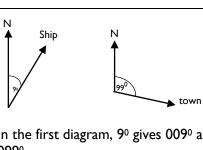
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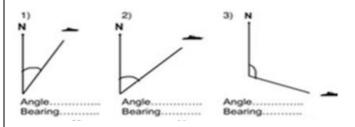
TERM THREE WEEKLY LESSON NOTES WEEK 5

Week Ending: 14th OCT, 20	22	DAY:		Subject: Mathematics			
Duration: 60MINS			Strand: Geometry & Measurement				
Class: B7		Class S	Size:	Sub Strand: Bearing			
Content Standard: B7.3.2.3 Demonstrate underst vector and its components usi			Indicator: B7.3.2.3.1 Descri another point	be the bearing of a point fr	om	Lesson:	
Performance Indicator: Learners can describe the bearing of a point from another			nother point	Core Competencies: Communication and Collaboration (CC) Critical Thinking and Problem solving (CP)			
References: Mathematics C	Curriculum	Pg. 58					
Phase/Duration	Learners Activities				Resources		
PHASE I: STARTER			ers on the previo	us lesson.			
	Share per	formano	e indicators and	introduce the lesson.			
PHASE 2: NEW LEARNING	places in	the com		to give direction to ference to the cardinal and West.			
	Brainstorm learners for the meaning of Bearing. Bearings give directions in terms of an angle.						
	Call 2 stu apart. Ask learn students	ers to ta					
	Write on Guide lea towards l	rners to					
	Guide lea	Kwa	draw a diagram	to explain that.			
	Draw the	diagram	s to the three figns and guide learn describe them.	ure bearings. ers to use the three			



In the first diagram, 90 gives 0090 and 990 gives a bearing 0990.

Guide learners to use protractor to find the marked angles. For each diagram write the three-digit bearing.



Learners recognize true bearings as the angle measured in the clockwise direction from the North.

Guide learners to express the following vectors graphically and measure each angle.

(i)
$$\overrightarrow{PQ} = \begin{pmatrix} -3\\4 \end{pmatrix}$$
 (ii) $\overrightarrow{BC} = \begin{pmatrix} 2\\3 \end{pmatrix}$

(ii)
$$\overrightarrow{BC} = \binom{2}{3}$$

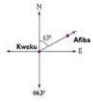
In pairs learners draw the following vectors and measure each angle.

(i)
$$\overrightarrow{AB}$$
 = (3km,060) (ii) \overrightarrow{QR} = (5km,120)

(ii)
$$\overrightarrow{QR}$$
 = (5km, 120)

<u>Assessment</u>

State the bearing of the point kweku in each of the diagram.





PHASE 3: **REFLECTION** Use peer discussion and effective questioning to find out from learners what they have learnt during the lesson.

Take feedback from learners and summarize the lesson.

Week Ending: 14th OCT, 2022 DAY:			Subject: Mathematics			
Duration: 60MINS		Strand: Geometry & Measurement				
Class: B7 Class Siz		Sub Strand: Back Beari		ng		
Content Standard: B7.3.2.3 Demonstrate under vector and its components		Indicator: B7.3.2.3.2 Explain how to find the back bearing when the direction of travel has a bearing which is less than 180° and/ or greater than 180°		vhen than	Lesson: 2 of 2	
Performance Indicator: Learners can find the Back E or less than 180.	Bearing when the direct	Core Competencies: Communication and Collaboration (CC) Critical Thinking and Problem solving (CP)				
References: Mathematics	Curriculum Pg. 58					
Phase/Duration	Learners Activities			Resour		
PHASE I: STARTER		s on the previous le	sson	Kesour	ces	
	Share performance	indicators and intro	duce the lesson.			
PHASE 2: NEW LEARNING	Draw these diagrams on the and ask learners in groups to solve them. Call groups to present their answers on the board.					
LLAMMING	Solve them. Call gift		answers on the board.			

Introduce learners to the back bearing. Explain to learners that bearings are useful if you are heading out to someplace and

1. When the direction of travel bearing is less than 180

Example your bearing is 50, then your back bearing is 230.

Back bearing = (180 + direction of travel bearing)

then returning along the same line of travel.

BB = (180 + 50) = 230

