Recall the roperties of angles at a point, angles on a straight line, and condition and subtraction in the form 1: m, and write equivalent ratios. Convert between metric measurements of length.  Knowledge of scale factors of enlargement.  Identify a solid from its net.  Be able to work out area of a shape using algebraic terms.  Be able to wo	4 3 3 3 1 1 3 4 4 4 4	4 4 4 5 3 3 3 4 4 4 4	Express a given number as a percentage of another in more costituations. Find the original amount given the final amount after a percent increase or decrease. Find an amount after repeated percentage change. Solve growth and decay problems. Solve problems involving compound measures.  Convert between metric speed measures.  Calculate average speed, distance and time. Use formulae to calculate speed and acceleration. Use ratio and proportion in measures and conversions. Use inverse proportions.  Recognise 3D shapes using the correct mathematical words. Understand the 2D shapes that make up 3D objects. Identify and sketch planes of symmetry of 3D shapes. Sketch 3D shapes based on their plans and elevations.  Make accurate drawings of triangles using a ruler, protractor a compasses. Lidentify congruent triangles Draw diagrams to scale. Correctly interpret scales in real-life contexts. Use scales on maps and diagrams to work out lengths and dist Know when to use exact measurements and estimations on so drawings and maps. Draw lengths and distances correctly on given scale drawings. Accurately draw angles and 2D shapes using a ruler, protractor compasses. Breat angles and lines using rulers and compasses. Breat angles and grams to work out bearings.  Solve problems involving bearings and scale diagrams.  Multiply double brackets.  Recognise quadratic expressions.  Square single brackets.  Recognise quadratic equations av2 + bx + c = 0 using a graph.  Solve quadratic equations av2 + bx + c = 0 using a graph.  Solve quadratic equations av2 + bx + c = 0 using a graph.  Solve quadratic equations av2 + bx + c = 0 using a graph.
16/03/2020 23/03/2020 23/03/2020 20/04/2020 20/04/2020 21/05/2020 21/05/2020 20/06/2020	14.2 Growth and decay  14.3 Compound measures  14.4 Distance, speed and time  14.5 Direct and inverse proportion  TEST  15 Constructions, loci and bearings  15.1 3D solids  15.2 Plans and elevations  15.4 Scale drawings and maps  15.5 Accurate drawings 2  15.6 Constructions  15.7 Loci and regions  15.8 Bearings  16.1 Expanding double brackets  16.2 Plotting quadratic graphs  16.3 Using quadratic graphs  16.4 Factorising quadratic equations algebraically  17 Perimeter, area and volume 2	Convert between metric measures. Understand ratio notation, and be able to write a ratio in the simplest form. It is simplest form. It is simplest form. It is simplest form. It is a preventage of an amount and relate percentages to decimals. Rearrange equations and use these to solve problems. Know speed = distance/time, density = mass/volume, find the equation of a line from a graph. Identify a graph showing direct proportion. Convert percentages to decimals. Express one numbers as a percentage of another. Work out percentage increases and decreases. Write powers of numbers in index form. Relate percentages to decimals. Understand "rate" as a mathematical concept. Substitute into and solve equations. Rearrange equations. Convert between metric units of volume. Calculate the area of a trapezium. Calculate the area of a trapezium. Convert between metric units of length. Identify graphs showing direct proportion. Write a ratio as a unit ratio.  Measure and draw lines. Write a ratio in the form 1: m and in its simplest form. Know the 8 points of the compass. Draw a net of a 3D shape. Know clockwise, anticlockwise. Identify congruent shapes. Recall names of common 2D shapes.  Identify congruent shapes. Recall names of common 2D shapes.  Work out scale factor of an enlargement.  Write a ratio in the form 1: m, and write equivalent ratios.  Draw lines, angles and circles accurately  Work out scale factor of an enlargement.  Write a ratio in the form 1: m, and write equivalent ratios. Convert between metric measurements of length.  Knowledge of scale factors of enlargement.  Identify a solid from its net.  Identify the equation of the mirror line. Copy and complete a table of values and plot a straight l	4 3 3 1 1 3 4 4 4 4	4 4 4 5 3 3 3 3 3 3 3	Express a given number as a percentage of another in more costituations. Find the original amount given the final amount after a percent increase or decrase. Solve growth and decay problems. Solve problems involving compound measures.  