FF Algebra Image: Constraint of the second of the se			Na	tiona	I 4 Pe
3(x + 2) = 3x + 6 I I can remove bracket and collect I like terms e.g. $2x + 3(x + 3y) = 5x + 9y$ I can factorise an expression with a common factor $x + 6 = 3(x + 2)$ I can simplify an algebraic expression with more than one variable e.g. $4a + 3b + 2a - b = 6a + 2b$ I Evaluate linear expressions for given integer values I I can extend straightforward I number or diagrammatic patterns eg 1, 1, 2, 3, 5and 1, 4, 9, 16 I can determine a formula from information or a diagrammatic pattern I Basic Geometric Properties Image: Second	EF	Algebra	E)	eef)	
I can remove bracket and collect Ike terms e.g. $2x + 3(x + 3y) = 5x + 9y$ I can factorise an expression with a common factor $3x + 6 = 3(x + 2)$ I can simplify an algebraic expression with more than one variable eg $4a + 3b + 2a - b = 6a + 2b$ Evaluate linear expressions for given integer values I can extend straightforward number or diagrammatic patterns eg 1, 1, 2, 3, 5 and 1, 4, 9, 16 I can find the area of a circle using $A = \pi R^2$ I can find the area of a circle using $A = \pi R^2$ I can find the area of a circle using $A = \pi R^2$ I can find the area of a circle using $A = \pi R^2$ I can find the area of a rectangle using length x breadth I can find the area of a circle using $C = \pi D$ I can find the area of a chambus or a kite I can find the area of a composite I can find the area of a composite I can find the area of a composite I can find the area of composite I can find the area of a composite I can find the area of a cuboid and a cube using $V = I \times b \times h$ I can calculate the volume of a cuboid and a cube using $V = I \times b \times h$ I can calculate the volume of a cuboid and a cube using $V = I \times b \times h$ I can calculate the volume of a cuboid and a cube using $V = I \times b \times h$ I can calculate the volume of a cuboid and a cube using $V = I \times b \times h$ I can calculate the volume of a cubo					
like terms e.g. $2x + 3(x + 3y) = 5x + 9y$ l can factorise an expression with a common factor $3x + 6 = 3(x + 2)$ l can simplify an algebraic expression with more than one variable eg $4a + 3b + 2a - b = 6a + 2b$ Evaluate linear expressions for given integer values l can extend straightforward number or diagrammatic patterns eg $1, 1, 2, 3, 5, \dots$ and $1, 4, 9, 16, \dots$ l can determine a formula from information or a diagrammatic patterns eg $1, 1, 2, 3, 5, \dots$ and $1, 4, 9, 16, \dots$ l can determine a formula from information or a diagrammatic pattern pattern Basic Geometric Properties l can find the area of a circle using $A = \pi R^2$ l can find the area of a rectangle using length x breadth l can find the area of a rectangle using length x breadth l can find the area of a composite 2D shapes l can find the area of a composite 2D shapes l can find the area of composite 2D shapes l can calculate the volume of a cuboid and a cube using $V = 1 \times b \times h$ l can calculate the volume of a cuboid and a cube using $V = 1 \times b \times h$ l can calculate the volume of a triangular prism l can find the area of the base l can calculate the volume of a triangular prism l can calculate the volume of a cuboid and a cube using $V = 1 \times b \times h$					
I can factorise an expression with a common factor $3x + 6 = 3(x + 2)$ I can simplify an algebraic expression with more than one variable eg $4a + 3b + 2a - b = 6a + 2b$ Evaluate linear expressions for given integer values I can extend straightforward number or diagrammatic patterns eg 1, 1, 2, 3, 5and 1, 4, 9, 1. can determine a formula from information or a diagrammatic pattern Basic Geometric Properties Basic Geometric Properties I can find the area of a cretangle using $A = \pi R^2$ I can find the area of a rectangle using length x breadth I can find the area of a rectangle using length x breadth I can find the area of a rectangle using length x breadth I can find the area of a composite 2D shapes I can find the area of composite 2D shapes I can find the volume of a cuboid and a cube using $V = 1 \times b \times h$ I can find the volume of a cuboid and a cuba using $V = 1 \times b \times h$ I can calculate the volume of a <td></td> <td>like terms</td> <td></td> <td></td> <td></td>		like terms			
a common factor $3x + 6 = 3(x + 2)$ I can simplify an algebraic expression with more than one variable eg 4a + 3b + 2a - b = 6a + 2b Evaluate linear expressions for given integer values I can extend straightforward number or diagrammatic patterns eg 4, 7, 10, 13 I can extend straightforward number or diagrammatic patterns eg 1, 1, 2, 3, 5and 1, 4, 9, 16 I can find the area of a circle using $A = \pi R^2$ I can find the circumference of circle using $C = \pi D$ I can find the area of a rectangle using length x breadth I can find the area of a rhombus or a kite I can find the area of a composite 2D shapes I can find the area of a composite 2D shapes I can find the outer of a cuboid and a cube using $V = 1 \times b \times h$ I can find the volume of a cuboid and a cube using $V = 1 \times b \times h$ I can calculate the volume of a using b 3b papes I can calculate the volume of a <td></td> <td></td> <td></td> <td></td> <td></td>					
$3x + 6 = 3(x + 2)$ I I can simplify an algebraic expression with more than one variable eg $4a + 3b + 2a - b = 6a + 2b$ Evaluate linear expressions for given integer values I can extend straightforward number or diagrammatic patterns eg $4, 7, 10, 13$ I can extend straightforward number or diagrammatic patterns eg $1, 1, 2, 3, 5and 1, 4, 9, 16$ I can determine a formula from information or a diagrammatic pattern Basic Geometric Properties I can find the area of a circle using $A = \pi R^2$ I can find the crea of a rectangle using length x breadth I can find the area of a rhombus or a kite I can find the area of a composite 2D shapes I can find the area of composite 2D shapes I can find the volume of a cuboid and a cube using V = $1 \times b \times h$ I can calculate the volume of a cuboid and a cube using V = $1 \times b \times h$ I can calculate the volume of a chomp of a triangular prism I can calculate the volume of a triangles I can calculate the volume of a cuboid and a cube using V = $1 \times b \times h$ I can calculate the volume of a triangular prism I can calculate the volume of a triangular prism I can calculate the volume of a triangular prism I can calculate the volume of a triangular pri		•			
I can simplify an algebraic expression with more than one variable eg $4a + 3b + 2a - b = 6a + 2b$ Evaluate linear expressions for given integer valuesI can extend straightforward number or diagrammatic patterns eg $4, 7, 10, 13$ I can extend straightforward number or diagrammatic patterns eg $1, 1, 2, 3, 5$ and $1, 4, 9,$ 16 I can determine a formula from information or a diagrammatic patternBasic Geometric PropertiesI can find the area of a circle using $A = \pi R^2$ I can find the area of a rectangle using length x breadthI can find the area of a rectangle using length x breadthI can find the area of a rectangle using length x breadthI can find the area of a rhombus or a kiteI can find the area of a composite 2D shapesI can find the area of a composite 2D shapesI can canclulate the surface area of a simple 3D shapesI can calculate the volume of a triangular prismI can distinguish between positive and negative gradientsI can distinglish between positive and negative gradientsI can distinglish between positive and negative gradientsI can calculate the order of rototional symmetry of a shapeI can calculate the order of rototional symmetry of a shapeI can cidentify the order of rototional symmetry of a shapeI can cidentify the order of 					
