SECOND TERM LESSON PLAN

MATHEMATICS – B7

WEEK 2

Date: 20 TH MAY, 2022		Period:		Subject: Mathematics					
Duration: 50MINS				Strand: Number					
Class: B7		Class Size:		Sub Strand: Ratios and Proportion					
Content Standard: B7.1.4.1 Demonstrate an understanding concept of ratios and its relationship to use it to solve problems that involve rat and proportional reasoning Performance Indicator:		of the fractions and es, ratios,		ake tables of atios (written as ctions) relating at are proportional. Core Competencies Critical Thinking and	Lesson: : Problem solving (CP)				
References: Mathematics Curriculum Pg. 25-26									
Phase/Duration	Learners	Activities			Resources				
PHASE I: STARTER	Revise wi Call volu questions	th learners o nteer learners	Resources						
PHASE 2: NEW LEARNING	Introduce the lesson by sharing performance indicators.Counters, bundle and loose strawsGuide learners to use of application of proportion in solving problems in maths.Counters, bundle and loose straws1. Find the total ratio. The ratio xy gives you $(x+y)$ Counters, bundle and loose straws2. Find what one part is. Thus the part corresponding to x, y or z. the share corresponding to x can be found by using the fraction $\frac{x}{x+y}$. Similarly $\frac{y}{x+y}$ Bundle of sticksExample: Kafui, Adoley and Jantuah shared an amount of money in the ratio of their ages. Kafui is 36 years old, Adoley is 48years and Jantuah is 24years old. If Jantuah received GHQ24000, how much money did they share?First write down their ratios; Kafui : Adoley : Jantuah = 36 : 48 : 24Their equivalent ratio will be = 3 : 4 : 2Find their total ratio = 9Now find what one part is: Jantuah = 24000 that is 2 : 24000Now find what one part is: Jantuah = 24000 that is 2 : 24000								
	Kafui's sh								

	 Jantuah's share = ³/₉ × a = 24000 a = ^{9 x 24000}/₃ = 72000 therefore the total amount shared is GH¢72000 Have learners go ahead to find Kafui and Adoley's share. Let learners practice with more examples. <u>Assessment</u> A man shares his money between his sons Kofi and Kwaku in the ratio 2 : 3. If Kofi's share is 100, find the amount shared and kwaku's share. A green paint is mixed from blue and yellow paint in the ratio 3 : 5. How much of each color is needed to 	
	make 40liters of his green paint?	
REFLECTION	from learners what they have learnt during the lesson.	
	Take feedback from learners and summarize the lesson.	

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Class: B7		Class Size:		Sub Strand: Ratios and Proportion				
Content Standard: B7.1.4.1 Demonstrate an understanding concept of ratios and its relationship to fractions and use it to solve problems th involve rates, ratios, and proportional re		of the at easoning	Indicator: B7.1.4.1.4 Use th reasoning to find tables, and plot p coordinate plane	e proportional missing values in the airs of values on the	Lesson:			
Performance Indicator: Learners can find missing values in the tabl values on the coordinate plane			plot pairs of	Core Competencies Critical Thinking and	: Problem solving (CP)			
References: Mathematics Curriculum Pg. 25-26								
Phase/Duration	Resources							
PHASE I: STARTER	Revise with learners on the previous lesson. Call volunteer learners to the board to solve sample questions.							
PHASE 2: NEW LEARNING	Find the veloce of the second	ing value ing value ing value ing value rners fin equivaler 1 x 3 4 means t arners to ent 8 30 values of	Counters, bundle and loose straws base ten cut square, Bundle of sticks					
PHASE 3: REFLECTION	Use peer from lear	discussic ners wha						
	Take feedback from learners and summarize the lesson.							