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# Learning Activity Sheet for Mathematics

Quarter 4

Lesson

**3**

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**Learning Activity Sheet for Mathematics Grade 8**  
**Quarter 4: Lesson 3 (Week 3)**  
**SY 2025-2026**

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## LEARNING ACTIVITY SHEET

<b>Learning Area:</b>	Mathematics	<b>Quarter:</b>	4
<b>Lesson No.:</b>	3	<b>Date:</b>	
<b>Lesson Title/ Topic:</b>	Interpretation and Analysis of Primary Data		
<b>Name:</b>		<b>Grade &amp; Section:</b>	

- I. Activity No. 1:** Graphing Greenhouse
- II. Objective(s):** Graph Primary Data
- III. Materials Needed:** pen and paper
- IV. Instructions:** Sketch and label different graphs (bar, line, pie, and pictograph) that could represent this data. Each data point represents the number of minutes of sunlight a particular houseplant receives daily.

Houseplant Sunlight Minutes (per day) from an observation of an environmental researcher.

Snake Plant	180
Spider Plant	120
Philodendron	220
Peace Lily	60

Challenge: For each graph you sketched, explain why it appropriately represents the plant sunlight data.

**V. Synthesis/Extended Practice/Differentiation:**

Discuss with a partner: Which graph (bar, line, or pie) do you think is the most effective way to represent the plant sunlight data? Why?

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<b>Lesson No.:</b>	3	<b>Date:</b>	
<b>Lesson Title/ Topic:</b>	Interpretation and Analysis of Primary Data		
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- I. Activity No. 2:** Graphing our World!
- II. Objective(s):** Graph Primary Data
- III. Materials Needed:** pen and paper
- IV. Instructions:**

### Part 1: Pick Your Topic!

Circle one topic you'd like to investigate:

Favorite after-school activity

Preferred music genre

Number of siblings

How you get to school (bike, bus, walk, etc.)

Free time fun (reading, sports, games, etc.) OR

Write your own idea (teacher approval needed): \_\_\_\_\_

### Part 2: Data Mission!

Ask your classmates what they picked for your chosen topic (whisper quietly!).

Tally their answers in the chart below.

Example (for "Favorite after-school activity"):

Activity	Tally
Sports	
Music	
Clubs	
Other	

### Part 3: Graph Time!

Look at your tallies. Which graph type would show this best?

Circle one: (Bar Graph Line Graph Pie Chart ☒)

On a separate sheet (or use the back!), create your graph based on your tallies. Label the axes (what's on each line) and add a title that explains your graph.

**Part 4: Cracking the Code!**

Look at your graph. What cool stuff can you see? Write down your findings:

1. What sticks out the most?
2. Are there any patterns or surprises?
3. Did the results match what you thought?
4. Write a short sentence or two summarizing what your graph reveals about your topic.

**V. Synthesis/Extended Practice/Differentiation:**

Show your graph to a friend! Explain what you found and see what they think. Maybe their graph has some clues too!