

Go Math 7 Unit 1 Study Sheet

Topics

Module 1 Adding and Subtracting Integers

- 1.1 Adding Integers with the Same Sign
- 1.2 Adding Integers with Different Signs
- 1.3 Subtracting Integers
- 1.4 Applying Addition and Subtraction

Module 2 Multiplying and Dividing Integers

- 2.1 Multiplying Integers
- 2.2 Dividing Integers
- 2.3 Applying Integer Operations

Module 3 Rational Numbers

- 3.1 Rational Numbers and Decimals
- 3.2 Adding Rational Numbers
- 3.3 Subtracting Rational Numbers
- 3.4 Multiplying Rational Numbers
- 3.5 Dividing Rational Numbers
- 3.6 Applying Rational Numbers

Vocabulary

Integers - the set of whole numbers and their opposites

Absolute Value - the distance away from zero

Additive Inverse - the opposite of a number

Rational Number - any number that can be written as a fraction of two integers
(but the denominator cannot be zero)

Terminating Decimal - a decimal that ends

Repeating Decimal - a decimal that repeats forever

Things to Remember

- Adding signed numbers (good guys and bad guys!)
 - If the signs are the same, add the absolute values and keep the sign.
 - If different, subtract the absolute values and use the sign from the higher value.
- Subtracting signed numbers
 - Use the "Keep, Change, Change" strategy first, then follow addition instructions.
- Multiplying and dividing signed numbers
 - If the signs are the same, the product or quotient is positive.
 - If the signs are different, the product or quotient is negative.

Test Information

19 Questions (15 multiple choice, 2 short response, 2 extended response)

The questions are about adding, subtracting, multiplying, and dividing signed numbers, and all rational number operations.