**DAILY LESSON LOG OF M7SP – IVf-g-1 (Week One-Day One)**

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| **School** | | **Grade Level** | Grade 7 |
| **Teacher** | | **Learning Area** | Mathematics |
| **Teaching Date and Time** | | **Quarter** | Fourth |
| **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 , 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: calculates the measures of central tendency of ungrouped and grouped data. – **M7SP – IVf – g - 1**<br><br>Learning Objectives:<br>1. Define the three measures of central tendency;<br>2. Compute for the mean, median, and mode of ungrouped data; and<br>3. Cooperate actively in a group activity. | | |
| **II. CONTENT** | Measures of Central Tendency of Ungrouped Data | | |
| **III. LEARNING RESOURCES** | teacher's guide, learner's module, | | |
| **A. References** | | | |
| **1. Teacher's Guide** | | | |
| **2. Learner's Materials** | | | |
| **3. Textbook pages** | | | |
| **4. Additional Materials from Learning Resource (LR) portal** | | | |
| **B. Other Learning Resources** | | | |
| **IV. PROCEDURES** | *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* | | |

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| | *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.* |
| **A. Review previous lesson or presenting the new lesson** | The teacher asks the following questions to the students:<br>1.) Have you ever experienced to compute the average of your grades for you wanted to compare it with your other classmates' grades? How did you compute it?<br>2.) Have you ever experienced to determine your grade that you always encounter in your report card?<br>3.) Do you know that in these everyday experiences at school, we always encounter the three measures of central tendency? Why do you say so?<br>Possible Response:<br>1.) answers may vary<br>If yes, by getting the sum and divide it by the number of grades.<br>2.) Yes, or No<br>3.) Answers may vary. |
| **B. Establishing a purpose for the lesson** | The teacher lets the students apply the concept of the three measures of central tendency in raw data. |
| **C. Presenting examples/ instances of the new lesson** | The teacher divides the class into groups with 3-4 members and distributes the activity sheets. The students follow the instructions given on the activity and it is good for 10 minutes.<br><br>Model the process of finding the mean, median, and mode of ungrouped data using the stacks of coins.<br><br>1.) Using the coins, double the 7 stacks given: 7 coins, 11 coins, 6 coins, 11 coins, 8 coins, 10 coins, and 17 coins. Each stack represents a number in a set of data.<br><br>2.) Arrange the stacks in order of the number of coins in each stack. Start with the stack containing the least number of coins and end with the stack containing the greatest number of coins. Record the number of coins in each stack.<br><br>3.) Locate the middle stack. How many coins are in the middle stack? The median is the middle number in an ordered data set. What is the median of this data set?<br><br>4.) Two of the stacks have the same number of coins. How many coins are in each of these stacks? The number that appears most often in a collection of data is called the mode. What is the mode of this set of data?<br><br>5.) There are seven stacks of coins. Rearrange the coins so that each of the seven stacks contains the same number of coins. Describe how you do this.<br><br>6.) When the coins are evenly distributed over the seven stacks, the number in each stack is called the mean. The mean is the most common definition of the word average. What is the mean of this data set? Describe how to find the mean using arithmetic.<br><br>**Possible Response**<br>1.) 14, 22, 12, 22, 16, 20, 34 |