voriable eg $4a + 3b + 2a - b = 6a + 2b$ Evaluate linear expressions for given integer valuesI can extend straightforward number or diagrammatic patterns eg $4, 7, 10, 13.$.I can extend straightforward number or diagrammatic patterns eg $1, 1, 2, 3, 5$ and $1, 4, 9,$ 16 I can determine a formula from information or a diagrammatic patternBasic Geometric PropertiesI can find the area of a circle using $A = \pi R^2$ I can find the area of a circle using $A = \pi R^2$ I can find the circumference of circle using $C = \pi D$ I can find the area of a rectangle using length x breadthI can find the area of a rectangle using length x breadthI can find the area of a romobus or a kiteI can find the area of a composite 2D shapesI can find the area of a composite 2D shapesI can recognise faces, edges, vertices, diagonals, sides and angles in 2D & 3D shapesI can calculate the surface area of a simple 3D shapesI can calculate the volume of a cuboid and a cube using $V = I \times b \times h$ I can calculate the volume of a triangular prismI can calculate the volume of a triangular prismI can calculate the volume of a triangular prismI can disting the vertical height and horizontal distance between two pointsI can distinguish between positive and negative gradientsI can calculate the order of triangular prismI can calculate the order of triangular prismI can calculate the order of triangular prismI can calculate the gradient of a straight line using the verti					
eg $4a + 3b + 2a - b = 6a + 2b$ Evaluate linear expressions for given integer values I can extend straightforward number or diagrammatic patterns eg 4, 7, 10, 13 I can extend straightforward number or diagrammatic patterns eg 1, 1, 2, 3, 5and 1, 4, 9, 16 I can find the area of a circle using $A = \pi R^2$ I can find the circumference of circle using $C = \pi D$ I can find the area of a rectangle using length x breadth I can find the area of a rectangle using length x breadth I can find the area of a rombus or a kite I can find the area of a composite 2D shapes I can find the area of a composite 2D shapes I can find the area of a composite 2D shapes I can find the orea of a composite 2D shapes I can find the orea of a cuboid angles in 2D & 3D shapes I can find the orea of a cuboid angles in 2D & 3D shapes I can calculate the volume of a cuboid and a cube using $V = I \times b $		·			
Evaluate linear expressions for given integer valuesII can extend straightforward number or diagrammatic patterns eg 4, 7, 10, 13II can extend straightforward number or diagrammatic patterns eg 1, 1, 2, 3, 5and 1, 4, 9, 16II can determine a formula from information or a diagrammatic patternIBasic Geometric PropertiesII can find the area of a circle using $A = \pi R^2$ II can find the circumference of circle using $C = \pi D$ II can find the carea of a rectangle using length x breadthII can find the area of a rectangle using length x breadthII can find the area of a rhombus or a kiteII can find the area of a composite 2D shapesII can find the area of composite 2D shapesII can find the area of a composite 2D shapesII can find the area of composite 2D shapesII can find the area of a composite 2D shapesII can calculate the surface area of a simple 3D shapesII can calculate the volume of a cylinderII can calculate the volume of a cylinderII can calculate the volume of a cylinderII can calculate the volume of a triangular prismII can calculate the volume of a cylinderII can calculate the volume of a cylinderII can calculate the volume of a triangular prismII can calculate the volume of a triangular prismII can calculate the gradient of a straight l					
given integer valuesII can extend straightforward number or diagrammatic patterns eg 4, 7, 10, 13II can extend straightforward number or diagrammatic patterns eg 1, 1, 2, 3, 5and 1, 4, 9, 16II can determine a formula from information or a diagrammatic patternImage: Compatibility of the compatibility o					
I can extend straightforward number or diagrammatic patterns eg 4, 7, 10, 13 I can extend straightforward number or diagrammatic patterns eg 1, 1, 2, 3, 5and 1, 4, 9, 16 I can extend straightforward number or diagrammatic patterns eg 1, 1, 2, 3, 5and 1, 4, 9, 16 I can determine a formula from information or a diagrammatic pattern Basic Geometric Properties I can find the area of a circle using $A = \pi R^2$ I can find the drea of a circle using $C = \pi D$ I can find the area of a rectangle using length x breadth I can find the area of rectangle I can find the area of a rectangle using length x breadth I can find the area of a parallelogram I can find the area of a composite 2D shapes I can find the area of composite 2D shapes I can find the area of composite 2D shapes I can find the surface area of a simple 3D shapes I can find the volume of a cuboid and a cube using $V = 1 \times b \times h$ I can find the volume of a cuboid and a cube using $V = 1 \times b \times h$ I can calculate the volume of a triangluar prism I can calculate the volume of a cylinder I can calculate the volume of a the prisms given the area of the base I can calculate the gradient of a straight line using the vertical height and horizontal distance between two points I can distinguish between positive and negative gradients I can identify the order of rotational symmetry of a shape I can identify the order of rotational symmetry of a shape I can cre		-			
eg 4, 7, 10, 13I can extend straightforward number or diagrammatic patterns eg 1, 1, 2, 3, 5and 1, 4, 9, 16I can determine a formula from information or a diagrammatic patternBasic Geometric PropertiesImage: Composition of a diagrammatic using $A = \pi R^2$ I can find the area of a circle using $A = \pi R^2$ I can find the circumference of circle using $C = \pi D$ I can find the area of a rectangle using length x breadthI can find the area of a rectangle using length x breadthI can find the area of a rhombus or a kiteI can find the area of a rhombus or a kiteI can find the area of a composite 2D shapesI can find the area of composite 2D shapesI can recognise faces, edges, vertices, diagonals, sides and angles in 2D & 3D shapesI can calculate the volume of a cuboid and a cube using $V = I \times b \times h$ I can calculate the volume of a cylinderI can calculate the volume of a cylinderI can calculate the volume of a diagonals, sides and angles in 2D & 3D shapesI can calculate the volume of a cylinderI can calculate the volume of a cylinderI can calculate the volume of a cylinderI can calculate the volume of a straight line using the vertical height and horizontal distance between two pointsI can distinguish between positive and negative gradientsI can distinguish between positive and negative gradientsI can calculate the order of rotational symmetry of a shapeI can identify the order of rotational symmetry of a shapeI can identify th					
I can extend straightforward number or diagrammatic patterns eg 1, 1, 2, 3, 5and 1, 4, 9, 16II can determine a formula from information or a diagrammatic patternImage: Compatibility of the compatibil		• .			
number or diagrammatic patterns eg 1, 1, 2, 3, 5and 1, 4, 9, 161 can determine a formula from information or a diagrammatic patternBasic Geometric PropertiesImage: Comparison of the comparison o		eg 4, 7, 10, 13			
eg 1, 1, 2, 3, 5,, and 1, 4, 9, 16,I can determine a formula from information or a diagrammatic patternBasic Geometric PropertiesI can find the area of a circle using $A = \pi R^2$ I can find the circumference of circle using $C = \pi D$ I can find the crea of a rectangle using length x breadthI can find the area of a rectangle using length x breadthI can find the area of a rectangle using length x breadthI can find the area of a rhombus or a kiteI can find the area of a rhombus or a kiteI can find the area of a composite 2D shapesI can find the area of composite 2D shapesI can recognise faces, edges, vertices, diagonals, sides and angles in 2D & 3D shapesI can calculate the surface area of a simple 3D shapesI can calculate the volume of a cuboid and a cube using $V = I \times b \times h$ I can calculate the volume of a triangular prismI can distinguish between positive and negative gradientsI can distinguish between positive and negative gradientsI can identify the order of rotational symmetry of a shapeI can identify the order of rotational symmetry of a shapeI can calculate a shape using		e e e e e e e e e e e e e e e e e e e			
161 can determine a formula from information or a diagrammatic patternBasic Geometric Properties \square Basic Geometric Properties \square 1 can find the area of a circle using $A = \pi R^2$ 1 can find the drea of a rectangle using length x breadth1 can find the area of a rectangle using length x breadth1 can find the area of a rectangle using length x breadth1 can find the area of a rhombus or a kite1 can find the area of a rhombus or a kite1 can find the area of a nhombus or a kite1 can find the area of a composite 2D shapes1 can recognise faces, edges, vertices, diagonals, sides and angles in 2D & 3D shapes1 can calculate the surface area of a simple 3D shapes1 can calculate the volume of a cuboid and a cube using $V = l \times b \times h$ 1 can calculate the volume of a d triangular prism1 can calculate the volume of a triangular prism1 can calculate the volume of a triangular prism1 can calculate the volume of a triangular prism1 can calculate the volume of a d triangular prism1 can calculate the volume of a d triangular prism1 can calculate the volume of a trianglight line using the vertical height and horizontal distance between two points1 can didentify the order of rotational symmetry of a shape1 can identify the order of rotational symmetry of a shape1 can cident of a shape using the vertical height and horizontal distance between two points1 can identify the order of rotational symmetry of a shape <t< td=""><td></td><td></td><td></td><td></td><td></td></t<>					
information or a diagrammatic patternImage: spatial systemBasic Geometric PropertiesImage: spatial systemI can find the area of a circle using $A = \pi R^2$ Image: spatial systemI can find the circumference of circle using $C = \pi D$ Image: spatial systemI can find the area of a rectangle using length x breadthImage: spatial systemI can find the area of a rectangle using length x breadthImage: spatial systemI can find the area of a rhombus or a kiteImage: spatial systemI can find the area of a rhombus or a kiteImage: spatial systemI can find the area of composite 2D shapesImage: spatial systemI can recognise faces, edges, vertices, diagonals, sides and angles in 2D & 3D shapesImage: spatial systemI can calculate the surface area of a simple 3D shapesImage: spatial systemI can calculate the volume of a cuboid and a cube using $V = I \times b \times h$ Image: spatial systemI can calculate the volume of a triangular prismImage: spatial systemI can calculate the volume of a cylinderImage: spatial systemI can calculate the volume of a straight line using the vertical height and horizontal distance between two pointsImage: spatial systemI can distinguish between positive and negative gradientsImage: spatial systemI can distinguish between positive and negative gradientsImage: spatial systemI can distinguish between positive and negative gradientsImage: spatial systemI can identify the order of rotational symmetry of a shapeImage: spatial system <t< td=""><td></td><td></td><td></td><td></td><td></td></t<>					
patternImage: constraint of a straight line using $A = \pi R^2$ Image: constraint of a straight line using $A = \pi R^2$ I can find the area of a circle using $C = \pi D$ Image: constraint of a straight line using length x breadthImage: constraint of a straight line using length x breadthI can find the area of a rectangle using length x breadthImage: constraint of a straight line using length x breadthImage: constraint of a straight line using length x breadthI can find the area of a rectangle using length x breadthImage: constraint of a straight line using length x breadthImage: constraint of a straight line using length x breadthI can find the area of a rectangle using length x breadthImage: constraint of a straight line using length x breadthImage: constraint of a straight line using length x breadthI can find the area of a constraint of a straight line using the vertical height and horizontal distance between two pointsImage: constraint of a straight line using the vertical height and horizontal distanceI can identify the order of rotational symmetry of a shapeImage: constraint of a straight line using the vertical height and horizontal distanceI can identify the order of rotational symmetry of a shapeImage: constraint of a straight line using the vertical height and horizontal distanceI can identify the order of rotational symmetry of a shapeImage: constraint of a straight line using the vertical height and horizontal distanceI can identify the order of rotational symmetry of a shapeImage: constraint of a straight line using the vertical height and horizontal distanceI can identify the order of rotational symmetry of a shapeImage: constraint of a straight line using the vertical h		l can determine a formula from			
Basic Geometric PropertiesImage: Constraint of the second of a circle using $A = \pi R^2$ I can find the area of a circle using $C = \pi D$ Image: Constraint of the circumference of circle using $C = \pi D$ I can find the area of a rectangle using length x breadthImage: Constraint of the circumference of a rectangle using length x breadthI can find the area of a rectangle using length x breadthImage: Constraint of the circumference of a rectangle using length x breadthI can find the area of a rectangle using length x breadthImage: Constraint of the circumference of a rectangle using length x breadthI can find the area of a rhombus or a kiteImage: Constraint of the circumference of a parallelogramI can find the area of composite 2D shapesImage: Constraint of the circumference of a constraint of the surface area of a simple 3D shapesI can calculate the surface area of a simple 3D shapesImage: Constraint of the constraint of the colume of a cuboid and a cube using $V = I \times b \times h$ I can calculate the volume of a cuboid and a cube using $V = I \times b \times h$ Image: Constraint of the colume of a crylinderI can calculate the volume of a triangular prismImage: Constraint of the colume of a crylinderI can calculate the volume of other prisms given the area of the baseImage: Constraint of a straight line using the vertical height and horizontal distance between two pointsI can distinguish between positive and negative gradientsImage: Constraint of a straight line share the same gradientI can identify the order of rotational symmetry of a shapeImage: Constraint of a shapeI can calculate the share the same gradientImage: Constraint of a shapeI can iden		5			
Dasic decomment (repenses)Image: Constraint of the constra		pattern	٩		
using $A = \pi R^2$ II can find the circumference of circle using $C = \pi D$ II can find the area of a rectangle using length x breadthII can find the area of trianglesII can find the area of a rhombus or a kiteII can find the area of a thombus or a kiteII can find the area of a composite 2D shapesII can recognise faces, edges, vertices, diagonals, sides and angles in 2D & 3D shapesII can calculate the surface area of a simple 3D shapesII can calculate the volume of a cuboid and a cube using $V = I \times b \times h$ II can calculate the volume of a triangular prismII can calculate the volume of a cylinderII can calculate the volume of a cylinderII can calculate the volume of a cylinderII can calculate the volume of a triangular prismII can calculate the volume of a cylinderII can calculate the volume of other prisms given the area of the baseII can calculate the yolume of a cylinderII can calculate the gradient of a straight line using the vertical height and horizontal distance between two pointsII can distinguish between positive and negative gradientsII know parallel lines have the same gradientII can identify the order of rotational symmetry of a shapeII can create a shape usingI		Basic Geometric Properties	E)	A	5
I can find the circumference of circle using $C = \pi D$ I I can find the area of a rectangle using length x breadth I I can find the area of a rhombus or a kite I I can find the area of a parallelogram I I can find the area of composite 2D shapes I I can find the area of composite 2D shapes I I can recognise faces, edges, vertices, diagonals, sides and angles in 2D & 3D shapes I I can calculate the surface area of a simple 3D shapes I I can calculate the volume of a cuboid and a cube using $V = I \times b \times h$ I I can calculate the volume of a triangular prism I I can calculate the volume of a cylinder I I can calculate the volume of other prisms given the area of the base I I can calculate the gradient of a straight line using the vertical height and horizontal distance between two points I I can distinguish between positive and negative gradients I I I know parallel lines have the same gradient I I I can identify the order of rotational symmetry of a shape I I					
circle using $C = \pi D$ Image: Constraint of the area of a rectangle using length x breadthI can find the area of a rectanglesImage: Constraint of the area of a rhombus or a kiteI can find the area of a normality or a kiteImage: Constraint of the area of a normality of a shapesI can find the area of a parallelogramImage: Constraint of the area of a normality of the area of a normality of the area of a normality of a shapesI can find the area of composite 2D shapesImage: Constraint of the area of a normality of a shapeI can recognise faces, edges, vertices, diagonals, sides and angles in 2D & 3D shapesImage: Constraint of the area of a cuboid and a cube using V = $I \times b \times h$ I can calculate the surface area of a simple 3D shapesImage: Constraint of the area of the baseImage: Constraint of the area of the baseI can calculate the volume of a cuboid and a cube using $V = I \times b \times h$ Image: Constraint of the baseImage: Constraint of the baseI can calculate the volume of a cylinderImage: Constraint of the baseImage: Constraint of the baseImage: Constraint of the baseI can calculate the gradient of a straight line using the vertical height and horizontal distance between two pointsImage: Constraint of the baseImage: Constraint of the baseI can distinguish between positive and negative gradientsImage: Constraint of the baseImage: Constraint of the baseI can identify the order of rotational symmetry of a shapeImage: Constraint of the baseImage: Constraint of the baseI can calculate the gradient of a straight line using the vertical height and horizontal distance between two pointsImage: Constraint of the base<					
I can find the area of a rectangle using length x breadth I I can find the area of triangles I I can find the area of a rhombus or a kite I I can find the area of a parallelogram I I can find the area of composite I 2D shapes I I can recognise faces, edges, vertices, diagonals, sides and angles in 2D & 3D shapes I I can calculate the surface area of a simple 3D shapes I I can calculate the surface area of a simple 3D shapes I I can calculate the volume of a cuboid and a cube using $V = I \times b \times h$ I I can calculate the volume of a triangular prism I I can calculate the volume of a cylinder I I can calculate the volume of other prisms given the area of the base I I can calculate the gradient of a straight line using the vertical height and horizontal distance between two points I I can distinguish between positive and negative gradients I I know parallel lines have the same gradient I I can identify the order of rotational symmetry of a shape I I can carcute a shape using I					
I can find the area of triangles I I can find the area of a rhombus or a kite I I can find the area of a parallelogram I I can find the area of composite 2D shapes I I can recognise faces, edges, vertices, diagonals, sides and angles in 2D & 3D shapes I I can draw nets of 2D shapes I I can calculate the surface area of a simple 3D shapes I I can calculate the volume of a cuboid and a cube using $V = I \times b \times h$ I I can calculate the volume of a triangular prism I I can calculate the volume of a cylinder I I can calculate the volume of other prisms given the area of the base I I can calculate the volume of a straight line using the vertical height and horizontal distance between two points I I can distinguish between positive and negative gradients I I I can distinguish between positive and negative gradients I I I can distinguish between positive and negative gradients I I I can identify the order of rotational symmetry of a shape I I I can calculate the order of rotational symmetry of a shape I I					
I can find the area of a rhombus or a kite I can find the area of a parallelogram I can find the area of composite 2D shapes I I can recognise faces, edges, vertices, diagonals, sides and angles in 2D & 3D shapes I I can draw nets of 2D shapes I I can calculate the surface area of a simple 3D shapes I I can calculate the volume of a cuboid and a cube using $V = I \times b \times h$ I I can calculate the volume of a triangular prism I I can calculate the volume of a cylinder I I can calculate the volume of a cylinder I I can calculate the volume of other prisms given the area of the base Image: Compositive of the prism given the area of the base I can calculate the gradient of a straight line using the vertical height and horizontal distance between two points Image: Compositive of the prism gradients I can distinguish between positive and negative gradients Image: Compositive of the same gradient Image: Compositive of the same gradient I can identify the order of rotational symmetry of a shape Image: Compositive of the shape Image: Compositive of the shape I can create a shape using Image: Compositive of the shape Image: Compositive of the shape Image: Compositive of the shape					
or a kite I can find the area of a parallelogram I I can find the area of composite 2D shapes I I I can recognise faces, edges, vertices, diagonals, sides and angles in 2D & 3D shapes I I I can draw nets of 2D shapes I I I I can draw nets of 2D shapes I I I I can calculate the surface area of a simple 3D shapes I I I I can find the volume of a cuboid and a cube using $V = I \times b \times h$ I I I I can calculate the volume of a triangular prism I I I I I I can calculate the volume of other prisms given the area of the base I					
I can find the area of a parallelogram I I can find the area of composite 2D shapes I I can recognise faces, edges, vertices, diagonals, sides and angles in 2D & 3D shapes I I can draw nets of 2D shapes I I can calculate the surface area of a simple 3D shapes I I can calculate the volume of a cuboid and a cube using $V = I \times b \times h$ I I can calculate the volume of a triangular prism I I can calculate the volume of a triangular prism I I can calculate the volume of other prisms given the area of the base I I can calculate the volume of other prisms given the area of the base I I can calculate the gradient of a straight line using the vertical height and horizontal distance between two points I I can distinguish between positive and negative gradients I I I can identify the order of rotational symmetry of a shape I I I can identify the order of rotational symmetry of a shape I I I					
parallelogram I I can find the area of composite 2D shapes 2D shapes I I can recognise faces, edges, vertices, diagonals, sides and angles in 2D & 3D shapes I I can draw nets of 2D shapes I I can calculate the surface area of a simple 3D shapes I I can find the volume of a cuboid and a cube using $V = I \times b \times h$ I I can calculate the volume of a triangular prism I I can calculate the volume of a cylinder I I can calculate the volume of other prisms given the area of the base I I can calculate the volume of a straight line using the vertical height and horizontal distance between two points I I can distinguish between positive and negative gradients I I I know parallel lines have the same gradient I I I I can identify the order of rotational symmetry of a shape I I I I					
I can find the area of composite 2D shapes I I can recognise faces, edges, vertices, diagonals, sides and angles in 2D & 3D shapes I I can draw nets of 2D shapes I I can calculate the surface area of a simple 3D shapes I I can find the volume of a cuboid and a cube using $V = I \times b \times h$ I I can calculate the volume of a triangular prism I I can calculate the volume of a cylinder I I can calculate the volume of other prisms given the area of the base I I can calculate the gradient of a straight line using the vertical height and horizontal distance between two points I I can distinguish between positive and negative gradients I I know parallel lines have the same gradient I I can identify the order of rotational symmetry of a shape I I can create a shape using I					
I can recognise faces, edges, vertices, diagonals, sides and angles in 2D & 3D shapes I can draw nets of 2D shapes I can draw nets of 2D shapes I can calculate the surface area of a simple 3D shapes I can find the volume of a cuboid and a cube using $V = I \times b \times h$ I can calculate the volume of a cuboid and a cube using $V = I \times b \times h$ I can calculate the volume of a triangular prism I can calculate the volume of a cylinder I can calculate the volume of other prisms given the area of the base I can calculate the gradient of a straight line using the vertical height and horizontal distance between two points I can distinguish between positive and negative gradients I know parallel lines have the same gradient Symmetry I can identify the order of rotational symmetry of a shape I can create a shape using I can create a shape using I can create a shape using		I can find the area of composite			
vertices, diagonals, sides and angles in 2D & 3D shapes Image: sin 2D & 3D shapes I can draw nets of 2D shapes Image: sin 2D & 3D shapes I can calculate the surface area of a simple 3D shapes Image: sin 2D & 3D shapes I can calculate the surface area of a simple 3D shapes Image: sin 2D & 3D shapes I can calculate the volume of a cuboid and a cube using $V = I \times b \times h$ Image: sin 2D & 3D shapes I can calculate the volume of a triangular prism Image: sin 2D & 3D shapes I can calculate the volume of a cylinder Image: sin 2D & 3D shapes I can calculate the volume of other prisms given the area of the base Image: sin 2D & 3D shapes I can calculate the gradient of a straight line using the vertical height and horizontal distance between two points Image: sin 2D & 3D &					
angles in 2D & 3D shapes Image: shapes Image: shapes Image: shapes I can draw nets of 2D shapes Image: shapes Image: shapes Image: shapes Image: shapes I can calculate the surface area of a simple 3D shapes Image: shapes Image: shapes Image: shapes Image: shapes I can find the volume of a cuboid and a cube using V = I × b × h Image: shapes Image: shape Image					
I can draw nets of 2D shapes I I can calculate the surface area of a simple 3D shapes I I can find the volume of a cuboid and a cube using $V = I \times b \times h$ I I can calculate the volume of a triangular prism I I can calculate the volume of a cylinder I I can calculate the volume of other prisms given the area of the base I I can calculate the gradient of a straight Line Image: Comparison of the base I can calculate the gradient of a straight line using the vertical height and horizontal distance between two points Image: Comparison of the base I can distinguish between positive and negative gradients Image: Comparison of the base Image: Comparison of the base I can distinguish between positive and negative gradients Image: Comparison of the base Image: Comparison of the base I can distinguish between positive and negative gradients Image: Comparison of the base Image: Comparison of the base I can identify the order of rotational symmetry of a shape Image: Comparison of the base Image: Comparison of the base I can create a shape using Image: Comparison of the base Image: Comparison of the base Image: Comparison of the base					
I can calculate the surface area of a simple 3D shapes I I can find the volume of a cuboid and a cube using $V = I \times b \times h$ I I can calculate the volume of a triangular prism I I can calculate the volume of a cylinder I I can calculate the volume of other prisms given the area of the base I I can calculate the gradient of a straight line using the vertical height and horizontal distance between two points I I can distinguish between positive and negative gradients I I know parallel lines have the same gradient I I can identify the order of rotational symmetry of a shape I					
I can find the volume of a cuboid and a cube using V = I × b × h I I can calculate the volume of a triangular prism I I can calculate the volume of a cylinder I I can calculate the volume of other prisms given the area of the base I Gradient of a Straight Line Image: Comparison I can calculate the gradient of a straight line using the vertical height and horizontal distance between two points Image: Comparison I can distinguish between positive and negative gradients Image: Comparison I know parallel lines have the same gradient Image: Comparison I can identify the order of rotational symmetry of a shape Image: Comparison					
and a cube using $V = l \times b \times h$ I can calculate the volume of a triangular prism I can calculate the volume of a cylinder I can calculate the volume of a cylinder I can calculate the volume of other prisms given the area of the base I can calculate the volume of other prisms given the area of the base Gradient of a Straight Line Image: Comparison of a straight line using the vertical height and horizontal distance between two points Image: Comparison of a straight line using the vertical height and horizontal distance I can distinguish between positive and negative gradients I can distinguish between positive and negative gradients I can identify the order of rotational symmetry of a shape I can identify the order of rotational symmetry of a shape I can create a shape using Image: Comparison of a straight line using the order of rotational symmetry of a shape		a simple 3D shapes			
I can calculate the volume of a triangular prism I can calculate the volume of a cylinder I can calculate the volume of other prisms given the area of the base I can calculate the volume of other prisms given the area of the base Gradient of a Straight Line Image: Comparison of the base I can calculate the gradient of a straight line using the vertical height and horizontal distance between two points Image: Comparison of the base I can distinguish between positive and negative gradients I know parallel lines have the same gradient I can identify the order of rotational symmetry of a shape Image: Comparison of the base					
triangular prism I can calculate the volume of a cylinder I can calculate the volume of other prisms given the area of the base Image: Color of the base Gradient of a Straight Line Image: Color of the base I can calculate the gradient of a straight line using the vertical height and horizontal distance between two points Image: Color of the base I can distinguish between positive and negative gradients Image: Color of the base Image: Color of the base I can distinguish between positive and negative gradients Image: Color of the base Image: Color of the base I can identify the order of rotational symmetry of a shape Image: Color of the base Image: Color of the base I can create a shape using Image: Color of the base Image: Color of the base Image: Color of the base		· · ·			
I can calculate the volume of a cylinder I can calculate the volume of other prisms given the area of the base I can calculate the volume of other prisms given the area of the base Image: Coloradian col					
cylinder I can calculate the volume of other prisms given the area of the base I Gradient of a Straight Line Image: Comparison of the base Image: Comparison of the base I can calculate the gradient of a straight line using the vertical height and horizontal distance between two points Image: Comparison of the base Image: Comparison of the base I can distinguish between positive and negative gradients Image: Comparison of the base Image: Comparison of the base I know parallel lines have the same gradient Image: Comparison of the base Image: Comparison of the base I can identify the order of rotational symmetry of a shape Image: Comparison of the base Image: Comparison of the base I can create a shape using Image: Comparison of the base Image: Comparison of the base Image: Comparison of the base			1		
I can calculate the volume of other prisms given the area of the base Image: Constraint of a straight Line Image: Constraint of a straight line using the vertical height and horizontal distance between two points Image: Constraint of a straight line using the vertical height and horizontal distance between two points Image: Constraint of a straight line using the vertical height and horizontal distance between two points Image: Constraint of a straight line using the vertical height and horizontal distance between two points Image: Constraint of a straight line using the vertical height and horizontal distance between two points Image: Constraint of a straight line using the vertical distance between two points Image: Constraint of a straight line using the vertical distance between two points Image: Constraint of a straight line using the vertical distance between two points Image: Constraint of a straight line using the vertical distance between two points Image: Constraint of a straight line using the vertical distance between two points Image: Constraint of a straight line using the vertical distance between two points Image: Constraint of a straight line using the vertical distance between two points Image: Constraint of a straight line using the vertical distance di		cylinder			
Gradient of a Straight Line Image: Constraight Constraint of a straight line using the vertical height and horizontal distance between two points Image: Constraint of a straight line using the vertical height and horizontal distance between two points I can distinguish between positive and negative gradients Image: Constraint of a straight line using the vertical height and horizontal distance between two points Image: Constraint of a straight line using the vertical distance between two points I can distinguish between positive and negative gradients Image: Constraint of a straight line using Image: Constraint of a straight line using I know parallel lines have the same gradient Image: Constraint of a straight line using Image: Constraint of a straight line using I can identify the order of rotational symmetry of a shape Image: Constraint of a straight line using Image: Constraint of a straight line using					
I can calculate the gradient of a straight line using the vertical height and horizontal distance between two points I can distinguish between positive and negative gradients I can distinguish between positive and negative gradients I can identify the order of rotational symmetry of a shape I can identify the order of a shape		prisms given the area of the base			
I can calculate the gradient of a straight line using the vertical height and horizontal distance between two points I can distinguish between positive and negative gradients I can distinguish between positive and negative gradients I can identify the order of rotational symmetry of a shape I can identify the order of a shape		Gradient of a Straight Line	S	- Fill	(]
straight line using the vertical height and horizontal distance between two points Image: Straight line using the vertical distinguish between positive and negative gradients I can distinguish between positive and negative gradients Image: Straight line using I know parallel lines have the same gradient Image: Straight line using I can identify the order of rotational symmetry of a shape Image: Straight line using		-			v
height and horizontal distance between two points I can distinguish between positive and negative gradients I know parallel lines have the same gradient Symmetry I can identify the order of rotational symmetry of a shape I can create a shape using		-			
I can distinguish between positive and negative gradients I can identify the order of rotational symmetry of a shape I can create a shape using I can identify the order of can create a shape using					
and negative gradients Image: Constraint of the same gradient I know parallel lines have the same gradient Image: Constraint of the same gradient Symmetry Image: Constraint of the same gradient of the					
I know parallel lines have the same gradient Image: same gradient Symmetry Image: same gradient I can identify the order of rotational symmetry of a shape Image: same gradient I can create a shape using Image: same gradient					
same gradient Image: same gradient Symmetry Image: same gradient 1 can identify the order of rotational symmetry of a shape Image: same gradient 1 can create a shape using Image: same gradient					
Symmetry Image: Symmetry I can identify the order of rotational symmetry of a shape Image: Symmetry I can create a shape using Image: Symmetry					
I can identify the order of rotational symmetry of a shape I can create a shape using		-	A	F	(
rotational symmetry of a shape I can create a shape using					
		-			
rotational symmetry					
· · · · · · · · · · · · · · · · · · ·		rotational symmetry			

	Data Handling	E)	F)	(F
	I can construct a frequency table			
	I can calculate mean, median,			<u> </u>
	mode and range of a list of			
	numbers			
	l can calculate mean, median and mode from a frequency table			
	I can compare the mean and the			
	range for two sets of data			
	I can interpret, draw and compare			
	bar graphs I can interpret, draw and compare			
	line graphs			
	I can interpret, draw and compare			
	pie charts with			
	fraction/percentage/degree I can state the probability of a			
	simple event			
	I can interpret probability in the			
	context of risk	٩		
Rel	Graphical Relationships	S		5
	l can draw a straight line by			
	completing a table $y = ax$ and y			
	= ax + b			
	I know that the equation of a straight line is $y = mx + c$			
	e.g. $y = 2x + 1$			
	I know what <i>m</i> and c represent in			
	the formula $y = mx + c$ I know that vertical lines have an			
	equation $x = \alpha$			
	l know that horizontal lines have			
	an equation $y = b$			
		A		(B)
	Algebra		87	17
	Algebra		E	7
	Algebra I can solve simple linear equations e.g. $3x - 5 = x + 11$		E.	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
	I can solve simple linear equations e.g. $3x - 5 = x + 11$ I can solve more complex linear		H	
	I can solve simple linear equations e.g. $3x - 5 = x + 11$ I can solve more complex linear equations		E.	~
	I can solve simple linear equations e.g. $3x - 5 = x + 11$ I can solve more complex linear equations e.g. $x + 7 = 4x - 5$		E .	~~~~
	I can solve simple linear equations e.g. $3x - 5 = x + 11$ I can solve more complex linear equations		H.	<u></u>
	I can solve simple linear equations e.g. $3x - 5 = x + 11$ I can solve more complex linear equations e.g. $x + 7 = 4x - 5$ I can solve simple inequations e.g. $2x + 1 < 10$ I can change the subject of a		E	
	I can solve simple linear equations e.g. $3x - 5 = x + 11$ I can solve more complex linear equations e.g. $x + 7 = 4x - 5$ I can solve simple inequations e.g. $2x + 1 < 10$ I can change the subject of a formula		E	<u> </u>
	I can solve simple linear equations e.g. $3x - 5 = x + 11$ I can solve more complex linear equations e.g. $x + 7 = 4x - 5$ I can solve simple inequations e.g. $2x + 1 < 10$ I can change the subject of a formula y = u + at for t			
	I can solve simple linear equations e.g. $3x - 5 = x + 11$ I can solve more complex linear equations e.g. $x + 7 = 4x - 5$ I can solve simple inequations e.g. $2x + 1 < 10$ I can change the subject of a formula v = u + at for t h = v/n			
	I can solve simple linear equations e.g. $3x - 5 = x + 11$ I can solve more complex linear equations e.g. $x + 7 = 4x - 5$ I can solve simple inequations e.g. $2x + 1 < 10$ I can change the subject of a formula v = u + at for $th = v/nThe Theorem of Pythagoras$			~
	I can solve simple linear equations e.g. $3x - 5 = x + 11$ I can solve more complex linear equations e.g. $x + 7 = 4x - 5$ I can solve simple inequations e.g. $2x + 1 < 10$ I can change the subject of a formula v = u + at for $th = v/nThe Theorem of PythagorasI know that the longest side of a$			2
	I can solve simple linear equations e.g. $3x - 5 = x + 11$ I can solve more complex linear equations e.g. $x + 7 = 4x - 5$ I can solve simple inequations e.g. $2x + 1 < 10$ I can change the subject of a formula v = u + at for t h = v/n The Theorem of Pythagoras I know that the longest side of a right angled triangle is called the Hypotenuse			7
	I can solve simple linear equations e.g. $3x - 5 = x + 11$ I can solve more complex linear equations e.g. $x + 7 = 4x - 5$ I can solve simple inequations e.g. $2x + 1 < 10$ I can change the subject of a formula v = u + at for t h = v/n The Theorem of Pythagoras I know that the longest side of a right angled triangle is called the Hypotenuse I can use Pythagoras theorem to			<u>\$</u>
	I can solve simple linear equations e.g. $3x - 5 = x + 11$ I can solve more complex linear equations e.g. $x + 7 = 4x - 5$ I can solve simple inequations e.g. $2x + 1 < 10$ I can change the subject of a formula v = u + at for t h = v/n The Theorem of Pythagoras I know that the longest side of a right angled triangle is called the Hypotenuse I can use Pythagoras theorem to find the length of the hypotenuse			
	I can solve simple linear equations e.g. $3x - 5 = x + 11$ I can solve more complex linear equations e.g. $x + 7 = 4x - 5$ I can solve simple inequations e.g. $2x + 1 < 10$ I can change the subject of a formula v = u + at for t h = v/n The Theorem of Pythagoras I know that the longest side of a right angled triangle is called the Hypotenuse I can use Pythagoras theorem to find the length of the hypotenuse of a right angled triangle			
	I can solve simple linear equations e.g. $3x - 5 = x + 11$ I can solve more complex linear equations e.g. $x + 7 = 4x - 5$ I can solve simple inequations e.g. $2x + 1 < 10$ I can change the subject of a formula v = u + at for t h = v/n The Theorem of Pythagoras I know that the longest side of a right angled triangle is called the Hypotenuse I can use Pythagoras theorem to find the length of the hypotenuse of a right angled triangle I can use Pythagoras Theorem to calculate the length of one of the			
	I can solve simple linear equations e.g. $3x - 5 = x + 11$ I can solve more complex linear equations e.g. $x + 7 = 4x - 5$ I can solve simple inequations e.g. $2x + 1 < 10$ I can change the subject of a formula v = u + at for t h = v/n The Theorem of Pythagoras I know that the longest side of a right angled triangle is called the Hypotenuse I can use Pythagoras theorem to find the length of the hypotenuse of a right angled triangle I can use Pythagoras Theorem to calculate the length of one of the shorter sides of a right angled			
	I can solve simple linear equations e.g. $3x - 5 = x + 11$ I can solve more complex linear equations e.g. $x + 7 = 4x - 5$ I can solve simple inequations e.g. $2x + 1 < 10$ I can change the subject of a formula v = u + at for t h = v/n The Theorem of Pythagoras I know that the longest side of a right angled triangle is called the Hypotenuse I can use Pythagoras theorem to find the length of the hypotenuse of a right angled triangle I can use Pythagoras Theorem to calculate the length of one of the shorter sides of a right angled triangle			
	I can solve simple linear equations e.g. $3x - 5 = x + 11$ I can solve more complex linear equations e.g. $x + 7 = 4x - 5$ I can solve simple inequations e.g. $2x + 1 < 10$ I can change the subject of a formula v = u + at for t h = v/n The Theorem of Pythagoras I know that the longest side of a right angled triangle is called the Hypotenuse I can use Pythagoras theorem to find the length of the hypotenuse of a right angled triangle I can use Pythagoras Theorem to calculate the length of one of the shorter sides of a right angled			
	I can solve simple linear equations e.g. $3x - 5 = x + 11$ I can solve more complex linear equations e.g. $x + 7 = 4x - 5$ I can solve simple inequations e.g. $2x + 1 < 10$ I can change the subject of a formula v = u + at for $th = v/nThe Theorem of PythagorasI know that the longest side of aright angled triangle is called theHypotenuseI can use Pythagoras theorem tofind the length of the hypotenuseof a right angled triangleI can use Pythagoras Theorem tocalculate the length of one of theshorter sides of a right angledtriangleI can use Pythagoras Theorem tosolve problems in an everydaycontext$			
	I can solve simple linear equations e.g. $3x - 5 = x + 11$ I can solve more complex linear equations e.g. $x + 7 = 4x - 5$ I can solve simple inequations e.g. $2x + 1 < 10$ I can change the subject of a formula v = u + at for t h = v/n The Theorem of Pythagoras I know that the longest side of a right angled triangle is called the Hypotenuse I can use Pythagoras theorem to find the length of the hypotenuse of a right angled triangle I can use Pythagoras Theorem to calculate the length of one of the shorter sides of a right angled triangle I can use Pythagoras Theorem to solve problems in an everyday context I can use Pythagoras Theorem to			
	I can solve simple linear equations e.g. $3x - 5 = x + 11$ I can solve more complex linear equations e.g. $x + 7 = 4x - 5$ I can solve simple inequations e.g. $2x + 1 < 10$ I can change the subject of a formula v = u + at for $th = v/nThe Theorem of PythagorasI know that the longest side of aright angled triangle is called theHypotenuseI can use Pythagoras theorem tofind the length of the hypotenuseof a right angled triangleI can use Pythagoras Theorem tocalculate the length of one of theshorter sides of a right angledtriangleI can use Pythagoras Theorem tosolve problems in an everydaycontext$			
