

8



# Lesson Exemplar for Mathematics

Quarter 4

Lesson

1

GOVERNMENT PROPERTY  
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## **Lesson Exemplar for Mathematics Grade 8**

### **Quarter 4: Lesson 1 (Week 1)**

**SY 2025-2026**

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## MATHEMATICS / QUARTER 4 / GRADE 8

### I. CURRICULUM CONTENT, STANDARDS, AND LESSON COMPETENCIES

|                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>A. Content Standards</b>                    | The learners demonstrate knowledge and understanding of measures of variability for ungrouped data.                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>B. Performance Standards</b>                | By the end of the quarter, the learners are able to calculate measures of variability for ungrouped data.                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>C. Learning Competencies and Objectives</b> | <p><b><i>Learning Competencies</i></b><br/>The learners calculate the measures of variability (range, mean deviation, variance and standard deviation) for ungrouped data.</p> <p><b><i>Learning Objectives</i></b><br/>By the end of the lesson, the learners are expected to:</p> <ol style="list-style-type: none"><li>1. calculate the range of ungrouped data;</li><li>2. calculate the mean deviation of ungrouped data; and</li><li>3. calculate the variance and standard deviation of ungrouped data.</li></ol> |
| <b>D. Content</b>                              | <b>Measures of Variability of Ungrouped Data</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>E. Integration</b>                          | None                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

### II. LEARNING RESOURCES

Admin. (2022, October 10). Variance and Standard Deviation-Definition, Formula, Relation and Example. BYJUS.  
<https://byjus.com/maths/variance-and-standard-deviation/>

Daniel Storage. (2019, June 18). Measures of variability (Range, standard deviation, variance) [Video]. YouTube.  
<https://www.youtube.com/watch?v=s7WTQ0H0Acc>

Prof D. (2021, May 16). Range, mean deviation, variance, and standard deviation for ungrouped data | Measures of Variation [Video]. YouTube. [https://www.youtube.com/watch?v=xUU\\_L7Ob054](https://www.youtube.com/watch?v=xUU_L7Ob054)

| III. TEACHING AND LEARNING PROCEDURE  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | NOTES TO TEACHERS                                                                                                                         |                    |      |                    |   |                    |    |      |   |                     |    |       |                                                                                                                                                                                                                                                                                                                                                                                            |
|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|--------------------|------|--------------------|---|--------------------|----|------|---|---------------------|----|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>A. Activating Prior Knowledge</b>  | <b>DAY 1</b><br><b>1. Short Review</b><br>Let the learners analyze and solve the problem below.<br><br><b>Activity 1: Do You Remember?</b><br>The scores of 9 students in a 100-item test are 67, 70, 49, 95, 40, 97, 62, 54, and 42. Calculate the mean, median and mode.<br><br><b>2. Feedback (Optional)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | This activity is intended to recall the measures of central tendency.<br><br><b>Answer Key:</b><br>mean = 64<br>median= 62<br>mode = none |                    |      |                    |   |                    |    |      |   |                     |    |       |                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>B. Establishing Lesson Purpose</b> | <b>1. Lesson Purpose</b><br>Let the learners analyze the situation below and answer the question that follows.<br><br><b>Activity 2: Which is Which?</b><br>A teacher randomly selected 5 students from Class A and another 5 students from Class B to take a 100-item examination. The results are as follows: <table><tr><th>Class</th><th>Scores</th><th>Mean</th><th>Standard Deviation</th></tr><tr><td>A</td><td>80, 85, 85, 90, 95</td><td>87</td><td>5.70</td></tr><tr><td>B</td><td>65, 80, 95, 95, 100</td><td>87</td><td>14.40</td></tr></table><br><b>Guide Questions:</b><br>1. What do you notice with the mean score of Class A and B?<br>2. What do you notice with the standard deviation of Class A and B?<br>3. If you were to decide which class performed better, who will it be and why?<br><br><b>2. Unlocking Content Vocabulary</b> <ul style="list-style-type: none"><li><b>Measures of Variability</b> or Measures of Dispersion refer to the spread of the values about the mean.</li><li><b>Range</b> is simply the difference of the highest value and the lowest value.</li><li><b>Mean Deviation</b> is a measure of variation that makes use of all the scores in a distribution. It is used to calculate the how close to the mean your values are.</li><li><b>Variance</b> is a measure of how data points vary from the mean.</li><li><b>Standard Deviation</b> is the average of how far the scores are from the mean.</li></ul> | Class                                                                                                                                     | Scores             | Mean | Standard Deviation | A | 80, 85, 85, 90, 95 | 87 | 5.70 | B | 65, 80, 95, 95, 100 | 87 | 14.40 | Activity 2 is intended to give the learners an idea of what measure of variability is particularly standard deviation.<br><br>You may also add other questions if necessary.<br><br><b>Answer Key:</b><br>1. They are the same.<br>2. The SD of Class A is lower than Class B.<br>3. Class A performed better since their scores are less disperse which was supported by the computed SD. |
| Class                                 | Scores                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Mean                                                                                                                                      | Standard Deviation |      |                    |   |                    |    |      |   |                     |    |       |                                                                                                                                                                                                                                                                                                                                                                                            |
| A                                     | 80, 85, 85, 90, 95                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 87                                                                                                                                        | 5.70               |      |                    |   |                    |    |      |   |                     |    |       |                                                                                                                                                                                                                                                                                                                                                                                            |
| B                                     | 65, 80, 95, 95, 100                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | 87                                                                                                                                        | 14.40              |      |                    |   |                    |    |      |   |                     |    |       |                                                                                                                                                                                                                                                                                                                                                                                            |