Convert between metric speed measures.  Calculate average speed, distance and time. Use formulae to calculate speed and acceleration. Use ratio and proportion in measures and conversions.  Use inverse proportions.  Recognise 3D shapes using the correct mathematical words. Understand the 2D shapes that make up 3D objects. Identify and sketch planes of symmetry of 3D shapes. Sketch 3D shapes based on their plans and elevations.  Make accurate drawings of triangles using a ruler, protractor a compasses. Identify SSS, ASS, ASS and RHS triangles as unique from a give description. Itelantify Congruent triangles Draw diagrams to scale.  Correctly interpret scales in real-life contexts. Use scales on maps and diagrams to work out lengths and dist Know when to use exact measurements and estimations on sc drawings and maps.  Accurately draw angles and 2D shapes using a ruler, protractor compasses.  Construct a polygon inside a circle.  Recognise nets and make accurate drawings of nets of commo objects.  Draw long for the path of points that follow a given rule. Identify regions bounded by loci to solve practical problems. Find and use three-figure bearings.  Use angles at parallel lines to work out bearings.  Solve problems involving bearings and scale diagrams.  Multiply double brackets.  Recognise quadratic expressions.  Squar gaips of quadratic function.  Recognise quadratic expressions.  Squar gaips of quadratic equations ax2 + bx + c = 0 using a graph.  Solve quadratic equations ax2 + bx + c = k  Using a graph.
16/03/2020 23/03/2020 23/03/2020 20/04/2020 20/04/2020 21/05/2020 21/05/2020 20/06/2020	14.2 Growth and decay  14.3 Compound measures  14.4 Distance, speed and time  14.5 Direct and inverse proportion  TEST  15 Constructions, loci and bearings  15.1 3D solids  15.2 Plans and elevations  15.3 Accurate drawings 1  15.4 Scale drawings and maps  15.5 Accurate drawings 2  15.6 Constructions  15.7 Loci and regions  15.8 Bearings  16.1 Expanding double brackets  16.2 Plotting quadratic graphs  16.3 Using quadratic graphs  16.3 Using quadratic equations and graphs  16.4 Factorising quadratic expressions  16.5 Solving quadratic equations algebraically  17.1 Circumference of a circle 1	Convert between metric measures. Understand ratio notation, and be able to write a ratio in this simplest form. Find a percentage of an amount and relate percentages to decimals. Rearrange equations and use these to solve problems. Know speed - distance/time, density = mas. Syolome. Find the equation of a line from a graph. Identify a graph showing direct proportion. Convert percentages to decimals. Express one number as a percentage of another. Work out percentage increases and decreases. Write powers of numbers in index form. Relate percentages to decimals. Understand 'rate' as a mathematical concept. Substitute into and solve equations. Convert between metric units of volume. Calculate the area of a trapezium. Calculate the area of a trapezium. Calculate the volume of a prism. Find speed in km/h, given distance travelled in minutes. Convert between metric units of length. Identify graphs showing direct proportion. Write a ratio as a unit ratio.  Measure and draw lines. Write a ratio as a unit ratio.  Measure and craw lines. Write a ratio as a unit ratio.  Measure and from 1: m and in its simplest form. Know the Spoints of the compass. Draw a net of a 3D shape. Know colochwise, anticlockwise. Identify names of 2D shapes from faces of 3D solids. Recall names of common 3D shapes. Recall names of common 3D shapes. Recall names of common 3D shapes. Row the properties of special triangles and quadrilaterals. Understand of the meaning of 'congruence'. Draw lines, angles and circles accurately  Work out scale factor of an enlargement.  Write a ratio in the form 1: m, and write equivalent ratios.  Convert between metric measurements of length.  Knowledge of scale factors of enlargement.  Identify a solid from its net.  Identify a solid from its net.  Identify a solid from its net.  Identify a solid from tener to 180 or 360 (addition and subtraction).  Recal the properties of angles at a point, angles on a straight line, alternate and collect 'like' terms.  Be able to work out area of a shape using algebraic terms, li	4 3 3 1 1 3 3 4 4 4 4	4 4 4 5 3 3 3 3 3 3 3	Express a given number as a percentage of another in more costituations. Find the original amount given the final amount after a percent increase or decrease. Find an amount after repeated percentage change. Solve growth and decrease. Find an amount after repeated percentage change. Solve growth and decrease. Find an amount after repeated percentage change. Solve problems involving compound measures.  