

Mathematics

Quarter 4 – Module 75:

Collecting Data in One Variable



Mathematics – Grade 3

Alternative Delivery Mode

Quarter 4 – Module 75: Collecting Data on One Variable

First Edition, 2019

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Collecting data on One Variable

This instructional material was collaboratively developed and reviewed by educators from public and private schools, colleges, and or/universities. We encourage teachers and other education stakeholders to email their feedback, comments, and recommendations to the Department of Education at action@deped.gov.ph.

We value your feedback and recommendations.

Introductory Message

For the facilitator:

This gives an instruction to the facilitator to orient the learners and support the parents, elder sibling etc. of the learners on how to use the module. Furthermore, this also instructs the facilitator to remind the learners to use separate sheets in answering the pre-test, self-check exercises, and post-test.

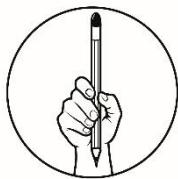
For the learner:

This communicates directly to the learners and hence, must be interactive. This contains instructions on how to use the module. The structure and the procedure of working through the module are explained here. This also gives an overview of the content of the module. If standard symbols are used to represent some parts of the module such as the objectives, input, practice task and the like they are defined and explained in this portion.



What I Need to Know

1. This module is designed and written to help you know how to collect data using the existing records.



What I Know

The learners collected different kinds of flowers. The grade 1 learners collected 72 flowers, the grade 2 learners collected 48 flowers, the grade 3 learners collected 102 flowers, the grade 4 learners collected 81 flowers, the grade 5 learners collected 59 flowers & the grade 6 learners collected 202 flowers. Fill in the table with the correct data. Then answer the questions below.

GRADE	NO. OF FLOWERS COLLECTED

- 1) How many flowers were collected by the grade 1 and grade 2 learners?
- 2) How many flowers were collected by the grade 3 and grade 4 learners?
- 3) How many flowers were collected by the grade 5 and grade 6 learners?
- 4) How many flowers were collected in all?
- 5) Who collected the least?
- 6) Who collected the most numbers of flowers?

Lesson

Collect data on one variable using existing records.

This lesson is helpful because this will give you knowledge on how to gather or collect data.

The only thing that you are going to give more time in this lesson is the conduct of the survey so that you will be able to complete the data given or required.



What's In

Ben, Rey, and Dina are friends. They all love to collect different kinds of stamps. Ben has 285 stamps, Rey has 300 and Dina has 700. Fill in the table with the correct data. Answer the questions given below.

NAME	NO. OF STAMPS COLLECTED
TOTAL:	

- 1) Who collected the most number of stamps?
- 2) Who collected the least?
- 3) How many stamps were collected by Ben, Rey, and Dina?



What's New

Activity no. 1

Mr. Bryan administered a final examination in his science class. Below is the result of the final examination.

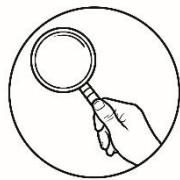
SCORES IN FINAL EXAMINATION IN SCIENCE

Table 1

35	25	28	24	26
26	24	35	24	35
24	25	28	26	28
28	30	30	38	25

a) Look at the scores in the box and answer the question below.

- 1) How many pupils got a score of 25? 24?
- 2) What do numbers inside the box represents?
- 3) What is the information about?



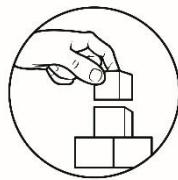
What is It

Guide to organize the given situation

- Know, what the information is all about.
- Record the highest score, the next score, and the lowest score.
- Then, write and arrange the scores from the highest to lowest as shown in the table below.

SCORES IN FINAL EXAMINATION IN SCIENCE

SCORE	TALLY	TOTAL
35		3
30		2
28		4
26		3
25		3
24		4
TOTAL:		20



What's More

Activity 2

Conduct a survey around your neighborhood about what food they prefer to eat as their merienda. Fill in the table below.

FAVORITE FOOD DURING RECESS TIME

FOOD	TALLY	TOTAL
Banana cue		
Pansit		
Bread		
Turon		
Bintig(Saging)		
TOTAL:		

- 1) How many people prefer to eat bintig na saging?
- 2) How many people prefer to eat Pansit?
- 3) What is the most preferred food?
- 4) What is the least preferred food?

ACTIVITY NO. 3

Conduct a survey around your neighborhood on what sports they love to play. Fill in the table below.

KINDS OF SPORTS	TALLY	TOTAL
Basketball		
Running		
Boxing		
Karate		
Billiard		
TOTAL:		

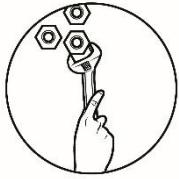
Answer the following questions:

- 1) How many love to play basketball?
- 2) What is the total number of those who love boxing & karate?
- 3) What sports they loved the most?
- 4) Which sports they loved the least?



What I Have Learned

- How do we organize the information given?
-We organize the information or data by using the table.
- Why is there a need to organize the information in the table?
-So that it will be easier to see, analyze & interpret data.



What I Can Do

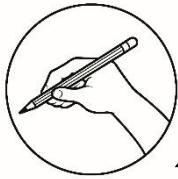
ACTIVITY NO. 4

Conduct a survey among your friends about their favorite subject from the list given. Record their answers in the table. Then answer the questions that follow.

SUBJECT	TALLY	TOTAL
English		
Math		
Science		
Filipino		
TOTAL:		

Answer the following questions:

- 1) How many of your friends favored English subject?
- 2) What is the most favored subject?
- 3) What is the least favored subject?



Assessment

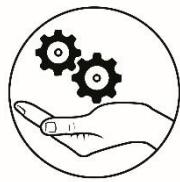
Directions: Make a survey about the favorite food of your family members. Record their answers in the table given. Then answer the questions below.

FAVORITE FOOD OF YOUR FAMILY MEMBERS

FOOD	TALLY	TOTAL
Kinilaw na isda		
Inihaw na isda		
Sinabaw na manok		
Adobo		

Answer the following questions:

- 1) How many members of your family wanted adobo?
- 2) What is the most favorite food of your family?
- 3) What is the two least favorite food of the family?
- 4) Give the total number of those who love kinilaw na isda and inihaw na isda.



Additional Activities

ACTIVITY NO. 5

Conduct a survey about the favorite color of your friends.
Record their answers in the table given.

COLOR	TALLY	TOTAL
Black		
Green		
Orange		
Yellow		

Answer the following questions:

- 1) Which is the least favored color?
- 2) Which is the most favored color?
- 3) How many favored green?
- 4) How many favored yellow?

Answer Key

WHAT I CAN DO	WHAT I KNOW	WHAT IS NEW	(Act. 4)	ASSESSMENT	ADDITIONAL ACTIVITY	WHAT'S IN	Answers Vary												
							1. Dina	2. Ben	3. 1, 285										

References

*TG= Page 386- 391
in Grade 3 Math*

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