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DepED
DEPARTMENT OF EDUCATION

Learning Activity Sheet for Mathematics

Quarter 3

Lesson

3

Worksheet for Mathematics Grade 7
Quarter 3: Lesson 3 (Week 3)
SY 2024-2025

Development Team

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LEARNING ACTIVITY SHEET

Learning Area:	Mathematics	**Quarter:**	3
Lesson No.:	3	**Date:**	
Lesson Title/ Topic:	Frequency Distribution		
Name:		**Grade & Section:**	

I. Pre-Lesson Activity: Short Review (15 mins.)

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

III. Materials Needed: pen and worksheets

IV. Instructions: Below are the results of the 50-item test of Grade 7 class in English. Construct a frequency distribution.

38, 45, 48, 13, 35, 46, 21, 18, 19, 32, 33, 31, 33, 19, 30
33, 39, 46, 48, 47, 18, 24, 44, 48, 37, 32, 21, 24, 25, 28

V. Synthesis/Extended Practice/Differentiation (if needed):

1. How did you find the activity?

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2. Can you share and describe your experience?

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LEARNING ACTIVITY SHEET

Learning Area:	Mathematics	**Quarter:**	3
Lesson No.:	3	**Date:**	
Lesson Title/ Topic:	Bar Graph		
Name:		**Grade & Section:**	

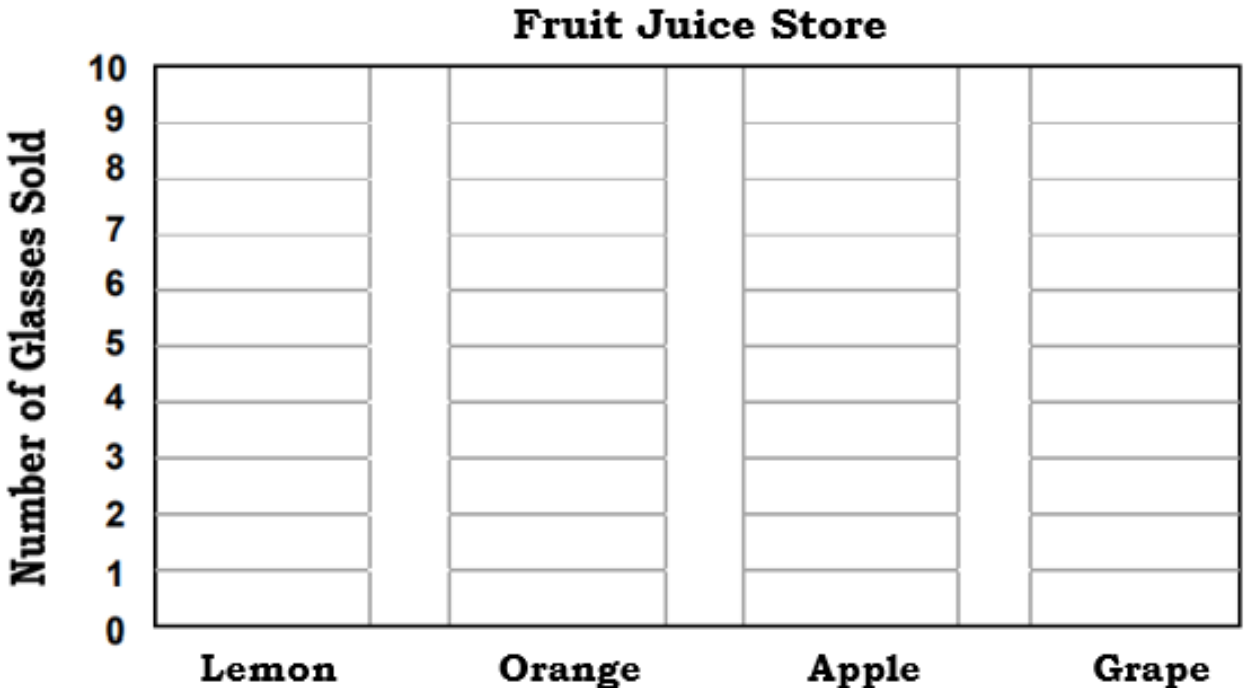
I. **Activity No. 1:** Lesson Activity (20 mins.)

II. **Objective(s):** At the end of this activity the learner should be able to construct a bar graph to represent data.

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

IV. **Instructions:** A store of fruit juice recorded the number of glasses sold in a day. Create a bar graph and answer the following questions.

Fruit Juice	Lemon	Orange	Apple	Grape
Number of Glasses	 7	 8	 9	 10



Questions:

a. What juice sold the most?

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b. What juice sold the least?

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c. How many glasses of apple juice were sold?

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d. How many more glasses of grape juice were sold than lemon juice?

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e. How many glasses of orange and apple juice together were sold?

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f. How many glasses were sold in all?

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V. Synthesis/Extended Practice/Differentiation (if needed):

1. How did you find the activity? Share your experience.

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LEARNING ACTIVITY SHEET

Learning Area:	Mathematics	**Quarter:**	3
Lesson No.:	3	**Date:**	
Lesson Title/ Topic:	Line Graph		
Name:		**Grade & Section:**	

I. Activity No. 2: Individual/Group Task (15 mins.)

II. Objective(s): At the end of this activity, the learner should be able to properly construct a line graph based on the data given.

III. Materials Needed: pen, worksheets, ruler.

IV. Instructions: Create a line graph out the data below.

Month	August	September	October	November	December	January
Attendance	31	28	33	35	25	29

V. Synthesis/Extended Practice/Differentiation (if needed):

1. How did you find the activity? Share your experience.

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LEARNING ACTIVITY SHEET

Learning Area:	Mathematics 7	**Quarter:**	3
Lesson No.:	3	**Date:**	
Lesson Title/ Topic:	Stem and Leaf Plot		
Name:		**Grade & Section:**	

I. Activity No. 3: Individual/Group Task (15 mins.)

II. Objective(s): At the end of this activity, the learner should be able to properly construct a stem and leaf plot based on the data given.

III. Materials Needed: pen and worksheets

IV. Instructions: Answer the following.

Bong got his friends to do a long jump and got the following results:

2.5, 2.6, 2.6, 2.7, 2.8 3.1, 3.5, 3.6, 4.3, 5.1

a. Create a stem and leaf plot.

b. Explain the distribution of the stem and leaf plot.

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V. Synthesis/Extended Practice/Differentiation (if needed):

1. How did you find the activity? Share your experience.

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LEARNING ACTIVITY SHEET

Learning Area:	Mathematics	**Quarter:**	3
Lesson No.:	3	**Date:**	
Lesson Title/ Topic:	Interpretation of Statistical Graphs		
Name:		**Grade & Section:**	

I. Activity No. 4: Individual/Group Task (20 mins.)

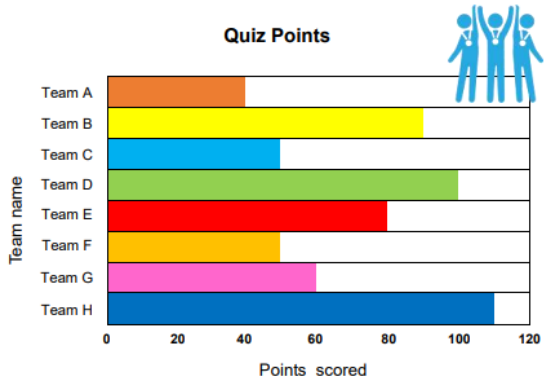
II. Objective(s): At the end of this activity, the learner should be able to:

1. Correctly represent the data graphically.
2. Correctly interpret statistical graphs.

III. Materials Needed: pen and worksheets

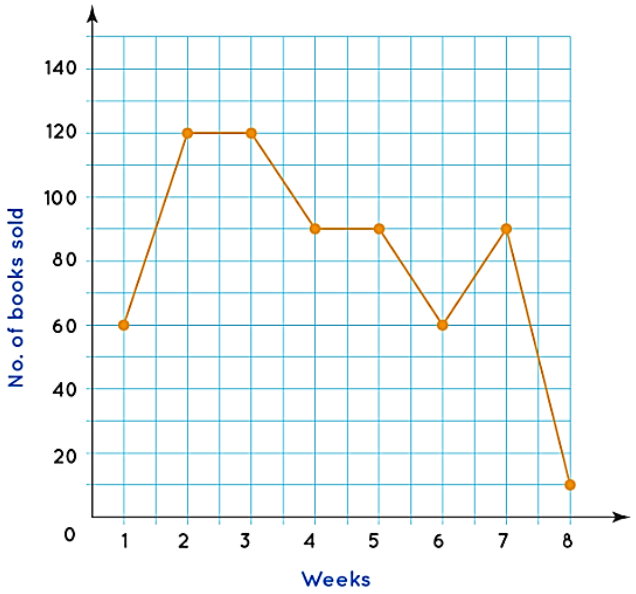
IV. Instructions: Answer the activity below as indicated.

1. Eight teams joined a quiz competition. Their final scores are shown below. Study the graph, answer the questions, and write a short interpretation.



Question	Answer
a. Which team won the contest?	
b. How many points did Team F score?	
c. How many more points did Team D get than Team G?	
d. Which teams scored equally?	
e. What is the difference in the amount of points Team E scored and the amount Team H scored?	
f. How many teams scored fewer than 100 points?	
g. What are the average points of the top 3 highest teams?	
Interpretation:	

2. A bookstore made a line graph of the number of books it sold each week during a certain period. Based on the information provided in the above line graph, find how many fewer books were sold in week 8 than in week 7. Answer the questions below and write a short interpretation of the graph.



Questions	Answer
a. Which week has the lowest number of books sold?	
b. What is the highest number of books sold?	
c. Which weeks have the same number of books sold?	
Interpretation:	

V. Synthesis/Extended Practice/Differentiation (if needed):

1. How did you find the activity? Share your experience.

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LEARNING ACTIVITY SHEET

Learning Area:	Mathematics	**Quarter:**	3
Lesson No.:	3	**Date:**	
Lesson Title/ Topic:	Interpretation of Statistical Graphs		
Name:		**Grade & Section:**	

I. Post-lesson Activity: Formative Assessment (35 mins.)

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

1. Correctly represent the data graphically.
2. Correctly interpret statistical graphs.

III. Materials Needed: pen, worksheets, and rulers

IV. Instructions: Answer the activity below as indicated.

1. Bayani's boss wanted to know if the sales of their fruits were in a month. The data is presented below. Help Bayani to present the fruit sales easily to his boss.

Fruit Sales	Mango	Orange	Grapes	Guava	Apple
(kg)	12	14	16	10	18

a. Construct a bar graph based on the data above.

b. Write a short interpretation of the data based on the constructed bar graph.

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2. The data below describes the progress of the reading ability (rating of 1-10) of the Grade 2 students at an elementary school from June to December.

Month	Level of Reading Ability
June	2
July	3
August	4
September	6
October	8
December	10

a. Construct a line graph based on the data.

b. Write a short interpretation of the data based on the constructed line graph.

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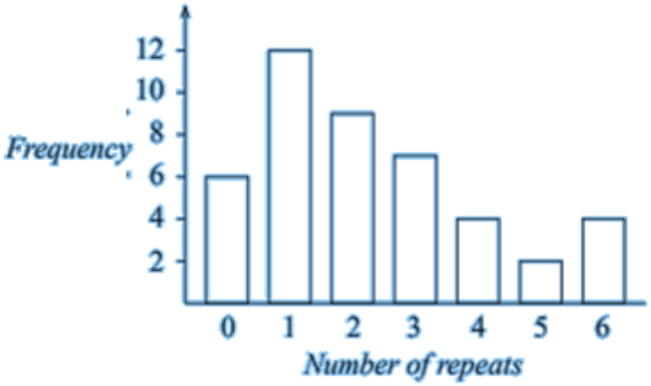
3. Gina has been collecting anime cards. Sometimes, when she bought a new packet, she found cards that she had already collected. She created a table to show the number of repeated cards in the packs she opened.



Questions	Answer
a. How many times has a card been repeated twice in the opened packs?	
b. How many times are there no repeated cards?	
c. What is the number of repeats with the same frequency?	
d. What is the least number of times that a card has been repeated?	
Interpretation:	