Convert between metric speed measures.  Calculate average speed, distance and time. Use formulae to calculate speed and acceleration. Use ratio and proportion in measures and conversions.  Use inverse proportions.  Recognise 3D shapes using the correct mathematical words. Understand the 2D shapes that was up 3D objects. Identify and sketch planes of symmetry of 3D shapes. Describe 3D shapes based on their plans and elevations.  Make accurate drawings of triangles using a ruler, protractor a compasses.  Make accurate drawings of triangles as unique from a giver description. Identify congruent triangles.  Draw diagrams to scale.  Correctly interpret scales in real-life contexts.  Use scales on maps and diagrams to work out lengths and dist Know when to use exact measurements and estimations on sc drawings and maps.  Praw lengths and distances correctly on given scale drawings.  Accurately draw angles and 2D shapes using a ruler, protracto compasses.  Construct a polygon inside a circle.  Recognise nets and make accurate drawings of nets of commo objects.  Draw loci for the path of points that foliow a given rule.  Identify regions bounded by loci to solve practical problems.  Find and use three-liqure bearings.  Use angles at parallel lines to work out bearings.  Solve problems involving bearings and scale diagrams.  Solve graphs of quadratic function.  Use quadratic equations as 2 + bx + c = 0 using a graph.  Solve quadratic equations as 2 + bx + c = 0 using a graph.  Solve problems involving the circumference of a circle.  Calculate the circumference and radius of a circle.  Calculate the circumference and radius
16/03/2020 23/03/2020 23/03/2020 20/04/2020 20/04/2020 21/05/2020 21/05/2020 20/06/2020	14.2 Growth and decay 14.3 Compound measures  14.4 Distance, speed and time  14.5 Direct and inverse proportion  TEST 15 Constructions, loci and bearings  15.1 3D solids 15.2 Plans and elevations  15.3 Accurate drawings 1  15.4 Scale drawings and maps  15.5 Accurate drawings 2  15.6 Constructions 15.7 Loci and regions 15.8 Bearings  16.1 Expanding double brackets  16.2 Plotting quadratic graphs  16.3 Using quadratic graphs  16.5 Solving quadratic graphs  16.7 Perimeter, area and volume 2  17 Perimeter, area and volume 2  17.1 Circumference of a circle 1  17.2 Circumference of a circle 2	Convert between metric measures. Understand ratio notation, and be able to write a ratio in ts simples form. Find a percentage of an amount and relate percentages to decimals. Rearrange equations and use these to solve problems. Know speed - distance/lime, density = max/volume. Find the equation of all ine from a graph. Identify a graph showing direct proportion. Convert percentages to decimals. Express one number as a percentage of another. Work out percentage increases and decreases. Write powers of numbers in index form. Relate percentages to decimals.  Lunderstand 'rate' as a mathematical concept. Substitute into and solve equations. Rearrange equations. Convert between metric units of volume. Calculate the evolume of a prism. Find speed in km/h, given distance travelled in minutes. Convert between metric units of length.  Identify graphs showing direct proportion. Write a ratio as a unit ratio.  Measure and draw lines. Write a ratio as a unit ratio.  Measure and draw lines. Write a ratio in the form 1: m and in its simplest form. Know the 8 points of the compass. Draw a net of a 3D shape. Know the properties of special triangles and quadrilaterals.  Identify congruent shapes. Recall names of common 3D shapes. Know the properties of special triangles and quadrilaterals. Understand of the meaning of 'congruence'.  Draw lines, angles and circles accurately  Work out scale factor of an enlargement.  Write a ratio in the form 1: m, and write equivalent ratios. Convert between metric measurements of length.  Knowledge of scale factors of enlargement.  Identify a parallel and perpendicular lines. Draw lines, angles and circles accurately  Work out scale factor of an enlargement.  General the properties of angles at a point, angles on a straight line, afternate and corresponding angles.  Knowledge of scale factors of enlargement and plot a straight ine, afternate and corresponding angles.  Square negative numbers.  Substitute into formulae.  Be able to square terms.  Be able to work out area of a shape using algeb	4 3 3 1 1 3 3 4 4 4 4	4 4 4 5 3 3 3 4 4 5	Express a glyen number as a percentage of another in more costituations. Find the original amount given the final amount after a percent increase or decrease.  Find an amount after repeated percentage change. Solve growth and decay problems.  Solve problems involving compound measures.  Convert between metric speed measures.  Calculate average speed, distance and time.  Use formulae to calculate speed and acceleration.  Use ratio and proportion in measures and conversions.  Use inverse proportions.  Becoribe 3D shapes using the correct mathematical words.  Understand the 2D shapes that make up 3D objects.  Understand and draw plans and elevations of 3D shapes.  Sketch 3D shapes based on their plans and elevations.  Make accurate drawings of triangles using a ruler, protractor accompasses.  Lidentify song triangles.  Understand and draw plans and elevations of 3D shapes.  Sketch 3D shapes based on their plans and elevations.  Make accurate drawings of triangles using a ruler, protractor compasses.  Lidentify congruent triangles.  Correctly interpret scales in real-life contexts.  Use scales on maps and diagrams to work out lengths and dist Know when to use exact measurements and estimations on sc drawings and maps.  Praw lengths and distances correctly on given scale drawings.  Accurately draw angles and 2D shapes using a ruler, protractor compasses.  Draw lengths and distances correctly on given scale drawings.  Accurately draw angles and 2D shapes using a ruler, protractor compasses.  Draw loci for the path of points that follow a given rule.  Identify regions bounded by loci to solve practical problems.  Find and use three-liquire bearings.  Use angles at parallel lines to work out bearings.  Solve problems involving the circumference of a circle.  Calculate the circumference and radius of a circle.  Solve problems involving the circumference of a circle.  Solve quadratic equations as 2 + bx + c = 0 using a graph.  Solve quadratic equations as 2 + bx + c = 0 using a graph.  Solve problems involving the draw o
16/03/2020 23/03/2020 0	14.2 Growth and decay 14.3 Compound measures  14.4 Distance, speed and time  14.5 Direct and inverse proportion  TEST 15 Constructions, loci and bearings  15.1 3D solids 15.2 Plans and elevations  15.3 Accurate drawings 1  15.4 Scale drawings and maps  15.5 Accurate drawings 2  15.6 Constructions 15.7 Loci and regions 15.8 Bearings  16.1 Expanding double brackets  16.2 Plotting quadratic graphs  16.3 Using quadratic graphs  16.5 Solving quadratic graphs  16.7 Perimeter, area and volume 2  17 Perimeter, area and volume 2  17.1 Circumference of a circle 1  17.2 Circumference of a circle 2	Convert between metric measures. Understand ratio notation, and be able to write a ratio ints simplest form. Find a percentage of an amount and relate percentages to decimals. Rearrange equations and use these to solve problems. Know speed = distance/time, density = mask/solume, Find the equation of a line from a graph. Identify a graph showing direct proportion. Convert percentages to decimals. Express one numbers as a percentage of another. Work out percentage increases and decreases. Write powers of numbers in index form. Relate percentages to decimals. Understand 'rate' as a mathematical concept. Substitute into and solve equations. Rearrange equations. Convert between metric units of volume. Colculate the area of a trapezium. Colculate the area of a trapezium. Colculate the area of a prism. Find speed in knyfi, given distance travelled in minutes. Convert between metric units of length. Identify graphs showing direct proportion. Write a ratio in the form 1: m and in its simplest form. Know the 8 points of the compass. Draw a net of a 3D shape. Know colcewise, anticlockwise. Identify congruent shapes. Recall names of common 2D shapes. Recall names of common 2D shapes. Recall names of common 3D shapes. Roow to colcewise, anticlockwise. Identify names of 2D shapes from faces of 3D solids. Recall names of common 3D shapes. Convert between metric measurements of length. Understand of the meaning of congruence'. Draw lines, angles and circles accurately  Work out scale factor of an enlargement.  Identify a solid from its net.  Identify a special expressions.  Multiply a dispersal expressions.  Multiply a special expressions.  Multiply a dispersal expressions.  Multiply a special expressions.  Multiply double brackets and congraph.  Work out factor pairs of negative numbers  Multiply double th	4 3 3 1 1 3 3 4 4 4 4	4 4 4 5 4 5 4 5 4 5 4 5	Express a given number as a percentage of a nother in more costituations. Find the original amount given the final amount after a percent increase or decrease. Find an amount after repeated percentage change. Solve growth and decay problems. Solve problems involving compound measures.  Solve problems involving compound measures.  Convert between metric speed measures. Calculate average speed, distance and time. Use formulae to calculate speed and acceleration. Use ratio and proportion in measures and conversions. Use inverse proportions.  Recognise 3D shapes using the correct mathematical words. Understand the 2D shapes that make up 3D objects. Identify and sketch planes of symmetry of 3D shapes. Understand and draw plans and elevations of 3D shapes. Sketch 3D shapes based on their plans and elevations.  Make accurate drawings of triangles as unique from a give description. Identify congruent triangles Draw diagrams to scale.  Correctly interpret scales in real-life contexts. Use scales on maps and diagrams to work out lengths and dist Know when to use exact measurements and estimations on sc drawings and maps.  Accurately draw angles and 2D shapes using a ruler, protractor compasses.  Construct a polygon inside a circle.  Recognise nets and make accurate drawings of nets of commo objects.  Draw lengths and distances correctly on given scale drawings.  Accurately draw angles and 2D shapes using a ruler, protractor compasses.  Draw loci for the path of points that follow a given rule.  Identify regions bounded by loci to solve practical problems. Find and use three-figure bearings.  Use angles at parallel lines to work out bearings.  Solve problems involving bearings and scale diagrams.  Multiply double brackets.  Recognise a quadratic function.  Use quadratic equations as 2 + bx + c = 0 using a graph.  Solve problems involving the cardiage of circles and perimeters of the path of points that follows a graph.  Work out the rareof or circle.  Solve problems involving the cardiage of circles and perimeters of the
16/03/2020 23/03/2020 23/03/2020 25/04/2020 27/04/2020 27/04/2020 27/04/2020 27/04/2020	14.2 Growth and decay  14.3 Compound measures  14.4 Distance, speed and time  14.5 Direct and inverse proportion  TEST  15 Constructions, loci and bearings  15.1 3D solids  15.2 Plans and elevations  15.3 Accurate drawings 1  15.4 Scale drawings and maps  15.5 Accurate drawings 2  15.6 Constructions  15.7 Loci and regions  15.8 Bearings  16.1 Expanding double brackets  16.2 Plotting quadratic graphs  16.3 Using quadratic graphs  16.4 Factorising quadratic equations algebraically  17.Perimeter, area and volume 2  17.1 Circumference of a circle 1  17.2 Circumference of a circle 2  17.3 Area of a circle  17.4 Semicircles and sectors	Convert between metric measures. Understand ratio notation, and be able to write a ratio ints simplest form. Find a percentage of an amount and relate percentages to decimals. Rearrange equations and use these to solve problems. Know speed = distance/time, density = mass/kolume. Find the equation of aline from a graph. Identify a grab showing direct proportion. Convert percentages to decimals. Express one number as a percentage of another. Work out percentage increases and decreases. Write powers of numbers in index form. Relate percentages to decimals. Understand 'rate' as a mathematical concept. Substitute into and solve equations. Convert between metric units of volume. Coliculate the area of a trapezium. Calculate the volume of a prism. Find speed in km'ft, given distanct travelled in minutes. Convert between metric units of length.  Identify graphs showing direct proportion. Write a ratio in the form 1: m and in its simplest form. Know the 8 points of the compass. Draw a net of a 3D shapes. Know dockwise, antitolockwise. Identify names of common 3D shapes. Recall names of common 3D shapes. Convert between metric measurement.  Understand of the meaning of 'congruence'.  Draw lines, angles and circles accurately  Work out scale factor of an enlargement.  Write a ratio in the form 1: m, and write equivalent ratios.  Convert between metric measurements of length.  Knowledge of scale factors of enlargement.  Work out scale factors of enlargement.  Work out scale factors of enlargement.  Glentify a solid from its net.  Work out scale factors of enlargement.  Work out scale factors of enlargement.  Glentify a solid from its net.  