

Algebra

Unit 1 // Lesson 1

Name:

Date:

Period: 1 2 3 4 5 6

Standards: 25.0

Holt: 1.2 + 1.4

Objective:

Warm Up

Property	Words	Numbers	Algebra
	<p>The sum of a number and 0, the additive identity is the original number</p> <p>The product of a number and 1, the multiplicative identity, is the original number</p> <p>The sum of a number and its opposite, or additive inverse, is 0</p> <p>The product of a nonzero number and its reciprocal, or multiplicative inverse, is 1</p>		

Example 1

Q1: What is the additive inverse of ?

Q2: What is the multiplicative inverse of ?

Q3: What is the additive inverse of ?

Q4: What is the multiplicative inverse of ?

Property	Words	Numbers	Algebra
	<p>You can add or multiply real numbers in any order without changing the result</p> <p>The sum or product of three or more real numbers is the same regardless of the way the numbers are grouped.</p> <p>When you multiply a sum by a number, the result is the same whether you add then multiply or whether you multiply each term by the number and then add the products</p>		

Example 2

Q5: Which property?

Q6: Which property?

What is a **reciprocal**?

Q7:

Q8:

Q9:

What is an **opposite reciprocal**?

Q10:

Q11:

Q12:

Common Vocabulary:

Addition:

Subtraction:

Multiplication

Division

Order of Operations [1.4]

Q: How can you remember them?

Examples and Practice

Example 1: Evaluate:

Example 2: Evaluate:

Exercise 1: Evaluate:

Exercise 2: Evaluate:

Example 3: Simplify:

Example 4: Simplify:

Exercise 3: Simplify:

Exercise 4: Simplify: