

DAILY LESSON LOG OF M9AL-III-f-1

School		Grade Level	Grade 9
Teacher		Learning Area	Mathematics
Teaching Date and Time		Quarter	Third
I. OBJECTIVES	Objectives must be met over the week and connected to the curriculum standards. To meet the objectives, necessary procedures must be followed and if needed, additional lessons, exercises and remedial activities may be done for developing content knowledge and competencies. These are assessed using Formative Assessment Strategies. Valuing objectives support the learning of content and competencies and enable children to find significance and joy in learning the lessons. Weekly objectives shall be derived from the curriculum guides.		
A. Content Standards	The learner demonstrates understanding of key concepts of similarity.		
B. Performance Standards	The learner is able to investigate, analyze, and solve problems involving similarity through appropriate and accurate representation.		
C. Learning Competencies/ Objectives	Learning Competency: Describes a proportion. (M9AL-III-f-1) Learning Objectives: 1. Describe a proportion. 2. Apply the principle of proportion to find the value of the missing term. 3. Demonstrate ratio and proportion in real-life situations.		
II. CONTENT	Similarity		
III. LEARNING RESOURCES	Teacher's guide, learner's module		
A. References			
1. Teacher's Guide	Page 233-234		
2. Learner's Materials	Page 358-359		
3. Textbook pages			
4. Additional Materials from Learning Resource (LR) portal			
B. Other Learning Resources			
IV. PROCEDURES	<i>These steps should be done across the week. Spread out the activities appropriately so that pupils/students will learn well. Always be guided by demonstration of learning by the pupils/ students which you can infer from formative assessment activities. Sustain learning systematically by providing pupils/students with multiple ways to learn new things, practice the learning, question their learning processes, and draw conclusions about what they learned in relation to their life experiences and previous knowledge. Indicate the time allotment for each step.</i>		
A. Review previous lesson or presenting the new lesson	The teacher, with the students, reviews the previous lesson by letting the students answer the following: 1. Ana is 10 years old, while her mother is 35 years old. What is the ratio of Ana's age to her mother's age? 2. If there are 18 boys and 21 girls in a class, what is the ratio of the number of boys to the number of girls?		

	Subtraction Property $\frac{y-3}{3} = \frac{a-4}{4}$ $4(y - 3) = 3(a - 4)$ $4y - 12 = 3a - 12$ $4y = 3a$ Sum Property of the Original Proportion $\frac{y}{3} + \frac{a}{4} = \frac{y+a}{7}$ for $\frac{y}{3} = \frac{y+a}{7}$: $7y? 3(y + a)$ $7y? 3y + 3a$ $4y=3a$ For $\frac{a}{4} = \frac{y+a}{7}$: $7a? 4(y + a)$ $7a? 4y + 4a$ $3a = 4y$ $4y = 3a$
G. Finding practical applications of concepts and skills in daily living	
H. Making generalizations and abstractions about the lesson	The teacher summarizes the mathematical skills or principles used in finding the unknown value. “The principle of proportion states that the product of the means is equal to the product of the extremes”.
I. Evaluating Learning	The teacher lets the students answer individually the formative assessment. Find the unknown term of the proportion. $x: 4 = 5: 10$ $\frac{8}{x} = \frac{4}{9}$ $7: 8 = 4: x$ $4: x = x: 9$ $\frac{2}{3} = \frac{x}{12} = \frac{y}{15}$ $3: 4 = 9: x$ $\frac{5}{10} = \frac{6}{m}$ $4: x = x: 25$ $1: (x + 3) = (x - 3): 7$ $8: 4 = (3 + x): x$ Answer Key: 2 18 $\frac{32}{7}$ -6, 6 - X=8, y=10 12 12 -10, 10 -4, 4 3
J. Additional activities or remediation	
V. REMARKS	
VI. REFLECTION	Reflect on your teaching and assess yourself as a teacher. Think about your students' progress. What works? What else needs to be done to help the pupils/students learn? Identify what help your instructional supervisors can provide for you so when you meet them, you can ask them relevant questions.

A. No. of learners who earned 80% of the evaluation	
B. No. of learners who require additional activities for remediation who scored below 80%	
C. Did the remedial lesson work? No. of learners who have caught up with the lesson.	
D. No. of learners who continue to require remediation	
E. Which of my teaching strategies worked well? Why did these work?	
F. What difficulties did I encounter which my principal or supervisor can help me solve?	
G. What innovation or localized materials did I use/ discover which I wish to share with other teachers	

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