## THIRD TERM WEEKLY LESSON NOTES WEEK 3

Week Ending: 14-07-2023		DAY:		Subje	Subject: Mathematics		
Duration: 60MINS			Stran	Strand: Number			
Class: B8		Class Size:		Sub S	Sub Strand: Ratios and Proportion		on
Content Standard:Indicator:B8.1.4.1Demonstrate an understanding of ratio, rate and proportions and use it these to solve real-world mathematical problemsB8.1.4.1.4 Recognize and represent proportion relationships between quantities by deciding where two quantities are in a proportional relationship					nether	Lesson:	
Performance Indicator: Learners can recognize and represent proportional relationships between quantities by deciding whether two quantities are in a proportional relationshipCore Competenci Communication and Critical Thinking and					Collabo		
References: Math	ematics Currici	ulum Pg.	105				
Phase/Duration PHASE I: <b>STARTER</b>	Learners ActivitiesResourcesUsing blackboard illustrations, review learners understanding in the previous lesson.					urces	
PHASE 2: NEW LEARNING	Introduce the lesson by sharing the performance indicators.Brainstorm and discuss with learners the meaning of proportional relationship.Counters, bi and loose st base ten cut base ten cut Bundle of stiA proportional relationship is a type of relationship between two quantities in which their ratio remains constant. In other words, when 					oose straws ten cut square,	
	Example: the t certain distance	260 $\frac{60}{2} = 30$ 390 $\frac{90}{3} = 30$ uide learners to solve examples on proportional relations. kample: the table below shows the ime spent by kofi to cover ertain distance on his motor bike. Determine whether the table proportional or not.Time (hr)Distance (km)					

				I			
	2	6					
	4	12					
	6	18					
	Solution	,					
	Time (hr)	Distance	Ratio of				
		(km)	distance to time				
	0	0	0				
	2	6	$\frac{6}{-} = 3$				
			2				
	4	12	$\frac{12}{2} = 3$				
			$\frac{-5}{4}$				
	6	18	$\frac{4}{12} = 3$				
			$\frac{1}{4} = 3$				
		1					
	From the table, we can deduce that since the ratios are						
	equivalent, the table is proportional.						
	<u>Assessment</u>						
	Study the table below and determine whether the table is						
	proportional or						
	Time (hr) Distance (km)						
	0	4					
	2	10					
	4	16					
	6	22					
PHASE 3:			questioning to find o	out from			
REFLECTION	learners what they have learnt during the lesson.						
	Take feedback from learners and summarize the lesson.						

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Duration: 60MINS				Strand: Number			
Class: B8		Class S	Size: Sub Strand: Ratios and Propo		ortion		
Content Standard: B8.1.4.1 Demonstrate an understanding of ratio, rate and proportions and use it these to solve real-world mathematical problemsIndicator: B8.1.4.1.5 Identify the constant of proportionality (unit rate) in tables, graphs, equations, diagrams, and verbal descriptions of proportional relationships.Performance Indicator:Core Competencies:							
Learners can make tables of equivalent ratios relating quantities that are proportional Communication and Collaboration Thinking and Problem solving (C					· · /		
References: Math	-	ulum Pg.	102		/		
Phase/Duration PHASE I:	Learners Acti				Resources		
STARTER	Using blackboard illustrations, review learners understanding in the previous lesson.						
		Introduce the lesson by sharing the performance indicators.					
PHASE 2: NEW LEARNING	Guide learner When two valincrease or divariable doub that expresses y = kx Where y and proportionalivalues of y an For example, then the const k = y/x = 4/2 So the equativation y = 2x This means the multiplied by remain constant An ant travels and 15 second	Counters, bundle and loose straws base ten cut square, Bundle of sticks					
PHASE 3: REFLECTION			nd effective ques ve learnt during 1	tioning to find out from he lesson.			
	Take feedbac	k from le	earners and sumr	narize the lesson.			