SECOND TERM WEEKLY LESSON NOTES WEEK 6

Week Ending: 12-05-2023		DAY:		Subject: Mathematics		
Duration: 60MINS				Strand: Geometry & Measurement		
Class: B8	Class Size: Sub Stra Correspo		Sub Strand: Alternate Corresponding Angles	and: Alternate And bonding Angles		
Content Standar B8.3.1.1 Demonst relationship betwo corresponding any triangle to deduce	d: rate understan een parallel line gles and use the the angle sum	iding and use of the es and alternate and e sum of angles in a n in any polygon	Indicato B8.3.1.1. values of correspo	r: I Draw and determine th alternate and onding angles.	he Lesson:	
Performance Ind Learners can drav corresponding and	icator: v and determin gles	e the values of alterna	the values of alternate and Core Competencies: Communication and Coll Critical Thinking and Pro		boration (CC) lem solving (CP)	
References: Math	ematics Curric	ulum Pg. 123				
		• •.•				
Phase/Duration	Learners Act	ivities			Kesources	
STARTER		earners on the previol	is lesson.			
	Share performance indicators with learners and introduce the lesson.					
LEARNING	An angle is a measure of the space between two intersecting lines or surfaces, often measured in degrees or radians. It is formed when two lines or surfaces meet at a common point, called the vertex of the angle. Revise with learners on the types of angles.					
	1. Acute Angle: An acute angle is an angle whose measure is between 0 and 90 degrees.					
	2. Right Angle: A right angle is an angle whose measure is exactly 90 degrees. It is often represented by a small square placed at the vertex of the angle.					
	3. Obtuse Angle: An obtuse angle is an angle whose measure is between 90 and 180 degrees.					
	4. Straight Angle: A straight angle is an angle whose measure is exactly 180 degrees. It is essentially a straight line.					
	5. Reflex Angle: 360 degrees.	A reflex angle is an angle	whose mea	sure is between 180 and		
	6. Complement up to 90 degree	ary Angles: Two angles are es.	compleme	ntary if their measures add		
	7. Supplementa to 180 degrees.	ry Angles: Two angles are	supplement	ary if their measures add up		
	8. Congruent Ar	ngles: Two angles are cong	ruent if the	have the same measure		



	48° 58° d° b° c°a°	
PHASE 3:	Use peer discussion and effective questioning to find out from	
REFLECTION	learners what they have learnt during the lesson.	
	Take feedback from learners and summarize the lesson.	

Week Ending: 12-05-2023		DAY:		Subject: Mathematics	
Duration: 60MINS				Strand: Geometry & Measurement	
Class: B8		Class Size:		Sub Strand: Sum Of In	terior Angles
Content Standard B8.3.1.1 Demonst relationship betwe corresponding any triangle to deduce	d: rate understan een parallel line gles and use the the angle sum	ding and use of the es and alternate and e sum of angles in a in any polygon	Indicator: B8.3.1.1.2 angles in a of the sun triangle ar	Determine the values of triangle using knowledge of interior angles in a 2 of 2 ad other properties.	
Performance Indicator: Learners can determine the values of angles in a triangle using knowledge of the sum of interior angles in a triangle and other properties.					aboration (CC) blem solving (CP)
References: Math	ematics Curric	ulum Pg. 124			
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Phase/Duration	Learners Act	vities	is losson		Kesources
STARTER	Share perform lesson.	nance indicators with	learners an	d introduce the	
PHASE 2: NEW LEARNING	Revise with le Guide learner triangle. Learners in p in a polygon a hexagon. To derive the f start by dividin triangles by dri number of tria the number of For example, o below:	Counters, bundle and loose straws base ten cut square, Bundle of sticks			

	From this diagram, we can see that the sum of the interior angles of the	
	pentagon is equal to the sum of the interior angles of the three triangles.	
	Each triangle has two interior angles that are shared with the other triangles and one angle that is unique to that triangle. Therefore, the sum of the interior angles of each triangle is 180 degrees, and the sum of the interior angles of the polygon is:	
	Sum of interior angles = (number of triangles) x 180 degrees	
	The number of triangles in the polygon is two less than the number of sides or vertices, so we can substitute (n - 2) for the number of triangles:	
	Sum of interior angles = $(n - 2) \times 180$ degrees	
	where n is the number of sides or vertices in the polygon.	
	Therefore, we have derived the formula for the sum of interior angles in a polygon, which is:	
	Sum of interior angles = $(n - 2) \times 180$ degrees.	
	Learners to use the formula for finding the sum of interior angles in a polygon $(n-2)180$ to determine the value of x in the hexagon.	
	120° 110°	
	x° 160° 130°	
PHASE 3:	Use peer discussion and effective questioning to find out from	
REFLECTION	learners what they have learnt during the lesson.	
	Take feedback from learners and summarize the lesson.	