**C. Developing and Deepening Understanding**

**DAY 2-3**

**1. Explicitation**

- a. In computing the **range**, we use the formula

$$R = H - L$$

where:  $H$  = highest value  
 $L$  = lowest value

- b. In computing the **mean deviation**, we use the formula:

$$M.D = \frac{\sum |x - \bar{x}|}{N}$$

where:  $x$  = individual score  
 $\bar{x}$  = mean  
 $N$  = number of scores

- c. In computing the **variance**, we use the formula:

$$s^2 = \frac{\sum (x - \bar{x})^2}{N - 1}$$

where:  $x$  = individual score  
 $\bar{x}$  = mean  
 $N$  = number of scores

- d. In computing the **standard deviation**, we use the formula:

$$s = \sqrt{\frac{\sum (x - \bar{x})^2}{N - 1}}$$

where:  $x$  = individual score  
 $\bar{x}$  = mean  
 $N$  = number of scores

Note: Standard deviation is simply the square root of variance.

## 2. Worked Example

Example 1: From Activity 2, the scores of the randomly selected students in Class B are 65, 80, 95, 95, 100. Compute for the range.

Solution: The highest value from the given is 100 while the lowest value is 65, hence:

$$R = H - L$$

$$R = 100 - 65$$

$$R = 35$$

Thus, the range is **35**.

Example 2: From Activity 2, the scores of the randomly selected students in Class A are 80, 85, 85, 90, 95. Compute for the mean deviation.

Solution: First let's create a table and arrange the given scores

| $x$ | $x - \bar{x}$ | $ x - \bar{x} $ |
|-----|---------------|-----------------|
| 80  |               |                 |
| 85  |               |                 |
| 85  |               |                 |
| 90  |               |                 |
| 95  |               |                 |

To complete the needed data for the table, we need to first compute for the mean:

$$\bar{x} = \frac{80 + 85 + 85 + 90 + 95}{5} = 87$$

Then, to complete the column of  $x - \bar{x}$ , we will subtract each score by the mean. For the last column, we only need to get the absolute value of each number in the second column.

| $x$ | $x - \bar{x}$ | $ x - \bar{x} $ |
|-----|---------------|-----------------|
| 80  | -7            | 7               |
| 85  | -2            | 2               |
| 85  | -2            | 2               |
| 90  | 3             | 3               |
| 95  | 8             | 8               |

You may add more examples if needed.

After completing the table, next is to find the  $\sum|x - \bar{x}|$  or the sum of all the values in the last column.

| $x$ | $x - \bar{x}$ | $ x - \bar{x} $ |
|-----|---------------|-----------------|
| 80  | -7            | 7               |
| 85  | -2            | 2               |
| 85  | -2            | 2               |
| 90  | 3             | 3               |
| 95  | 8             | 8               |

$$\sum|x - \bar{x}| = 22$$

Now, we can use the formula for solving mean deviation,

$$\begin{aligned}
 M.D &= \frac{\sum|x - \bar{x}|}{N} \\
 &= \frac{22}{5} \\
 M.D. &= 4.4
 \end{aligned}$$

Thus, the mean deviation is **4.4**.

Example 3: Calculate the variance and standard deviation of the grades of 10 students in Mathematics 8: 90, 73, 78, 79, 83, 95, 77, 79, 74, 82.