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<tr><td></td><td>2.) 12, 14, 16, 20, 22,22,34<br>3.) 12, 14, 16, 20 22,22,34. Median is the “ middle” value in the list of data after listing it from smallest to largest.<br>4.) 22, mode is the value that occurs most often<br>5.) By adding all the stacks and divide it by 7, since, there were 7 stacks given.<br>6.) 20, by dividing the sum of the stacks given by 7</td></tr>
<tr><td>D. Discussing new concepts and practicing new skills #1</td><td>After 10 minutes, the teacher discusses with the students the process of arriving at the answers in Activity. The teacher emphasizes the three measures of central tendency mentioned in the activity which are the mean, median and mode.</td></tr>
<tr><td>E. Discussing new concepts and practicing new skills #2</td><td>The teacher presents the following:<br><br>Compute for the mean, median and mode.<br>1.) 24, 23, 21, 24,25, 24, 21<br>2.) 32, 30, 32, 33, 34, 32, 35,33<br><br>Answer Key:<br>1.) Mean = 23.14 Median= 24 Mode = 24<br>2.) Mean = 32.63 Median= 32.5 Mode = 32</td></tr>
<tr><td>F. Developing mastery (leads to formative assessment 3)</td><td>With the same group, the teacher lets the students answer the Exercise in 5 minutes.<br><br>A. Compute for the mean, median and mode of the following raw data. Round off decimal answers to the nearest hundredths. (2 points each: 1 point for the correct answer and 1 point for the solution).<br>1.) 80, 79, 81, 82, 74, 81, 81, 79, 85<br>2.) 19, 23, 20, 27, 26, 24, 20, 19, 18, 24<br>3.)
<table>
<tr><td>Student</td><td>Rhona</td><td>Lesly</td><td>Zeneth</td><td>Leah</td><td>Ann</td><td>Virna</td><td>Des</td><td>Mike</td></tr>
<tr><td>Weekly Saving</td><td>60</td><td>50</td><td>40</td><td>50</td><td>70</td><td>50</td><td>50</td><td>80</td></tr>
</table>
Answer Key:
<table>
<tr><td>NUMBER</td><td>MEAN</td><td>MEDIAN</td><td>MODE</td></tr>
<tr><td>1.)</td><td>80.22</td><td>81</td><td>81</td></tr>
<tr><td>2.)</td><td>22</td><td>21.5</td><td>19, 20, 24</td></tr>
<tr><td>3.)</td><td>56.25</td><td>50</td><td>50</td></tr>
</table></td></tr>
<tr><td>G. Finding practical applications of concepts and skills in daily living</td><td></td></tr>
<tr><td>H. Making generalizations and abstractions about the lesson</td><td>The teacher summarizes the mathematical skills by asking the following questions to the students. (3minutes)<br><br>1.) What have helped the group accomplish the task?<br>2.) What are the three measures of central tendency?<br>3.) How to find the mean, median and mode of ungrouped data?<br><br>Possible Response:</td></tr>
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<tr><td></td><td>1.) Cooperation or Teamwork within the group<br>2.) mean, median, mode<br>3.) To find the<br>MEAN: Add the given data and divide it by the number of data<br>MEDIAN: the data should be arranged in order from least to greatest. If there is an even number of items in the data set, then the it is found by taking the mean (average) of the two middlemost numbers.<br>MODE: Put the numbers in order, then count how many of each number that appears most often.</td></tr>
<tr><td>I. Evaluating Learning</td><td>The students answer the following by pair for 5 minutes.<br><br>A. Find the mean, median, and mode of the following raw scores. Round off decimal answers to the nearest hundredths (2 points each: 1 point for the correct answer and 1 point for the solution)<br><br>
<table>
<tr><th>RAW SCORES</th><th>MEAN</th><th>MEDIAN</th><th>MODE</th></tr>
<tr><td>1.) 49, 54, 54, 64, 59</td><td></td><td></td><td></td></tr>
<tr><td>2.) 24, 25, 24, 23, 27, 24, 30</td><td></td><td></td><td></td></tr>
</table>
<br>Answer Key:
<table>
<tr><td>NUMBER</td><td>MEAN</td><td>MEDIAN</td><td>MODE</td></tr>
<tr><td>1.)</td><td>56</td><td>54</td><td>54</td></tr>
<tr><td>2.)</td><td>24.29</td><td>24</td><td>24</td></tr>
</table></td></tr>
<tr><td>J. Additional activities or remediation</td><td>The ages of 20 guest at a party are 22, 23, 24, 32, 27, 28, 29, 27, 7, 20, 22, 81, 33, 27, 26, 24, 19, 20, 21, and 33. Find the typical age or the mode and the average.<br><br>(NOTE: Depending on the level of mastery of the students)</td></tr>
<tr><td>V. REMARKS</td><td></td></tr>
<tr><td>VI. REFLECTION</td><td>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.</td></tr>
<tr><td>A. No. of learners who earned 80% of the evaluation</td><td></td></tr>
<tr><td>B. No. of learners who require additional activities for remediation who scored below 80%</td><td></td></tr>
<tr><td>C. Did the remedial lesson work? No. of learners who have caught up with the lesson.</td><td></td></tr>
<tr><td>D. No. of learners who continue to require remediation</td><td></td></tr>
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| 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 | |

Prepared by:

Math Teacher