

## Go Math 7 Unit 3 Study Sheet

### Topics

#### Module 6 Expressions and Equations

- 6.1 Algebraic Expressions
- 6.2 One-step Equations
- 6.3 Writing Two-step Equations
- 6.4 Solving Two-step Equations

#### Module 7 Inequalities

- 7.1 One-step Inequalities
- 7.2 Writing One-step Inequalities
- 7.3 Solving One-step Inequalities

### Vocabulary

- Variable - letter used to represent an unknown number
- Coefficient - a number that multiplies a variable
- Constant - a number that does not change
- Expression - math phrase containing numbers, operations and/or variables
- Equation - a statement that two expressions are equivalent
- Inequality - a statement that two expressions are **NOT** equivalent

### Things to Remember

- Always use parentheses to substitute a value for a variable.
- Reverse the inequality symbol **IF AND ONLY IF** you multiply or divide both sides of an inequality by a negative number.

### Test Information

You may use a calculator for the Unit 3 Test.

19 Questions (total 25 points)

- 15 multiple choice (1 point each)
- 2 short response (2 points each)
- 2 extended response (3 points each)

The questions are about

- writing and evaluating algebraic expressions
- solving and checking two-step equations
- solving and graphing two-step inequalities