LEARNING AS ONE NATION

Expanded Project

L E A R N I N G A C T I V I T Y

Math 10_1

Name: _____ **Grade/Score:** _____

Year and Section: _____ **Date:** _____

Subject *(Check or choose from below.)*_____

- ☐ Religion/Values Education
- ☐ Natural Sciences
- ☐ Araling Panlipunan
- ☐ Filipino
- ☐ English
- ☐ Math
- ☐ TLE / ICT
- ☐ MAPEH

Type of Activity *(Check or choose from below.)*_____

- ☐ Concept Notes
- ☐ Skills: Exercise / Drill
- ☐ Laboratory Report
- ☐ Illustration
- ☐ Formal Theme
- ☐ Informal Theme
- ☐ Others: _____

Activity Title: Patterns in Mathematics

Learning Target: To recognize and determine patterns in a set of numbers and algebraic expressions.

References: *(Author, Title, Pages)* M.V. Bernido, CVIF Learning Activities

In science and mathematics, many problems are solved when one recognizes or identifies patterns in the distribution of a set of numbers. A pattern is some regularity or repetition in the arrangement or sequence of figures, numbers or algebraic expressions.

Example:

1 2 3 1 2 3 1 2 3 (The pattern is taking the first three counting numbers repeatedly.)

2 4 6 8 10 (Two is added to each number to generate the list or sequence of numbers.)

Exercises:

Identify the pattern.

a) ab cd ef gh ij _____

b) 2 5 8 11 14 _____

c) 25 20 15 10 5 _____

d) 2 -4 8 -16 _____

e) x^3y x^4y^2 x^5y^3 _____