Copy and complete a table of values and plot a straight line, alternate and corresponding angles.  Square negative numbers.  Square negative numbers.  Square negative numbers.  Square negative numbers.  Square negat	4 3 3 1 1 3 3 4 4 4 4 2	4 4 4 5 4 4 5 4 5 4 5 4 5	Express a given number as a percentage of another in more co situations. Find the original amount given the final amount after a percent increase or decrease.  Find an amount after repeated percentage change. Solve growth and decay problems.  Solve problems involving compound measures.  Convert between metric speed measures.  Calculate average speed, distance and time.  Use formulae to calculate speed measures.  Calculate average speed, distance and time.  Use ratio and proportion in measures and conversions.  Use inverse proportions.  Recognise 3D shapes using the correct mathematical words.  Understand the 2D shapes that make up 3D objects.  Understand and draw plans and elevations of 3D shapes.  Shetch 3D shapes based on their plans and elevations.  Make accurate drawings of triangles using a ruler, protractor a compasses.  Lidentify song went triangles.  Correctly interpret scales in real-life contexts.  Use scales on maps and diagrams to work out lengths and dist Know when to use exact measurements and estimations on sc drawings and maps.  Draw diagrams to scale.  Correctly interpret scales in real-life contexts.  Use scales on maps and diagrams to work out lengths and dist Know when to use exact measurements and estimations on sc drawings and maps.  Accurately draw angles and 2D shapes using a ruler, protractor compasses.  Draw lengths and distances correctly on given scale drawings.  Accurately draw angles and 2D shapes using a ruler, protractor compasses.  Draw loci for the path of points that follow a given rule.  Identify regions bounded by loci to solve practical problems.  Find and use three-lique bearings.  Use angles at parallel lines to work out bearings.  Solve problems involving the circumference of a circle.  Solve problems involving the drawer of a circle.  Solve problems involving the drawer of a circle.  Solve problems inv
15/04/2020 27/04/2020 27/04/2020 11/05/2020 11/05/2020 22/06/2020	14.2 Growth and decay 14.3 Compound measures  14.4 Distance, speed and time  14.5 Direct and inverse proportion  TEST  15 Constructions, loci and bearings  15.1 3D solids  15.2 Plans and elevations  15.3 Accurate drawings 1  15.4 Scale drawings and maps  15.5 Accurate drawings 2  15.6 Constructions  15.7 Loci and regions  15.8 Bearings  16.1 Expanding double brackets  16.2 Plotting quadratic graphs  16.3 Using quadratic graphs  16.4 Factorising quadratic equations algebraically  17 Perimeter, area and volume 2  17.1 Circumference of a circle 1  17.2 Circumference of a circle 2  17.3 Area of a circle	Convert between metric measures. Understand ratio notation, and be able to write a ratio ints simplest form. Find a percentage of an amount and relate percentages to decimans. Rearrange equations and use these to solve problems. Know speed – distance/filme, General proportion. Convert percentages to decimals. Express one number as a percentage of another. Work out percentage increases and decreases. Writes powards of numbers in index form. Relate percentages to decimals. Understand rated as a matematical concept. Substitute into as obve equations. Convert between metric units of volume. Calculate the area of a traperium. Find speed in km/h, given distance travelled in minutes. Convert between metric units of length.  Identify graphs showing direct proportion. Write a ratio as a unit ratio.  Measure and draw lines. Write a ratio as a unit ratio.  Measure and traw lines. Write a ratio as a unit ratio.  Measure and traw lines. Write a ratio as a unit ratio.  Measure and of a bispec. Know clockwise, anticlockwise, intentify congruents shapes. Recall names of common 20 shapes.  Recall names of common 30 shapes. Recall names of common 30 shapes.  Row of cockwise, anticlockwise, intentify congruents shapes.  Recall names of common 30 shapes.  Convert bathers from map scale to real life distance and vice versa.  Convert share from map scale to real life distance and vice versa.  Convert between metric measurements of length.  Work out scale factor of an enlargement.  Identify a parallel and perpendicular lines.  Draw lines, angles and circles accurately  Work out scale factors of enlargement.  Identify a parallel and perpendicular lines.  Draw lines accurately.  Convert between metric measurements of length.  Row of the measurements of length, and a subtraction.  