Solution: First let's create a table and arrange the given scores

| $x$ | $x - \bar{x}$ | $(x - \bar{x})^2$ |
|-----|---------------|-------------------|
| 90  |               |                   |
| 73  |               |                   |
| 78  |               |                   |
| 79  |               |                   |
| 83  |               |                   |
| 95  |               |                   |
| 77  |               |                   |
| 79  |               |                   |
| 74  |               |                   |
| 82  |               |                   |

To complete the needed data for the table, we need to first compute for the mean:

$$\bar{x} = \frac{90 + 73 + 78 + 79 + 83 + 95 + 77 + 79 + 74 + 82}{10} = 81$$

Then, to complete the column of  $x - \bar{x}$ , we will subtract each score by the mean. For the last column, we only need to get the square of each number in the second column.

| $x$ | $x - \bar{x}$ | $(x - \bar{x})^2$ |
|-----|---------------|-------------------|
| 90  | 9             | 81                |
| 73  | -8            | 64                |
| 78  | -3            | 9                 |
| 79  | -2            | 4                 |
| 83  | 2             | 4                 |
| 95  | 14            | 196               |
| 77  | -4            | 16                |
| 79  | -2            | 4                 |
| 74  | -7            | 49                |
| 82  | 1             | 1                 |

After completing the table, next is to find the  $\sum(x - \bar{x})^2$  or the sum of all the values in the last column.

| $x$ | $x - \bar{x}$ | $(x - \bar{x})^2$ |
|-----|---------------|-------------------|
| 90  | 9             | 81                |
| 73  | -8            | 64                |
| 78  | -3            | 9                 |
| 79  | -2            | 4                 |
| 83  | 2             | 4                 |
| 95  | 14            | 196               |
| 77  | -4            | 16                |
| 79  | -2            | 4                 |
| 74  | -7            | 49                |
| 82  | 1             | 1                 |

$$\sum (x - \bar{x})^2 = 428$$



Now, we can use the formula for solving the variance,

$$\begin{aligned} S^2 &= \frac{\sum(x - \bar{x})^2}{N - 1} \\ S^2 &= \frac{428}{10 - 1} \\ &= \frac{428}{9} \\ S^2 &= 47.56 \end{aligned}$$

Remember that the standard deviation is the square root of the variance, so

$$\begin{aligned} S &= \sqrt{47.56} \\ S &= 6.90 \end{aligned}$$

Thus, the variance is **47.56** and the standard deviation is **6.90**.

### 3. Lesson Activity

#### Activity 3: Try This!

Instruction: Let the learners analyze and solve the problem.

1. The number of building permits issued by your municipality last month were 4, 7, 0, 11, 4, 1, 15, 3, 5, 8, and 7. Find the:
  - a. range
  - b. mean deviation
  - c. variance
  - d. standard deviation
2. The number of incorrect answers on a true-or-false test of your 15 classmates were recorded by your teachers as follows: 2, 1, 3, 0, 1, 3, 0, 0, 3, 3, 5, 2, 1, 4 and 2. Find the:
  - a. range
  - b. mean deviation
  - c. variance
  - d. standard deviation

Provide enough time for the learners to accomplish this activity.

You may adjust the indicated time in the worksheet for this activity if necessary.

#### Answer Key:

1.
  - a. 15
  - b. 3.36
  - c. 19.1
  - d. 4.37
2.
  - a. 2
  - b. 1.2
  - c. 2.29
  - d. 1.51

|                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                               |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>D. Making Generalizations</b> | <p><b>DAY 4</b><br/> <b>Learners' Takeaways and Reflection on Learning</b><br/> <b>Activity 4: Closing the Loop!</b><br/> Instruction: Let the learners answer the following questions.</p> <ol style="list-style-type: none"> <li>1. What are the key concepts of our lesson?</li> <li>2. Which part of the lesson is the easiest for you? Why?</li> <li>3. Which part of the lesson is the hardest for you? Why?</li> <li>4. How are we as a class today?</li> </ol> | <p>The activity is intended to determine what the learners have learned as well as to give feedback to their experiences during the lesson. Allot enough time to listen and process the responses of your learners. You may also add questions if needed.</p> |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

