

# Mathematics in Our

1

Prepared By: Mr. John Carlo de Juan, LPT

*If I were again beginning my studies, I would follow the advice of Plato and start with MATHEMATICS*

— Galileo Galilei



## Learning Objectives

At the end of the lesson, the students must be able to:

- articulate the importance of mathematics in one's life;
- identify patterns in nature and regularities in the world; and
- express appreciation of mathematics as a human endeavor.



## Check your knowledge!

Pre-test. Identify what is being referred by the statements. Encircle the letter that corresponds to your answer. Note: Do not look yet on the content of the module. Answer this using your background knowledge. "Honesty is the best policy"

- It is a field of study that is concerned with understanding numbers, patterns and shapes and the relationship between them.
  - Arithmetic
  - Science
  - Mathematics
  - Algebra
- He is famously known for his work on the sequence: 0, 1, 1, 2, 3, 5, ...
  - Pythagoras
  - Archimedes
  - Thales
  - Fibonacci
- A law of motion which states that an object at rest will remain at rest unless an outside force is acted upon the object.
  - Law of Gravity
  - Law of Inertia
  - Law of Acceleration
  - Law of Interaction
- Which of the following demonstrates an application of mathematics?
  - budgeting of allowance
  - tracking the rate of covid-positive patients
  - formulating medicine
  - All of the above
- What is mathematics often referred to?
  - queen of all the sciences
  - the science quantifier
  - lowest form of science
  - science of numbers

## Evaluation:

If you got a score of

- 5 — : Excellent! You pretty much remember your lessons during your high school days.
- 4 — 3: Good job! You still remember some of your lessons.
- 2 — 1: Nice try! Some review may improve your score.

(Answer Key is provided in the last page of this module. Answer this first before checking. HONESTY IS THE BEST POLICY. O)

Mathematics is a branch of knowledge that deals with the study of the properties and relationships among numbers, quantities and shapes. It includes arithmetic, algebra, trigonometry, geometry, statistics and calculus. Mathematics nurtures human characteristics like power of creativity, reasoning, critical thinking, spatial thinking and others. It provides the opportunity to solve both simple and complex problems.

# Mathematics In Our World 1

**Caren L. Diefenderfer, Roger B. Nelsen**



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