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DepED
DEPARTMENT OF EDUCATION

Learning Activity Sheet for Mathematics

Quarter 3

Lesson

2

Worksheet for Mathematics Grade 7
Quarter 3: Lesson 2 (Week 2)
SY 2024-2025

Development Team

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LEARNING ACTIVITY SHEET

Learning Area:	Mathematics	**Quarter:**	3
Lesson No.:	2	**Date:**	
Lesson Title/ Topic:	Frequency Distribution Table		
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:

a. Determine category and frequency,
b. Compute for the relative frequency, and
c. Compute for the percentage of each category in the frequency distribution table.

III. Materials Needed: pen and calculator

IV. Instructions:

A. Complete the frequency distribution table below. Show your complete solution.

Category	Frequency	Relative Frequency	Percentage
Male	45		
Female	37		
Total	**82**		

1. Compute the relative frequency.

Solution.

2. Compute the percentage.

Solution.

B. Read and analyze the following word problems, then answer the questions that follow. Be guided by the rubric below.

Criteria	Points	Accumulated Points
Accuracy of Solution	7	
Proper use of statistical data and symbols	3	
Total	10	

1. Dona conducted a survey about the preferred Student Government presidents of Grade 7 Students from a school. Among the 140 respondents, 15% preferred Lloyd, 20% for Emily, 15% for Anne, 15% for Patricia, 30% for Emmanuel, and the rest for Keith. Help Dona create a frequency distribution table.

Solution.

2. In a survey for the Outstanding Faculty of the Year, 60 students voted for Ms. Luz, 25 students voted for Mr. Henry, and 35 students voted for Ms. Lina.
   a. What is the total number of students who participated in the survey?
   b. What is the percentage of students who voted for:
      i. Ms. Luz
      ii. Mr. Henry, and
      iii. Ms. Lina?

Solution.

c. Create a frequency distribution table.

Solution.

3. The Supreme Student Government (SSG) surveyed those students who wanted to join the Senior High School Promenade in February. They gathered the following data: 40 will attend, 25 will not attend, and the rest are still undecided.
   a. If there are 135 Senior High School Students, how many are still undecided?

Solution.

   b. What is the percentage of students who will:
      i. attend?
      ii. will not attend?
      iii. not decided?

Solution.

   c. Create a frequency distribution table for the problem.

Solution.

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

1. How did you solve the percentage of each category in the distribution?

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

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LEARNING ACTIVITY SHEET

Learning Area:	Mathematics	**Quarter:**	3
Lesson No.:	2	**Date:**	
Lesson Title/ Topic:	Graphical Representation of Data		
Name:		**Grade & Section:**	

I. Activity No. 2: Lesson Activity (20 mins.)

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

1. Correctly use different graphs to represent data for their specific purposes,
2. Properly create a graph based on the given data.

III. Materials Needed: pen, ruler, and calculator

IV. Instructions: Perform the following activities following the steps from the examples. Be guided by the rubric below.

Criteria	Points	Accumulated Points
Accuracy of solution	7	
Correct distribution of data in percent	5	
Proper use of symbol	2	
Correct interpretation and final answer	6	
Total	20	

A survey was conducted on 50 grade 7 learners to determine what is their favorite fruit. The result was gathered and organized using a Frequency Distribution Table, as shown below. Complete the table and create a pie graph out of it.

Grade 7 Favorite Fruits					
Mango	Guava	Apple	Banana	Grape	Total
15	14	6	6	9	

LEARNING ACTIVITY SHEET

Learning Area:	Mathematics	**Quarter:**	3
Lesson No.:	2	**Date:**	
Lesson Title/ Topic:	Graphical Representation of Data		
Name:		**Grade & Section:**	

I. Activity No. 3: Formative Assessment (30 mins.)

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

a. Construct a frequency distribution table.
b. Correctly use different graphs to represent data for their specific purposes,
c. Properly create a graph based on the given data.

III. Materials Needed: pen, ruler, protractor, and calculator

IV. Instructions:

1. Complete the frequency distribution table below:

Category	Frequency	Relative Frequency	Percentage
Male	26		
Female	31		
Total	57		

2. Fifty Grade 7 learners were asked about their favorite destination in the Philippines every summer vacation. The table shows the result. Construct a pie graph out of the given data and explain each part of the graph based on the distribution of the data. Use a separate sheet of paper.

Destination	Number of Students
El Nido	8
Boracay	5
Baguio	14
Bohol	11
Cebu	12