| IV. EVALUATING LEARNING: FORMATIVE ASSESSMENT AND TEACHER’S REFLECTION |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | NOTES TO TEACHERS |                      |                 |    |                 |    |               |    |                |    |                         |    |                               |    |                            |    |                          |    |                         |    |                |    |                                   |    |                       |    |                          |    |                           |    |                                                                                                                               |
|------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|----------------------|-----------------|----|-----------------|----|---------------|----|----------------|----|-------------------------|----|-------------------------------|----|----------------------------|----|--------------------------|----|-------------------------|----|----------------|----|-----------------------------------|----|-----------------------|----|--------------------------|----|---------------------------|----|-------------------------------------------------------------------------------------------------------------------------------|
| A. Evaluating Learning                                                 | <div>1. Formative Assessment</div> <div>Activity 5: Let’s Solve It!</div> <div>Instruction: Let the learners analyze and answer the question that follows.</div> <div>According to PAG-ASA, last April 30, 2023, the heat index recorded in their 14 monitoring stations are the following:</div> <table><thead><tr><th>Station</th><th>Heat Index (Celsius)</th></tr></thead><tbody><tr><td>Aparri, Cagayan</td><td>41</td></tr><tr><td>Baguio, Benguet</td><td>28</td></tr><tr><td>Baler, Aurora</td><td>42</td></tr><tr><td>Basco, Batanes</td><td>34</td></tr><tr><td>Borongan, Eastern Samar</td><td>38</td></tr><tr><td>Butuan City, Agusan Del Norte</td><td>41</td></tr><tr><td>Calapan, Orriental Mindoro</td><td>40</td></tr><tr><td>Catarman, Northern Samar</td><td>44</td></tr><tr><td>Clark Airport, Pampanga</td><td>43</td></tr><tr><td>Coron, Palawan</td><td>36</td></tr><tr><td>Cubi Pt., Subic Bay Olongapo City</td><td>41</td></tr><tr><td>Daet, Camarines Norte</td><td>40</td></tr><tr><td>Dagupan City, Pangasinan</td><td>44</td></tr><tr><td>Davao City, Davao Del Sur</td><td>41</td></tr></tbody></table> <div>Source: <a href="https://mindanews.com/top-stories/2023/05/davao-city-posts-highest-heat-index-in-mindanao-on-april-29-and-30/#gsc.tab=0">https://mindanews.com/top-stories/2023/05/davao-city-posts-highest-heat-index-in-mindanao-on-april-29-and-30/#gsc.tab=0</a></div> <div>Compute for the range, mean deviation, variance and standard deviation.</div> | Station           | Heat Index (Celsius) | Aparri, Cagayan | 41 | Baguio, Benguet | 28 | Baler, Aurora | 42 | Basco, Batanes | 34 | Borongan, Eastern Samar | 38 | Butuan City, Agusan Del Norte | 41 | Calapan, Orriental Mindoro | 40 | Catarman, Northern Samar | 44 | Clark Airport, Pampanga | 43 | Coron, Palawan | 36 | Cubi Pt., Subic Bay Olongapo City | 41 | Daet, Camarines Norte | 40 | Dagupan City, Pangasinan | 44 | Davao City, Davao Del Sur | 41 | <div>Answer Key:</div> <div>range= 16</div> <div>M.D.= 3.14</div> <div>variance = 18.89</div> <div>standard dev. = 4.35</div> |
| Station                                                                | Heat Index (Celsius)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                   |                      |                 |    |                 |    |               |    |                |    |                         |    |                               |    |                            |    |                          |    |                         |    |                |    |                                   |    |                       |    |                          |    |                           |    |                                                                                                                               |
| Aparri, Cagayan                                                        | 41                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                   |                      |                 |    |                 |    |               |    |                |    |                         |    |                               |    |                            |    |                          |    |                         |    |                |    |                                   |    |                       |    |                          |    |                           |    |                                                                                                                               |
| Baguio, Benguet                                                        | 28                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                   |                      |                 |    |                 |    |               |    |                |    |                         |    |                               |    |                            |    |                          |    |                         |    |                |    |                                   |    |                       |    |                          |    |                           |    |                                                                                                                               |
| Baler, Aurora                                                          | 42                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                   |                      |                 |    |                 |    |               |    |                |    |                         |    |                               |    |                            |    |                          |    |                         |    |                |    |                                   |    |                       |    |                          |    |                           |    |                                                                                                                               |
| Basco, Batanes                                                         | 34                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                   |                      |                 |    |                 |    |               |    |                |    |                         |    |                               |    |                            |    |                          |    |                         |    |                |    |                                   |    |                       |    |                          |    |                           |    |                                                                                                                               |
| Borongan, Eastern Samar                                                | 38                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                   |                      |                 |    |                 |    |               |    |                |    |                         |    |                               |    |                            |    |                          |    |                         |    |                |    |                                   |    |                       |    |                          |    |                           |    |                                                                                                                               |
| Butuan City, Agusan Del Norte                                          | 41                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                   |                      |                 |    |                 |    |               |    |                |    |                         |    |                               |    |                            |    |                          |    |                         |    |                |    |                                   |    |                       |    |                          |    |                           |    |                                                                                                                               |
| Calapan, Orriental Mindoro                                             | 40                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                   |                      |                 |    |                 |    |               |    |                |    |                         |    |                               |    |                            |    |                          |    |                         |    |                |    |                                   |    |                       |    |                          |    |                           |    |                                                                                                                               |
| Catarman, Northern Samar                                               | 44                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                   |                      |                 |    |                 |    |               |    |                |    |                         |    |                               |    |                            |    |                          |    |                         |    |                |    |                                   |    |                       |    |                          |    |                           |    |                                                                                                                               |
| Clark Airport, Pampanga                                                | 43                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                   |                      |                 |    |                 |    |               |    |                |    |                         |    |                               |    |                            |    |                          |    |                         |    |                |    |                                   |    |                       |    |                          |    |                           |    |                                                                                                                               |
| Coron, Palawan                                                         | 36                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                   |                      |                 |    |                 |    |               |    |                |    |                         |    |                               |    |                            |    |                          |    |                         |    |                |    |                                   |    |                       |    |                          |    |                           |    |                                                                                                                               |
| Cubi Pt., Subic Bay Olongapo City                                      | 41                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                   |                      |                 |    |                 |    |               |    |                |    |                         |    |                               |    |                            |    |                          |    |                         |    |                |    |                                   |    |                       |    |                          |    |                           |    |                                                                                                                               |
| Daet, Camarines Norte                                                  | 40                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                   |                      |                 |    |                 |    |               |    |                |    |                         |    |                               |    |                            |    |                          |    |                         |    |                |    |                                   |    |                       |    |                          |    |                           |    |                                                                                                                               |
| Dagupan City, Pangasinan                                               | 44                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                   |                      |                 |    |                 |    |               |    |                |    |                         |    |                               |    |                            |    |                          |    |                         |    |                |    |                                   |    |                       |    |                          |    |                           |    |                                                                                                                               |
| Davao City, Davao Del Sur                                              | 41                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                   |                      |                 |    |                 |    |               |    |                |    |                         |    |                               |    |                            |    |                          |    |                         |    |                |    |                                   |    |                       |    |                          |    |                           |    |                                                                                                                               |

