8

DepED
DEPARTMENT OF EDUCATION

Learning Activity Sheet for Mathematics

Quarter 4
Lesson
4

GOVERNMENT PROPERTY
NOT FOR SALE

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

This material is intended exclusively for the use of teachers participating in the pilot implementation of the MATATAG K to 10 Curriculum during the School Year 2024-2025. It aims to assist in delivering the curriculum content, standards, and lesson competencies. Any unauthorized reproduction, distribution, modification, or utilization of this material beyond the designated scope is strictly prohibited and may result in appropriate legal actions and disciplinary measures.

Borrowed content included in this material are owned by their respective copyright holders. Every effort has been made to locate and obtain permission to use these materials from their respective copyright owners. The publisher and development team do not represent nor claim ownership over them.

Development Team

Writer:
- Rener D. Daya (University of Mindanao)

Validator:
- PNU – RITQ Development Team

Management Team
Philippine Normal University
Research Institute for Teacher Quality
SiMERR National Research Centre

Every care has been taken to ensure the accuracy of the information provided in this material. For inquiries or feedback, please write or call the Office of the Director of the Bureau of Learning Resources via telephone numbers (02) 8634-1072 and 8631-6922 or by email at blr.od@deped.gov.ph.

LEARNING ACTIVITY SHEET

Learning Area:	Mathematics	**Quarter:**	4
Lesson No.:	4	**Date:**	
Lesson Title/ Topic:	Data Collection		
Name:		**Grade & Section:**	

I. **Activity No. 1:** Collect My Fav Sub (15 mins.)

II. **Objective(s):** At the end of this activity, the learner should be able to:

a. illustrate data collection; and

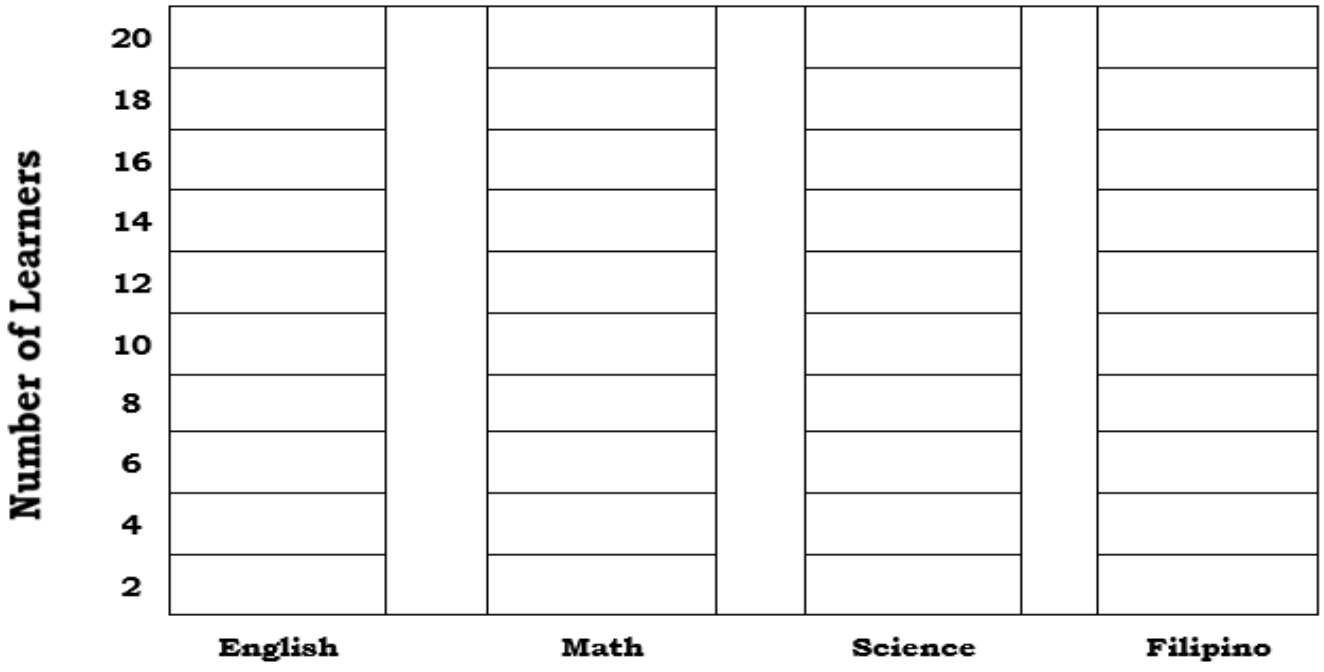
b. systematically collect data.

