Algebra

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

Objective:

5.01 Simplify algebraic expressions and verify the results using the basic properties of rational numbers.
a) Identity.
b) Commutative.
c) Associative.
d) Distributive.
e) Order of operations.

To achieve this objective, students should:

- Use the order of operations to simplify numeric expressions and first-degree algebraic expressions involving operations with nonnegative rational numbers.
- Develop ways to model situations involving the identity, commutative, associative, and distributive properties.
- Build an understanding of identity, commutative, associative, and distributive properties with numeric expressions and algebraic expressions involving operations with nonnegative rational numbers.
- Simplify first-degree algebraic expressions involving operations with non-negative numbers.
- Recognize the properties being used to simplify expressions involving nonnegative rational numbers.
- Transition from recognizing multiplication as *2* x *3 to 2* • *3 = 2(3)=(2)(3)*