	I can solve simple linear equations e.g. $3x - 5 = x + 11$ I can solve more complex linear equations e.g. $x + 7 = 4x - 5$ I can solve simple inequations e.g. $2x + 1 < 10$ I can change the subject of a formula v = u + at for t h = v/n The Theorem of Pythagoras I know that the longest side of a right angled triangle is called the Hypotenuse I can use Pythagoras theorem to find the length of the hypotenuse of a right angled triangle I can use Pythagoras Theorem to calculate the length of one of the shorter sides of a right angled triangle I can use Pythagoras Theorem to solve problems in an everyday context I can use Pythagoras Theorem to solve problems involving coordinates			
	I can solve simple linear equations e.g. $3x - 5 = x + 11$ I can solve more complex linear equations e.g. $x + 7 = 4x - 5$ I can solve simple inequations e.g. $2x + 1 < 10$ I can change the subject of a formula v = u + at for t h = v/n The Theorem of Pythagoras I know that the longest side of a right angled triangle is called the Hypotenuse I can use Pythagoras theorem to find the length of the hypotenuse of a right angled triangle I can use Pythagoras Theorem to calculate the length of one of the shorter sides of a right angled triangle I can use Pythagoras Theorem to solve problems in an everyday context I can use Pythagoras Theorem to solve problems involving coordinates Similarity			
	I can solve simple linear equations e.g. $3x - 5 = x + 11$ I can solve more complex linear equations e.g. $x + 7 = 4x - 5$ I can solve simple inequations e.g. $2x + 1 < 10$ I can change the subject of a formula v = u + at for t h = v/n The Theorem of Pythagoras I know that the longest side of a right angled triangle is called the Hypotenuse I can use Pythagoras theorem to find the length of the hypotenuse of a right angled triangle I can use Pythagoras Theorem to calculate the length of one of the shorter sides of a right angled triangle I can use Pythagoras Theorem to solve problems in an everyday context I can use Pythagoras Theorem to solve problems involving coordinates			
	I can solve simple linear equations e.g. $3x - 5 = x + 11$ I can solve more complex linear equations e.g. $x + 7 = 4x - 5$ I can solve simple inequations e.g. $2x + 1 < 10$ I can change the subject of a formula v = u + at for t h = v/n The Theorem of Pythagoras I know that the longest side of a right angled triangle is called the Hypotenuse I can use Pythagoras theorem to find the length of the hypotenuse of a right angled triangle I can use Pythagoras Theorem to calculate the length of one of the shorter sides of a right angled triangle I can use Pythagoras Theorem to solve problems in an everyday context I can use Pythagoras Theorem to solve problems involving coordinates Similarity I can calculate the enlargement or			

National 4 Personal Learning Plan

		Na	ntiona	14 P
	mathematically similar shapes	٨	_	-
	Properties of Geometric Shapes	S	-	Ş
	l can recognise equilateral,			
	isosceles and scalene triangles			
	I know angles in a triangle add to			
	180°			
	I can use angle relationships			
	involving parallel lines I can name quadrilaterals			
	I know the properties of			
	quadrilaterals			
	I can find missing angles in			
	quadrilaterals using my			
	knowledge of angles			
	l can describe the properties of a circle			
	I know that the angle in a semi			
	circle is a right angle			
	I know that a tangent to a circle			
	makes a right angle with the			
	radius	٩		
	Trigonometry	S		5
	I know the ratios for Sine, Cosine			
	and Tangent			
	I can find the length of a side			
	using the Tangent Ratio			
	I can find the size of an angle			
	using the Tangent Ratio			
	using the Sine Ratio			
	I can find the size of an angle			
	using the Sine Ratio			
	I can find the length of a side			
	using the Cosine Ratio			
	I can find the size of an angle using the Cosine Ratio			
	I know how to choose the correct			
	ratio to solve a problem			
	I can use Sin, Cos and Tan to solve			
	problems in an everyday context			
	Scattergraphs	£)	-E	Ţ
	l can construct a scattergraph			
	I can interpret a scattergraph			
	I can draw the line of best fit on a			
	scattergraph			
	I can use the line of best fit to			
	estimate one value given the other	0		
Nu	Numeracy	Ð	-	S
	I can select and use appropriate			
	numerical notation and units in			
	problems involving money, time,			
	measure, weight, volume and			
	temperature	Q		~
	Whole Numbers	S	-	
	I can add and subtract whole			
	numbers including negative		1	
	numbers	<u> </u>		
	I can multiply whole numbers of		1	
	any size I can divide whole numbers of any			
	size by a single digit or 10 or 100		1	
	I can round to the nearest		1	
	significant figure			
	I can round to 2 decimal places			
	Find simple percentages and	_		
	fractions of shapes and quantities	1	1	

earning Plan			
Calculate percentage			
increase/decrease			
Calculate rate e.g. texts per			
month, mph	_		
Calculate distance given speed			
and time Calculate time intervals in 12-24			
hour clock			
Calculate volume of a			
cube/cuboid			
Calculate area of			
squares/rectangles			
Calculate perimeter of shapes			
with straight lines			
Calculate ratio and proportion			
Fractions, Decimals and	E)	T	(1)
Percentages	Ŭ		Ň
I can find a percentage of a			
quantity			
e.g. find 5% of £34			
I can find a percentage of a			
shape			
I can find percentage increase			
and decrease			
I can find a fraction of a quantity		1	
I can find a fraction of a shape			
I can convert between common			
fractions, decimals and		1	
percentages			
· · · · · · · · · · · · · · · · · · ·	<pre>b</pre>	-	(B)
Ratio and Proportion	E.	47	5
I can solve simple problems on			
direct proportion			
e.g. 3 cakes cost 75p, how much			
would 5 cakes cost?			
Calculations in Everyday	S	Ð	9
Context			
I can calculate hourly rate, weekly wage and annual salary			
I can calculate hourly rate, weekly			
I can calculate hourly rate, weekly wage and annual salary			
I can calculate hourly rate, weekly wage and annual salary I can calculate new wage given			
I can calculate hourly rate, weekly wage and annual salary I can calculate new wage given old wage and increase as a			
I can calculate hourly rate, weekly wage and annual salary I can calculate new wage given old wage and increase as a percentage			
I can calculate hourly rate, weekly wage and annual salary I can calculate new wage given old wage and increase as a percentage I understand the terms bonus and			
I can calculate hourly rate, weekly wage and annual salary I can calculate new wage given old wage and increase as a percentage I understand the terms bonus and commission			
I can calculate hourly rate, weekly wage and annual salary I can calculate new wage given old wage and increase as a percentage I understand the terms bonus and commission I can calculate bonus and			
I can calculate hourly rate, weekly wage and annual salary I can calculate new wage given old wage and increase as a percentage I understand the terms bonus and commission I can calculate bonus and commission from given information I understand the terms time and a half, double time and treble time			
I can calculate hourly rate, weekly wage and annual salary I can calculate new wage given old wage and increase as a percentage I understand the terms bonus and commission I can calculate bonus and commission from given information I understand the terms time and a			
I can calculate hourly rate, weekly wage and annual salary I can calculate new wage given old wage and increase as a percentage I understand the terms bonus and commission I can calculate bonus and commission from given information I understand the terms time and a half, double time and treble time and can calculate overtime payments			
I can calculate hourly rate, weekly wage and annual salary I can calculate new wage given old wage and increase as a percentage I understand the terms bonus and commission I can calculate bonus and commission from given information I understand the terms time and a half, double time and treble time and can calculate overtime payments I understand what is meant by			
I can calculate hourly rate, weekly wage and annual salary I can calculate new wage given old wage and increase as a percentage I understand the terms bonus and commission I can calculate bonus and commission from given information I understand the terms time and a half, double time and treble time and can calculate overtime payments I understand what is meant by Hire Purchase and can carry out			
I can calculate hourly rate, weekly wage and annual salary I can calculate new wage given old wage and increase as a percentage I understand the terms bonus and commission I can calculate bonus and commission from given information I understand the terms time and a half, double time and treble time and can calculate overtime payments I understand what is meant by Hire Purchase and can carry out calculations involving Hire			
I can calculate hourly rate, weekly wage and annual salary I can calculate new wage given old wage and increase as a percentage I understand the terms bonus and commission I can calculate bonus and commission from given information I understand the terms time and a half, double time and treble time and can calculate overtime payments I understand what is meant by Hire Purchase and can carry out calculations involving Hire Purchase			
I can calculate hourly rate, weekly wage and annual salary I can calculate new wage given old wage and increase as a percentage I understand the terms bonus and commission I can calculate bonus and commission from given information I understand the terms time and a half, double time and treble time and can calculate overtime payments I understand what is meant by Hire Purchase and can carry out calculations involving Hire Purchase			
I can calculate hourly rate, weekly wage and annual salary I can calculate new wage given old wage and increase as a percentage I understand the terms bonus and commission I can calculate bonus and commission from given information I understand the terms time and a half, double time and treble time and can calculate overtime payments I understand what is meant by Hire Purchase and can carry out calculations involving Hire Purchase I can calculate insurance premiums (building, contents and life)			
I can calculate hourly rate, weekly wage and annual salary I can calculate new wage given old wage and increase as a percentage I understand the terms bonus and commission I can calculate bonus and commission from given information I understand the terms time and a half, double time and treble time and can calculate overtime payments I understand what is meant by Hire Purchase and can carry out calculations involving Hire Purchase I can calculate insurance premiums (building, contents and life) e.g. premium on £64 500 at			
I can calculate hourly rate, weekly wage and annual salary I can calculate new wage given old wage and increase as a percentage I understand the terms bonus and commission I can calculate bonus and commission from given information I understand the terms time and a half, double time and treble time and can calculate overtime payments I understand what is meant by Hire Purchase and can carry out calculations involving Hire Purchase I can calculate insurance premiums (building, contents and life) e.g. premium on £64 500 at £2.90 per £1 000			
I can calculate hourly rate, weekly wage and annual salary I can calculate new wage given old wage and increase as a percentage I understand the terms bonus and commission I can calculate bonus and commission from given information I understand the terms time and a half, double time and treble time and can calculate overtime payments I understand what is meant by Hire Purchase and can carry out calculations involving Hire Purchase I can calculate insurance premiums (building, contents and life) e.g. premium on £64 500 at £2.90 per £1 000			
I can calculate hourly rate, weekly wage and annual salary I can calculate new wage given old wage and increase as a percentage I understand the terms bonus and commission I can calculate bonus and commission from given information I understand the terms time and a half, double time and treble time and can calculate overtime payments I understand what is meant by Hire Purchase and can carry out calculations involving Hire Purchase I can calculate insurance premiums (building, contents and life) e.g. premium on £64 500 at £2.90 per £1 000 I can calculate car insurance (incl NCD)			
I can calculate hourly rate, weekly wage and annual salary I can calculate new wage given old wage and increase as a percentage I understand the terms bonus and commission I can calculate bonus and commission from given information I understand the terms time and a half, double time and treble time and can calculate overtime payments I understand what is meant by Hire Purchase and can carry out calculations involving Hire Purchase I can calculate insurance premiums (building, contents and life) e.g. premium on £64 500 at £2.90 per £1 000 I can calculate travel insurance			
I can calculate hourly rate, weekly wage and annual salary I can calculate new wage given old wage and increase as a percentage I understand the terms bonus and commission I can calculate bonus and commission from given information I understand the terms time and a half, double time and treble time and can calculate overtime payments I understand what is meant by Hire Purchase and can carry out calculations involving Hire Purchase I can calculate insurance premiums (building, contents and life) e.g. premium on £64 500 at £2.90 per £1 000 I can calculate travel insurance (incl NCD) I can calculate travel insurance (incl child discount)			
I can calculate hourly rate, weekly wage and annual salary I can calculate new wage given old wage and increase as a percentage I understand the terms bonus and commission I can calculate bonus and commission from given information I understand the terms time and a half, double time and treble time and can calculate overtime payments I understand what is meant by Hire Purchase and can carry out calculations involving Hire Purchase I can calculate insurance premiums (building, contents and life) e.g. premium on £64 500 at £2.90 per £1 000 I can calculate travel insurance (incl NCD) I can calculate travel insurance (incl child discount)			
I can calculate hourly rate, weekly wage and annual salary I can calculate new wage given old wage and increase as a percentage I understand the terms bonus and commission I can calculate bonus and commission from given information I understand the terms time and a half, double time and treble time and can calculate overtime payments I understand what is meant by Hire Purchase and can carry out calculations involving Hire Purchase I can calculate insurance premiums (building, contents and life) e.g. premium on £64 500 at £2.90 per £1 000 I can calculate travel insurance (incl NCD) I can calculate travel insurance (incl child discount)			
I can calculate hourly rate, weekly wage and annual salary I can calculate new wage given old wage and increase as a percentage I understand the terms bonus and commission I can calculate bonus and commission from given information I understand the terms time and a half, double time and treble time and can calculate overtime payments I understand what is meant by Hire Purchase and can carry out calculations involving Hire Purchase I can calculate insurance premiums (building, contents and life) e.g. premium on £64 500 at £2.90 per £1 000 I can calculate travel insurance (incl NCD) I can calculate travel insurance (incl child discount) I can convert from sterling to foreign currency by multiplying by the exchange rate			
I can calculate hourly rate, weekly wage and annual salary I can calculate new wage given old wage and increase as a percentage I understand the terms bonus and commission I can calculate bonus and commission from given information I understand the terms time and a half, double time and treble time and can calculate overtime payments I understand what is meant by Hire Purchase and can carry out calculations involving Hire Purchase I can calculate insurance premiums (building, contents and life) e.g. premium on £64 500 at £2.90 per £1 000 I can calculate travel insurance (incl NCD) I can calculate travel insurance I can calculate travel insurance incl child discount) I can convert from sterling to foreign currency by multiplying by the exchange rate			
I can calculate hourly rate, weekly wage and annual salary I can calculate new wage given old wage and increase as a percentage I understand the terms bonus and commission I can calculate bonus and commission from given information I understand the terms time and a half, double time and treble time and can calculate overtime payments I understand what is meant by Hire Purchase and can carry out calculations involving Hire Purchase I can calculate insurance premiums (building, contents and life) e.g. premium on £64 500 at £2.90 per £1 000 I can calculate travel insurance (incl NCD) I can calculate travel insurance I can calculate travel insurance incl child discount) I can convert from sterling to foreign currency by multiplying by the exchange rate I can convert from foreign currency to sterling by dividing by			
I can calculate hourly rate, weekly wage and annual salary I can calculate new wage given old wage and increase as a percentage I understand the terms bonus and commission I can calculate bonus and commission from given information I understand the terms time and a half, double time and treble time and can calculate overtime payments I understand what is meant by Hire Purchase and can carry out calculations involving Hire Purchase I can calculate insurance premiums (building, contents and life) e.g. premium on £64 500 at £2.90 per £1 000 I can calculate travel insurance (incl NCD) I can calculate travel insurance I can calculate travel insurance incl child discount) I can convert from sterling to foreign currency by multiplying by the exchange rate			
I can calculate hourly rate, weekly wage and annual salary I can calculate new wage given old wage and increase as a percentage I understand the terms bonus and commission I can calculate bonus and commission from given information I understand the terms time and a half, double time and treble time and can calculate overtime payments I understand what is meant by Hire Purchase and can carry out calculations involving Hire Purchase I can calculate insurance premiums (building, contents and life) e.g. premium on £64 500 at £2.90 per £1 000 I can calculate travel insurance (incl NCD) I can calculate travel insurance I can convert from sterling to foreign currency by multiplying by the exchange rate I can convert from foreign currency to sterling by dividing by			
I can calculate hourly rate, weekly wage and annual salary I can calculate new wage given old wage and increase as a percentage I understand the terms bonus and commission I can calculate bonus and commission from given information I understand the terms time and a half, double time and treble time and can calculate overtime payments I understand what is meant by Hire Purchase and can carry out calculations involving Hire Purchase I can calculate insurance premiums (building, contents and life) e.g. premium on £64 500 at £2.90 per £1 000 I can calculate travel insurance (incl NCD) I can calculate travel insurance I can calculate travel insurance incl child discount) I can convert from sterling to foreign currency by multiplying by the exchange rate I can convert from foreign currency to sterling by dividing by			