'EAR 9	Summer 2021		-	datio				
TES	UNIT / LESSON	PRIOR KNOWLEDGE	GRADE FROM	GRADE	OBJECTIVES	Corbett		
	6 Angles	Be able to use a ruler and protractor. Have an understanding of angles as a measure of turning. Name angles and distinguish between acute, obtuse, reflex and right angles. Recognise reflection symmetry, be able to identify and draw lines of symmetry, and complete diagrams with given number of lines of symmetry. Recognise rotation symmetry and be able to identify orders of rotational symmetry, and complete diagrams with given order of rotational symmetry. Know the properties of special triangles and quadrilaterals.	2	5			description	
	6.1 Properties of shapes	Identify lines of symmetry and rotational symmetry	2	3	Solve geometric problems using side and angle properties of	video		
19/04/2021		in 2D shapes.		_	quadrinater alor	33	Angles in quadrilaterals	316 + 317 line and rotational symmetry
		Draw angles. Know that the angles in a quadrilateral sum to 360°.			Identify congruent shapes.	66	Congruent shapes	
		Know that the angles in a quadriateral sum to 500.				28 + 31	Drawing and measuring angles	
26/04/2021	6.2 Angles in parallel lines	Identify parallel and perpendicular lines.	3	3	Understand and use the angle properties of parallel lines.	25	angles - parallel lines	
		Identify acute and obtuse angles.			Find missing angles using corresponding and alternate angles.	39	vertically opposite angles	
	6.3 Angles in triangles	Identify different types of triangles.	2	3	Solve angle problems in triangles.	3 <del>3</del> 37	Angles - triangle	
		Know that the angles in a triangle sum to 180°.	-		Understand angle proofs about triangles.	38	types of angles	
	6.4 Exterior and interior angles	Recall the number of sides of different polygons.	2	4	Calculate the interior and exterior angles of regular polygons.			
03/05/2021						32	angles polygons	
		Know the properties of special triangles and						
	6.5 More exterior and interior	quadrilaterals. Recall the number of interior angles in different	2	5	Calculate the interior and exterior angles of polygons.			
	angles	polygons.	2					
		Identify exterior and interior angles.			Explain why some polygons fit together and some others do not			
				_				
	6.6 Geometrical patterns	Using angle facts to find missing angles.	3	5	Solve angle problems using equations.			
	7 Averages and range	Write an equation to solve a problem.	1	4	Solve geometrical problems showing reasoning.			
		Calculate the midpoint of two numbers. Draw the statistical diagrams in unit 3. Use inequality notation. Calculate the mode, median and the range.						
	7.1 Mean and range	Understand that sharing equally involves dividing a	2	3	Calculate the mean from a list and from a frequency table.			
10/05/2021		total.				53,54		
		Identify the mode.			Compare sets of data using the mean and range.	57		
	7.2 Mode, median and range	Identify the mode, median and range.	2	3	Find the mode, median and range from a stem and leaf diagram.	170		
		Identify an incorrect value.			Identify outliers.			
		Draw a stem and leaf diagram.			Estimate the range from a grouped frequency table.			
		Understand inequality notation.						
17/05/2021	7.3 Types of average	Find the mode, median and mean.	1	3	Recognise the advantages and disadvantages of each type of			
					average. Find the modal class.			
					Find the median from a frequency table.	50/51		
	7.4 Estimating the mean	Calculate the value halfway between pairs of	4	4	Estimate the mean of grouped data.			
24/05/2021		numbers.				55		
		Calculate the mean.						
		Read data from a frequency table.					]	

LF TERM	7 E Compling	Understand the use of random numbers in a real-life	2	2	Understand the need for sampling.
07/06/2021	7.5 Sampling	situation.	3	3	
			-		Understand how to avoid bias.
	8 Perimeter, area and volume 1		2	5	
		Measure lines.			
		Recall the names of 2D shapes.			
		Identify and name common 3D solids: cubes,			
		cuboids, prisms, cylinders, pyramids, cones and			
		spheres.			
		Use strategies for multiplying and dividing by powers			
		of 10. Find areas by counting squares and volumes by			
		counting cubes.			
		Interpret scales on a range of measuring			
		instruments.			
		Convert metric units to metric units.			
	8.1 Rectangles, parallelograms	Understand the meaning of 'perpendicular'.	3	3	Calculate the perimeter and area of rectangles, parallelograms
14/06/2021	and triangles				triangles.
		Work out the perimeter and area of triangles and			Estimate lengths, areas and costs.
		rectangles.			
					Calculate a missing length, given the area.
	8.2 Trapezia and changing units	Multiplying and dividing by powers of 10, converting	3	3	Calculate the area and perimeter of trapezia.
21/06/2021		between millimetres, centimetres and metres.			
21/00/2021					Find the height of a trapezium given its area.
					Convert between area measures.
		Know that 1 km = 1000 m	2	2	
28/06/2021	8.3 Area of compound shapes		3	3	Calculate the perimeter and area of shapes made from triangles rectangles.
,,		Multiply and divide by powers of 10.			Calculate areas in hectares, and convert between ha and m2.
		Convert between metric measures of area.			
	8.4 Surface area of 3D solids	Describe shapes using correct vocabulary, including	3	4	Calculate the surface area of a cuboid.
05/07/2021		face, edge and vertex.	5	-	
		Sketch the net of a cuboid.			Calculate the surface area of a prism.
		Work out the area of rectangles, triangles and			
		trapezia.			
12/07/2021	8.5 Volume of prisms	Identify cross sections of prisms.	2	4	Calculate the volume of a cuboid.
		Decide whether a 3D solid is a prism.			Calculate the volume of a prism.
	8.6 More volume and surface	Multiply and divide by large powers of 10.	3	5	Solve problems involving surface area and volume.
19/07/2021	area				
· ·		Know that 1 litre = 1000 ml.			Convert between measures of volume.
		Work out the volume and surface area of a prism.			
		······································		1	

