

Algebra

Goal: The learner will demonstrate an understanding of simple algebraic expressions.

Objective:

5.04 Use graphs, tables, and symbols to model and solve problems involving rates of change and ratios.

To achieve this objective, students should:

- Extend patterns and sequences from a diagram or pictorial representation.

Note: *Pattern should not be extended beyond 5 iterations, once the pattern has been established.*

- Identify nonnegative numerical patterns and sequences in various forms using written descriptions.
- Explore rates of change in contextual situations and describe these rates of change algebraically and verbally using data from tables and graphs.
- Analyze the relationship between variables on a graph.
- Make a graph that shows the relationship between two variables by identifying the two variables, choosing an axis for each, and selecting an appropriate scale for each axis.
- Read data given in a table and make a graph from the table.
- Read data given in a graph and make a table from the graph.
- Recognize and write ratios to describe different situations.