

Go Math Unit 4 Study Sheet

Topics

Module 9 Numerical Expressions

- 9.1 Exponents
- 9.2 Prime Factorization
- 9.3 Order of Operations

Module 10 Algebraic Expressions

- 10.1 Modeling and Writing Expressions
- 10.2 Evaluating Algebraic Expressions
- 10.3 Generating Equivalent Expressions

Vocabulary

- Base - the factor that is being multiplied repeatedly
- Exponent - how many identical factors are being multiplied
- Variable - letter used to represent an unknown number
- Expression - math phrase containing numbers, operations and/or variables
- Equation - a statement that two expressions are equal

Things to Remember

- Anything (except zero) to the zero power is 1!!!!
- 3^2 is 9, NOT 6. Don't be *that* guy! 😊
- Always use parentheses to substitute a value for a variable.

Test Information

You may use a calculator for the Unit 4 "Quest." (It's a quizzzy kind of test. Or even a "Tuiz.")

25 Questions (total 100 points)

- 25 multiple choice (four points each)

The questions are about

- Exponents
- Prime numbers, factor trees and factor ladders
- Factors and prime factorization
- Order of operations
- Numeric and algebraic expressions
- Evaluating algebraic expressions
- Writing equivalent algebraic expressions
- Number properties