|                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                            |                             |                                                                                                                                                                                                                                                                                                                              |
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|                                | <b>2. Homework (Optional)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                            |                             |                                                                                                                                                                                                                                                                                                                              |
| <b>B. Teacher's Remarks</b>    | <i>Note observations on any of the following areas:</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <b>Effective Practices</b> | <b>Problems Encountered</b> | <p>The teacher may take note of some observations related to the effective practices and problems encountered after utilizing the different strategies, materials used, learner engagement, and other related stuff.</p> <p>Teachers may also suggest ways to improve the different activities explored/lesson exemplar.</p> |
|                                | <b><i>strategies explored</i></b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                            |                             |                                                                                                                                                                                                                                                                                                                              |
|                                | <b><i>materials used</i></b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                            |                             |                                                                                                                                                                                                                                                                                                                              |
|                                | <b><i>learner engagement/ interaction</i></b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                            |                             |                                                                                                                                                                                                                                                                                                                              |
|                                | <b><i>others</i></b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                            |                             |                                                                                                                                                                                                                                                                                                                              |
| <b>C. Teacher's Reflection</b> | <p><i>Reflection guide or prompt can be on:</i></p> <ul style="list-style-type: none"> <li><i><u>principles behind the teaching</u></i><br/>What principles and beliefs informed my lesson?<br/>Why did I teach the lesson the way I did?</li> <li><i><u>students</u></i><br/>What roles did my students play in my lesson?<br/>What did my students learn? How did they learn?</li> <li><i><u>ways forward</u></i><br/>What could I have done differently?<br/>What can I explore in the next lesson?</li> </ul> |                            |                             | <p>Teacher's reflection in every lesson conducted/facilitated is essential and necessary to improve practice. You may also consider this as an input for the LAC/Collab sessions.</p>                                                                                                                                        |