

Algebra

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

Objective:

5.03 Solve simple (one- and two-step) equations or inequalities.

To achieve this objective, students should:

- Solve equations with nonnegative rational numbers containing a variable on one side of the equal sign, which result in a nonnegative solution.
- Solve equations that require the use of the basic properties of nonnegative rational numbers (identity, commutative, associative, and distributive properties).
- Solve equations using informal as well as formal strategies including guess and test, working backwards, balances, etc.

Note: Equations should include fractions, decimals and whole numbers.

- Solve inequalities with nonnegative rational numbers containing a variable on one side of the inequality symbol, which result in a nonnegative solution.
- Graph solutions to inequalities on a number line.

Note: Inequalities should include fractions, decimals or a combination of both, along with Whole Numbers. This objective does NOT include combining like terms, or equalities having variables on both sides of the inequality symbol.