

DAILY LESSON LOG OF M7SP-IVh-1 (DAY TWO)

School		Grade Level	Grade 7
Teacher		Learning Area	Mathematics
Teaching Date and Time		Quarter	Fourth
I. OBJECTIVES	<i>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 the Formative Assessment Strategies. Valuing objectives support the learning content and competencies and enable children to find significance and joy in learning the lessons. Weekly objectives shall be derived from the curriculum guides.</i>		
A. Content standard	The learner demonstrates understanding of key concepts, uses and importance of Statistics, data collection/gathering and the different forms of data representation, measures of central tendency, measures of variability, and probability.		
B. Performance Standards	The learner is able to collect and organize data systematically and compute accurately measures of central tendency and variability and apply these appropriately in data analysis and interpretation in different fields		
C. Learning Competencies/ Objectives	Learning Competency: illustrates the measures of variability (Range, average deviation, variance, standard deviation) of a statistical data. (M7SP-IVh-1) Learning Objectives: 1. Define standard deviation; 2. Calculate the standard deviation measures of variability of a given set of data; and 3. Demonstrate appreciation in the process of arriving the standard deviation		
II. CONTENT	Statistics and Probability		
III. LEARNING RESOURCES			
A. References	Materials from learning resource (LR) portal and website		
1. Teacher's Guide			
2. Learner's Materials			
3. Textbook Pages			
4. Additional Materials from the Learning Resource (LR) portal	Learning Resource (Modules of Least Learned LC's)		
B. Other learning Resources	https://www.depednegor.net/uploads/8/3/5/2/8352879/math_teachers_guide_10.pdf		
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 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	Review the previous lesson by letting the students answer the exercise. Solve the following: 1. If the range of the set of scores is 29 and the lowest score is 18, what is the highest score? 2. The weights in kilogram of 10 students are: 52, 55, 50, 55, 43, 45, 40, 48, 45, 47 Answer Key: 1. 14 2. 4						
B. Establishing a purpose for the lesson	The teacher lets the students realize that recognizing the common measures of variability is important to describe the amount of spread in a set of data.						
C. Presenting examples/ instances of the new lesson	The teacher lets the students work in pair to do the activity 5: Standard Deviation found in the Learning Resource (Modules of Least Learned LC's) or at this website https://www.depednegor.net/uploads/8/3/5/2/8352879/math_teachers_guide_10.pdf Answer key: a. 22 b. refer to the table c. refer to the table d. refer to the table e. refer to the table f. 10 						
D. Discussing new concepts and practicing new skills #1	The teacher discusses with the students on the process of getting the answer of each exercise in activity 5. He/she discusses furthermore the Standard deviation by giving the examples below; Compare the standard deviation of the scores of the three students in their Mathematics quizzes. <table border="1" data-bbox="586 1440 1430 1556"> <tbody> <tr> <td>Student A</td><td>97, 92, 96, 95, 90</td></tr> <tr> <td>Student B</td><td>94, 94, 92, 94, 96</td></tr> <tr> <td>Student C</td><td>95, 94, 93, 96, 92</td></tr> </tbody> </table> Answer Key: Student A: 2.6 Student B: 1.3 Student C: 1.4 The scores of Student B is clustered closer to the mean. This shows that the score of Student B is the most consistent among the three sets of scores.	Student A	97, 92, 96, 95, 90	Student B	94, 94, 92, 94, 96	Student C	95, 94, 93, 96, 92
Student A	97, 92, 96, 95, 90						
Student B	94, 94, 92, 94, 96						
Student C	95, 94, 93, 96, 92						

E. Discussing new concepts and practicing new skills #2	
F. Developing mastery (leads to formative assessment 3)	Working in Pairs, the teacher lets the students answer the following exercise. Compute the standard deviation for each set of numbers. 1. (12, 13, 14, 15, 16, 17, 18) 2. (7, 7, 8, 12, 14, 14, 14, 14, 15, 15) 3. (12, 12, 13, 13, 13, 13, 13, 15, 19, 20, 20) 4. (12, 13, 17, 22, 22, 23, 25, 26) 5. (23, 25, 27, 27, 32, 32, 36, 38) Answer Key: 1.) 6.24 2.) 3.16 3.) 3.07 4.) 4.27 5.) 6.28
G. Finding practical applications of concepts and skills in daily living	
H. Making Generalizations and abstraction about the lesson	The teacher summarizes the common measures of variability like standard deviation and also the definition of it through questions like: 1. How did you get the standard deviation? 2. What is standard deviation? 3. What is the formula in getting the standard deviation? Possible responses: 1. Steps on arriving the standard deviation - Step 1. Compute the mean score. - Step 2. Complete the table - Step 3. Compute the standard deviation 2. Standard deviation is a quantity calculated to indicate the extent of deviation for a group as a whole. 3. 
I. Evaluating Learning	The teacher lets the students answer the formative assessment individually. Solve the following: A. The reaction times for a random sample of nine subjects to a stimulant were recorded as 2.5, 3.6, 3.1, 4.3, 2.9, 2.3, 2.6, 4.1 and 3.4 seconds. Calculate the range and standard deviation.

	B. Suppose two classes achieved the following grades on a math test, find the range and the standard deviation. Class 1: 64, 70, 73, 77, 85, 90, 94 Class 2: 74, 75, 75, 76, 79, 80, 94 Answer Key: A. Range = 2.0, SD = 0.66 B. Range = 30, SD = 27.98 Range = 20, SD = 27.26
J. Additional Activities or remediation	
V. REMARKS	
VI. REFLECTION	<i>Reflect on you 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.</i>
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	