III. **Materials Needed:** pen, worksheets

IV. **Instructions:** Ask your classmates about their favorite subject from the list in the table below. Record their responses and shade the bars in each category to form a bar graph. Your teacher will ask follow-up questions after you complete the table.

Grade - 8 Favorite Subject

Subject	Number of Learners
English	
Math	
Science	
Filipino	



LEARNING ACTIVITY SHEET

Learning Area:	Mathematics	**Quarter:**	4
Lesson No.:	4	**Date:**	
Lesson Title/ Topic:	Graphical Representation of Secondary Data		
Name:		**Grade & Section:**	

I. **Activity No. 2:** Unlocking Vocabulary (5 mins.)

II. **Objective(s):** At the end of this activity, the learner should be able to illustrate the secondary data.

III. **Materials Needed:** pen, worksheets

IV. **Instructions:** Read and analyze below and write your observations inside the box.

Primary Sources	**Secondary Sources**
Share your ideas here!	**Share your ideas here!**

LEARNING ACTIVITY SHEET

Learning Area:	Mathematics	**Quarter:**	4
Lesson No.:	4	**Date:**	
Lesson Title/ Topic:	Graphical Representation of Secondary Data		
Name:		**Grade & Section:**	

I. Activity No. 3: Lesson Activity (20 mins.)

II. Objective(s): At the end of this activity, the learner should be able to:

a. illustrate the secondary data; and

b. correctly represent the secondary graphically.

III. Materials Needed: pen, worksheets

IV. Instructions: Answer the following.

1. The table below shows the distribution of dog breeds in one of the cities in the Philippines. Represent this data graphically.

Breed	Labrador	Pug	Japanese Spitz	German Shepherd	Beagle
Frequency	26	10	15	10	8

LEARNING ACTIVITY SHEET

Learning Area:	Mathematics	**Quarter:**	4
Lesson No.:	4	**Date:**	
Lesson Title/ Topic:	Analyzing and Interpreting Graphical Representation of Secondary Data		
Name:		**Grade & Section:**	

I. **Activity No. 4:** Lesson Activity (20 mins.)

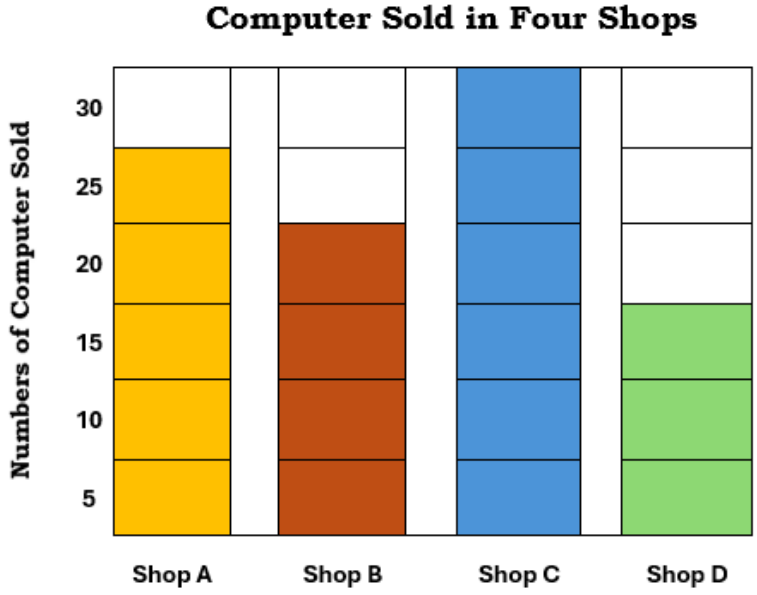
II. **Objective(s):** At the end of this activity, the learner should be able to:

a. illustrate the secondary data; and correctly analyze; and

b. interpret the graphical representation of the secondary data.

III. **Materials Needed:** pen, worksheets

IV. **Instructions:** Read and analyze the bar graph below. Answer the following questions.



a. How many computers were sold in shop B and C?

_____

b. Which shops together sold exactly 40 computers?

_____

c. Which shop sold the highest number of computers?

_____

d. Write an overall interpretation of the data presented in the bar graph.

_____

_____

_____

_____

LEARNING ACTIVITY SHEET

Learning Area:	Mathematics	**Quarter:**	4
Lesson No.:	4	**Date:**	
Lesson Title/ Topic:	Graphical Representation of Secondary Data Analyzing and Interpreting Graphical Representation of Secondary Data		
Name:		**Grade & Section:**	

I. Activity No. 5: Formative Assessment (25 mins.)

II. Objective(s): At the end of this activity, the learner should be able to:

a. illustrate the secondary data;

b. correctly represent the secondary data graphically;

c. and correctly analyze and interpret the graphical representation of a secondary data.

III. Materials Needed: pen, worksheets

IV. Instructions: Analyze the given situations below. Answer the following.

1. The table below shows the mango sales from June to December. Represent the data graphically and write a short interpretation of the graph.

Month	**Jun**	**Jul**	**Aug**	**Sept**	**Oct**	**Nov**	**Dec**
Sales (kg)	11	12	15	16	10	21	10

Graph:

Interpretation:

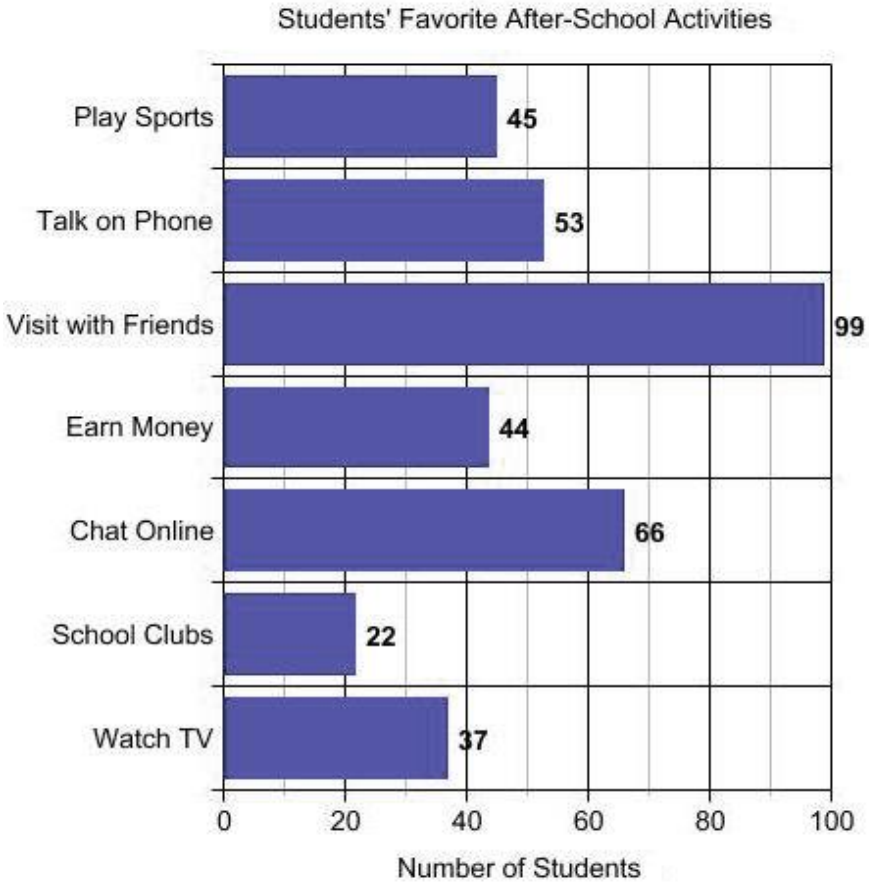
2. A store of fruit juice recorded the number of glasses sold in a day. Represent the data graphically and write a short interpretation out of a graphical presentation.