Row of the perpendicular bisector.  Work out factor pairs of negative numbers  Multiply double brackets and of a shape u	4 3 3 1 1 3 3 4 4 4 4 2	4 4 4 5 4 5 4 5 4 5 5 5	Express a given number as a percentage of another in more co sistuations. Find the original amount given the final amount after a percent increase or decrease. Find an amount after repeated percentage change. Solve growth and decay problems. Solve problems involving compound measures.  Solve problems involving compound measures.  Calculate average speed, disctore and time. Use formulate to calculate speed and acceleration. Use ratio and proportion in measures and conversions. Use inverse proportions.  Becognise 3D shapes using the correct mathematical words. Understand the 2D shapes that make up 3D objects. Identify and sketch planes of symmetry of 3D shapes. Understand and draw plans and elevations of 3D shapes. Selecth 3D shapes based on their plans and elevations.  Make accurate drawings of triangles using a ruler, protractor a company selection of the state of the selection
15/04/2020 27/04/2020 27/04/2020 18/05/2020 11/05/2020 15/06/2020	14.2 Growth and decay  14.3 Compound measures  14.4 Distance, speed and time  14.5 Direct and inverse proportion  TEST  15 Constructions, loci and bearings  15.1 3D solids  15.2 Plans and elevations  15.3 Accurate drawings 1  15.4 Scale drawings and maps  15.6 Constructions  15.7 Loci and regions  15.8 Bearings  16.1 Expanding double brackets  16.2 Plotting quadratic graphs  16.3 Using quadratic graphs  16.4 Factorising quadratic equations algebraically  17 Perimeter, area and volume 2  17.1 Circumference of a circle 1  17.2 Circumference of a circle 2  17.3 Area of a circle  17.4 Semicircles and sectors	Convert between metric measures. Understand ratio notation, and be able to write a ratio ints simplest form. Find a percentage of an amount and relate percentages to decimals. Rearrange equations and use these to solve problems. Know speed = distrance/frime, density = mass/volume. Find the equation of a line from a graph. Identify a graph showing direct proportion. Convert percentages to decimals. Express one number as a percentage of another. Work out percentage increases and decreases. Write powers of numbers in index form. Relate percentage to decimals. Understand rizes as a mathematical concept. Substitute into and solve equations. Convert between metric units of volume. Calculate the area of a trapezium. Convert between metric units of length. Identify graphs showing direct proportion. Write a ratio in the form 1: m and in its simplest form. Know the 8 points of the compass. Draw a net of a 3D shape. Know clockwes, anticlockwise. Identify congruent shapes. Recall names of common 2D shapes.  Identify proporties of special triangles and underlaterage. Understand of the meaning of Congruence*.  Draw lines, angles and circles accurately  Work out scale factor of an enlargement.  Write a ratio in the form 1: m, and write equivalent ratios. Convert distances from map scale to real life distance and vice versa.  Convert the perpendicular bisector.  Work out scale factor of an enlargement.  Identify as olid from its net.  Identify	4 3 3 1 1 3 3 4 4 4 4 2	4 4 4 5 4 5 4 5 4 5 5 5	Express a given number as a percentage of another in more co sisuations. Find the original amount given the final amount after a percent increase or decrease. Find an amount after repeased percentage change. Solve growth and decay problems. Solve problems involving compound measures. Calculate average speed, distance and time. Use formulate to calculate speed and acceleration. Use ratio and proportion in measures and conversions. Use inverse proportions.  Becoribe 3D shapes using the correct mathematical words. Understand the 2D shapes that make up 3D objects. Identify and sketch planes of symmetry of 3D shapes. Sketch 3D shapes based on their plans and elevations. Sketch 3D shapes based on their plans and elevations of 3D shapes. Sketch 3D shapes based on their plans and elevations of 3D shapes. Correctly interpret scales in real-life contexts.  Use scales on maps and diagrams to work out lengths and distances correctly on given scale drawings. Correctly interpret scales in real-life contexts.  Use scales on maps and diagrams to work out lengths and distances correctly on given scale drawings. Forwer diagrams to scale. Correctly interpret scales in real-life contexts.  Use scales on maps and diagrams to work out lengths and distances correctly on given scale drawings. Forwer diagrams to scale.  Recognise nets and make accurate drawings of nets of commo objects.  Draw accurately using rulers and compasses.  Draw loci for the path of points that follow a given rule.  Identify regions bounded by loci to solve practical problems.  Find and use three-figure bearings.  Use angles at parallel lines to work out bearings.  Solve problems involving the area of a circle.  Solve problems involving the area of a circle.  Work out the radius or diameter of a circle.  Work out the radius or diameter of a circle.  Work out the radius or diameter of a circle.  Solve problems involving accass and p
