Fayol Inc. 0547824419

FIRST TERM WEEKLY LESSON NOTES WEEK 9

Week Ending: 30-11-2023		DAY:		Subject: Mathematics		
Duration: 100MINS			Strand: Number			
Class: B9		Class Size	Class Size: Sub Strand Percentage		: Fractions, Decimals and	
B9.1.3.1 Apply the uperations on fractiproblems involving fundatities and round given decimal and si	inderstanding of ons to solve fractions of giver d the results to gnificant places	B9.1.3. given fr operati	Indicator: B9.1.3.1.2 Add and/or subtract, multiply and/or dividence of given fractions, using the principle of order of operations including the use of the BODMAS or PEMDAS rule, and apply the understanding of these solve problems.		Lesson:	
Performance Indicator: Learners can add, subtract, multiply, and divide given fractions using the principles of the order of operations (BODMAS or PEMDAS).				Core Competencies: Communication and Collaboration (CC) Critical Thinking and Problem solving (CP)		
References: Math	ematics Curric	ulum Pg. 17	70			
New words: Fract	ions, Numerat	or, Denom	inator, Operations			
DI /D		••				
Phase/Duration PHASE I:	Learners Acti		quick review of the o		Resources	
	such as 3 + 5 x 2, and ask learners to solve it. Discuss their solutions and introduce the concept of performing operations in a specific order. Share performance indicators and introduce the lesson.					
PHASE 2: NEW LEARNING	solve differen multiplication Emphasize the Walk around Introduce exp Write a few eclass.	group with t fraction e , and division e important the class, of pressions in examples of teps involve	fraction cards and a expressions using add on. ce of following the confering guidance and avolving both whole	order of operations. I clarification as needed. numbers and fractions. we them together as a	Fraction cards	

	Convert the whole number 2 to a fraction with the same denominator as $\frac{3}{5}$. In this case, the denominator is 5. $\frac{2}{1}*\frac{5}{5} = \frac{10}{5}$	
	Now that both fractions have the same denominator, you can add their numerators. $\frac{3}{5} + \frac{10}{5} = \frac{13}{5}$	
	So, $\frac{3}{5} + 2 = \frac{13}{5}$	
	Write questions with expressions that involve fractions and whole numbers on the board and let learners solve in pairs.	
	Guide learners through the process of solving these expressions step by step. Encourage peer collaboration and discussions.	
	Emphasize the importance of simplifying fractions before performing other operations.	
	Assessment 3 . 2	
	1. $\frac{3}{5} + 2$ 2. $\frac{4}{3} * \frac{3}{7}$ 3. $2 - \frac{1}{4} / \frac{1}{2}$	
	4. $\frac{5}{6} * (3 + \frac{1}{2})$	
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: 30-11-2023		DAY:		Subject: Mathematics		
Duration: 100MINS				Strand: Number		
Class: B9		Class Size:		Sub Strand: Fractions, De Percentages	ecimals and	
Content Standard B9.1.3.1 Apply the u operations on fracti problems involving f quantities and round given decimal and si	inderstanding of ons to solve fractions of giver d the results to gnificant places	the principle of of the BODMA	ndicator: 9.1.3.1.2 multiply and/or divide given fractions, using perinciple of order of operations including the use of the BODMAS or PEMDAS rule, and apply the inderstanding of these to solve problems.			
	the order of op lify expressions		rations (BODMAS or nvolving fractions with Core Competencies: Communication and Colla Critical Thinking and Prob			
References: Math	ematics Curric	ulum Pg. 170				
New words: Fract	tions, Equivalen	t fractions, Simplest	t form, Mix	ed number		
Phase/Duration	Learners Acti	vities			Resources	
PHASE I: STARTER	Begin the lesson with a quick review of the order of operations (BODMAS or PEDMAS). Write a simple expression on the board, such as $\frac{3}{5}$ +2×4, and ask learners to solve it. Discuss their solutions and introduce the concept of performing operations in a specific order. Share performance indicators and introduce the lesson.					
PHASE 2: NEW LEARNING	cards and indo operations. Ask each grouf focusing on focusing each step of the card multiple of the card step of the card individual operations.	ex cards containing up to work together bllowing the order of tion within the grou oup to present their ent approaches and ing expressions with ons on the board with operations. h a few examples as	expression r to simplify of operation ups. r solutions highlight th h fractions	y the expressions, ns. Encourage discussions	Index cards with expressions involving fractions and multiple operations	

Multiplication	
$\frac{1}{4} * 2 = \frac{1*2}{4} = \frac{2}{4}$	
Addition and Subtraction (from left to right):	
$\frac{2}{3} + \frac{2}{4} - \frac{1}{6}$	
• Find a common denominator (12 in this case):	
$\frac{8}{12} + \frac{6}{12} - \frac{2}{12}$	
Combine the fractions:	
$\frac{8}{12} + \frac{6}{12} - \frac{2}{12} = \frac{12}{12} = 1$	
12 12 12 12	
So, $\frac{2}{3} + \frac{1}{4} * 2 - \frac{1}{6} = 1$	
30, 3 4 2 6 1	
Encourage learners to ask questions and discuss their reasoning.	
Assessment	
$1 \frac{2}{1} + \frac{1}{1} * 2 = \frac{1}{1}$	
1. $\frac{2}{3} + \frac{1}{4} * 2 - \frac{1}{6}$ 2. $\frac{3}{5} * \frac{2}{3} + \frac{1}{2}$ 3. $\frac{4}{7} - \frac{1}{2} / \frac{1}{4}$ 4. $\frac{1}{2} + \frac{3}{4} * \frac{2}{3} - \frac{1}{5}$	
$2. \frac{3}{5} * \frac{2}{3} + \frac{1}{2}$	
$\left \frac{3}{3} + \frac{4}{5} + \frac{1}{5} \right ^{\frac{1}{5}}$	
7 2 4	
$4. \frac{1}{2} + \frac{3}{4} \cdot \frac{2}{3} - \frac{1}{5}$	
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.	