Fruit Juice	Mango	Orange	Apple	Grape
Number of Glasses	20	15	13	18

Graph:

Interpretation:

3. The graphical representation below reflects the data of students' activities after school. Answer the following questions and write a short overall interpretation.



a. What is the title of this bar graph? Answer: _____

b. How many categories are in the graph? Answer: _____

c. Which after-school activity do students like most? Answer: _____

d. Which after-school activity do students like least? Answer: _____

e. Which two activities are liked almost equally? Answer: _____

f. Write an overall interpretation of the graph.

_____

_____

_____

_____

_____

LEARNING ACTIVITY SHEET

Learning Area:	Mathematics	**Quarter:**	4
Lesson No.:	4	**Date:**	
Lesson Title/ Topic:	Analyzing and Interpreting Graphical Representation of Secondary Data		
Name:		**Grade & Section:**	

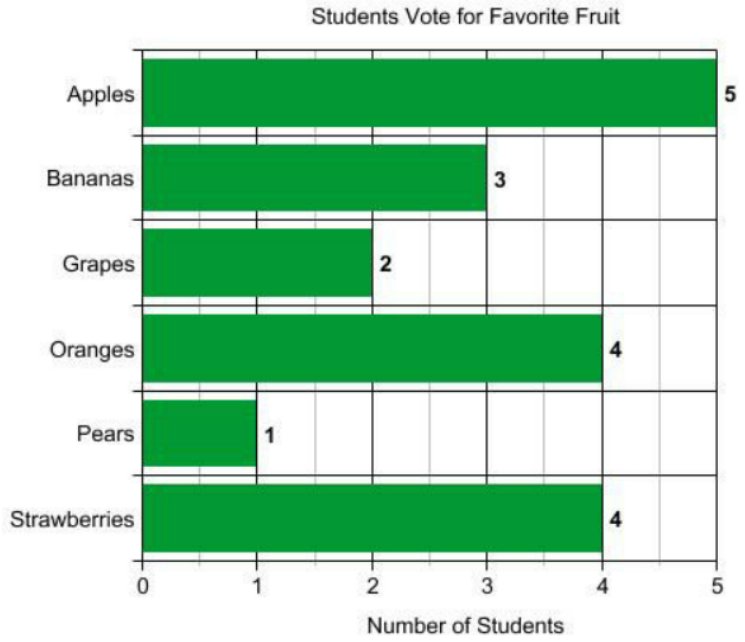
I. **Activity No. 6:** Homework

II. **Objective(s):** At the end of this activity, the learner should be able to correctly analyze and interpret the graphical representation of a secondary data.

III. **Materials Needed:** pen, worksheet

IV. **Instructions:** Analyze the situation and the graph below. Answer the following questions.

Students in a class voted on their favorite fruit. Each student voted once. The bar graph below summarizes the data collected from the class vote.



a. How many categories are in the graph? Answer: _____

b. Which fruit had the most votes? Answer: _____

c. Which fruit had the least votes? Answer: _____

d. List the categories in the graph from least to greatest. Answer: _____

e. Write a short overall interpretation of the graph.

_____

_____

_____