15/04/2020 27/04/2020 27/04/2020 27/04/2020 27/04/2020 27/04/2020 27/04/2020	14.2 Growth and decay 14.3 Compound measures  14.4 Distance, speed and time  14.5 Direct and inverse proportion  TEST 15 Constructions, loci and bearings  15.1 3D solids  15.2 Plans and elevations  15.3 Accurate drawings 1  15.4 Scale drawings and maps  15.5 Accurate drawings 2  15.6 Constructions  15.7 Loci and regions  15.8 Bearings  16.1 Expanding double brackets  16.2 Plotting quadratic graphs  16.3 Using quadratic graphs  16.3 Using quadratic graphs  16.4 Factorising quadratic equations algebraically  17.4 Perimeter, area and volume 2  17.5 Composite 2D shapes and cylinders	Convert between metric measures. Understand ratio notation, and be able to write a ratio in its Simplest form. Find a parcentage of an amount and relate percentages to decimals. Rearrange equations and use these to solve problems. Know speed e distance/filme, does the control of a line flower proportion. Convert percentages to decimals. Eupress one number as a percentage of another. Work out percentage increases and decreases. Write powers of numbers in index form. Relate percentages to decimals. Understand rate as a mathematical concept. Substitute into and solve equations. Convert between metric units of volume. Calculate the area of a trapezium. Calculate area of a trapezium. Calculate the area of a trapezium.  Measure and draw lines. Write a ratio in the form 1: m and in its simplest form. Know the properties of special trapegies and quadriaterals. Understand of the meaning of congruence*.  Draw lines, angles and circles accurately Work out scale factor of an enlargement.  Write a ratio in the form 1: m, and write equivalent ratios. Convert Barange and trapezium.  Calculate the properties of pecial propezium.  Calculate area of a calculate propezium	4 3 3 3 3 4 4 4 4 4	4 4 4 5 4 4 5 4 5 4 5 5 4 5	Express a jewen number as a percentage of another in more co sixuations. Find the original amount after a percent increase or decrease Find an amount after repeated percentage change. Solve growth and decay problems. Solve problems involving compound measures.  Convert between metric speed measures.  Calculate average speed, distance and time. Use formulae to calculate speed and acceleration. Use ratio and proportion in measures and conversions. Use inverse proportions.  Describe 3D shapes using the correct mathematical words. Understand the 2D shapes that make up 3D objects. Identify and sekert planes of symmetry of 3D shapes. Understand and draw plans and elevations of 3D shapes. Selectin 3D shapes based on their plans and elevations. Make accurate drawing of thringles using a ruler, protractor a compasses. Identify congruent triangles Correctly interpret scales in real-life contexts. Use scales on maps and diagrams to work out lengths and dist Know when to use exact measurements and estimations on sc drawings and maps. Draw diagrams to scale. Correctly interpret scales in real-life contexts. Use scales on maps and diagrams to work out lengths and dist Know when to use exact measurements and estimations on sc drawings and maps. Draw diagrams to scale. Correctly interpret scales in real-life contexts. Use scales on maps and make accurate drawings of nets of commo objects.  Use angles and lines using rulers and compasses. Draw lengths and make accurate drawings of nets of commo objects.  Bacet angles and lines using rulers and compasses.  Draw courts to polygon inside a circle.  Construct a polygon inside a circle.  Solve problems involving the circumference of a circle and perineters and the second of the plans of points that foliow a given rule.  Identify regions bounded by loci to solve practical problems.  Find and use three-figure bearings.  Use angles at parallel lines to work out bearings.  Solve problems involving the area of a circle.  Work out the radius or damice and quarter circle and perimeters and