

Learning Activity Sheet for Mathematics

Quarter 4

Lesson

2

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Learning Activity Sheet for Mathematics Grade 8
Quarter 4: Lesson 2 (Week 2)
SY 2025-2026

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LEARNING ACTIVITY SHEET

Learning Area:	Mathematics	Quarter:	4
Lesson No.:	2	Date:	
Lesson Title/ Topic:	Calculating Measures of Variability		
Name:		Grade & Section:	

I. Activity No. 1

II. Objective(s):

 The learners should be able to:

- calculate the range; and
- interpret what the range.

III. Materials Needed:

 Paper and Pen

IV. Instructions:

 Answer the following.

Scenario 1: Exam Scores of Students

- Class A Exam Scores: 65,70,75,80,85,90,95,100,105,110
- Class B Exam Scores: 85,86,87,88,89,90,91,92,93,94

- Calculate the range for Class A and Class B exam scores.
- Interpret what the range indicates about the variability in exam scores for each class.
- Discuss the strengths and weaknesses of using the range to measure variability.

Scenario 2: Prices of Different Products in a Store

- Store A Product Prices (in dollars): 5,10,15,20,25,30,35,40,45,50
- Store B Product Prices (in dollars): 22,23,24,25,26,27,28,29,30,31

- Calculate the range for Store A and Store B product prices.
- Interpret what the range indicates about the variability in product prices for each store.
- Discuss the strengths and weaknesses of using the range to measure variability.

LEARNING ACTIVITY SHEET

Learning Area:	Mathematics	Quarter:	4
Lesson No.:	2	Date:	
Lesson Title/ Topic:	Calculating Measures of Variability		
Name:		Grade & Section:	

I. Activity No. 2

II. Objective(s):

The learners should be able to:

- calculate the mean deviation; and
- interpret what the mean deviation.

III. Materials Needed:

Paper and Pen

IV. Instructions:

Answer the following:

Scenario 1: The managers of three stores, Store A, Store B, and Store C, want to understand the consistency of their monthly sales figures. The sales figures (in \$1000) for the past year are as follows:

- Store A Monthly Sales (in \$1000): 20,22,25,23,24,21,22,23,24,25,26,27
- Store B Monthly Sales (in \$1000): 30,31,33,32,30,29,28,31,32,33,34,35
- Store C Monthly Sales (in \$1000): 15,20,25,30,35,40,45,30,25,20,15,10

- Calculate the mean and mean deviation for Store A, Store B, and Store C's monthly sales.
- Interpret what the mean deviation reveals about the consistency of monthly sales for each store.
- Discuss the implications of these findings.

LEARNING ACTIVITY SHEET

Learning Area:	Mathematics	Quarter:	4
Lesson No.:	2	Date:	
Lesson Title/ Topic:	Calculating Measures of Variability		
Name:		Grade & Section:	

I. Activity No. 3

II. Objectives: The learners should be able to:

- calculate the standard deviation; and
- interpret what the standard deviation.

III. Materials Needed: Paper and Pen

IV. Instructions: Answer the following

Scenario 1: Daily Steps Recorded by Different Individuals Over a Week

- Individual A: 7000,7500,8000,8500,9000,9500,10000
- Individual B: 5000,5200,5400,5600,5800,6000,6200

- Calculate the mean and standard deviation for Individual A and Individual B's daily steps.
- Interpret what the standard deviation indicates about the variability in daily steps for each individual.
- Discuss the implications of these findings.

Scenario 2: Scores of two students from a Series of Quizzes

- Student A: 85,88,90,92,91,87,89
- Student B: 70,75,80,85,90,95,100

- Calculate the mean and standard deviation for Student A and Student B's quiz scores.
- Interpret what the standard deviation indicates about the variability in quiz scores for each student.
- Discuss the implications of these findings.