

Weekly Math Mania

Topic: Rational Number Operations (Distributive Property Focus)

Date Due: Wednesday, September 7, 2016

Rate yourself on a scale of 1 to 5 on your understanding of each standard below.

One represents "I am clueless."

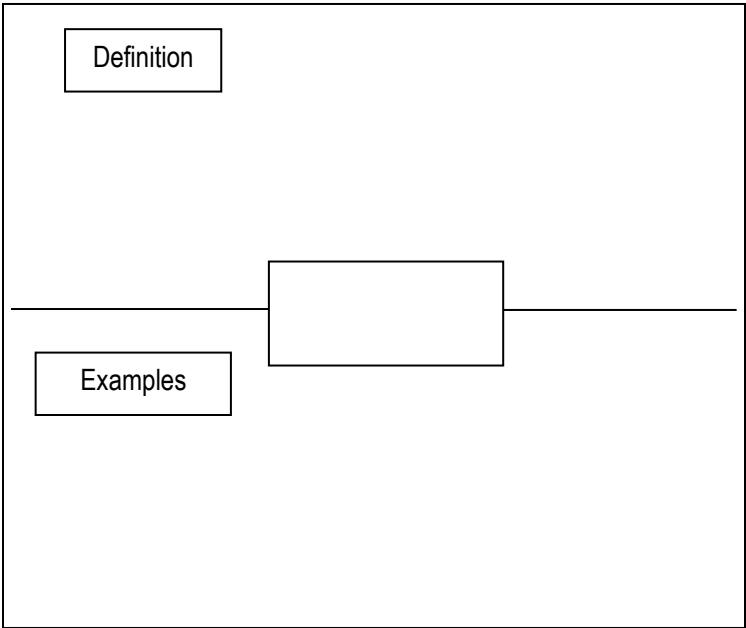
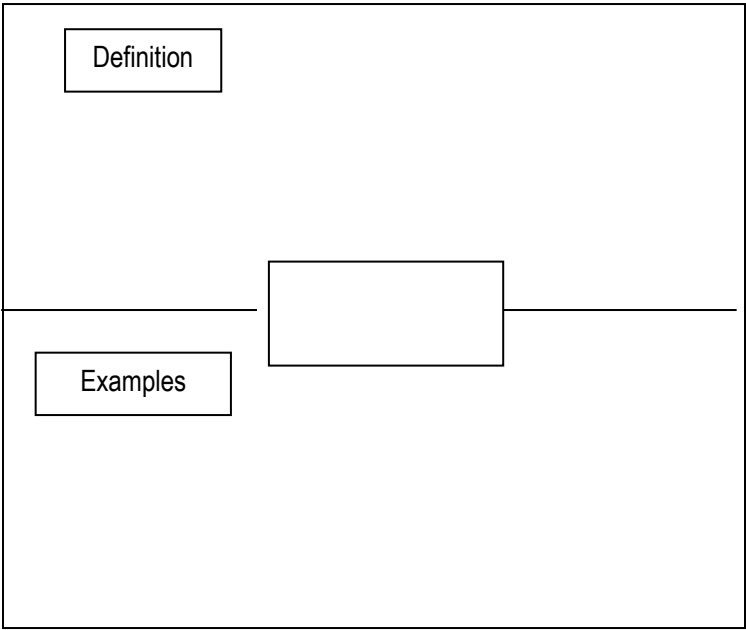
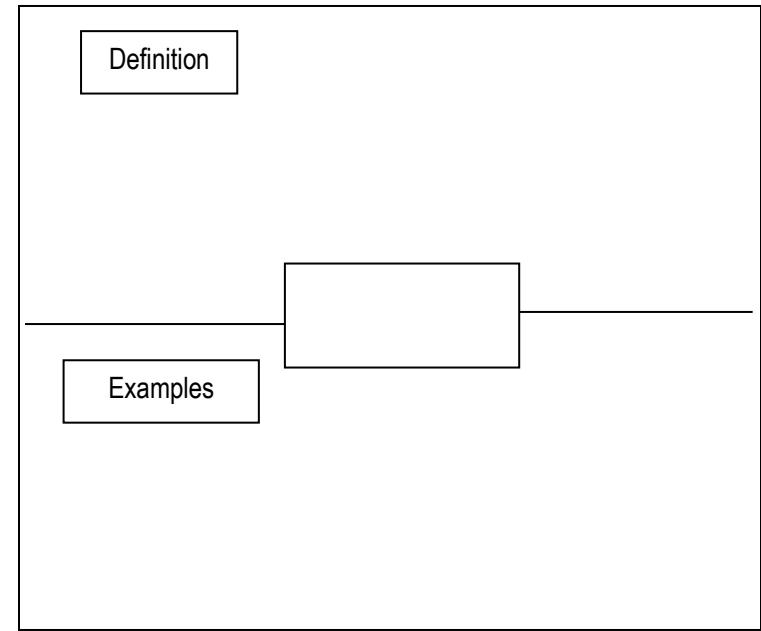
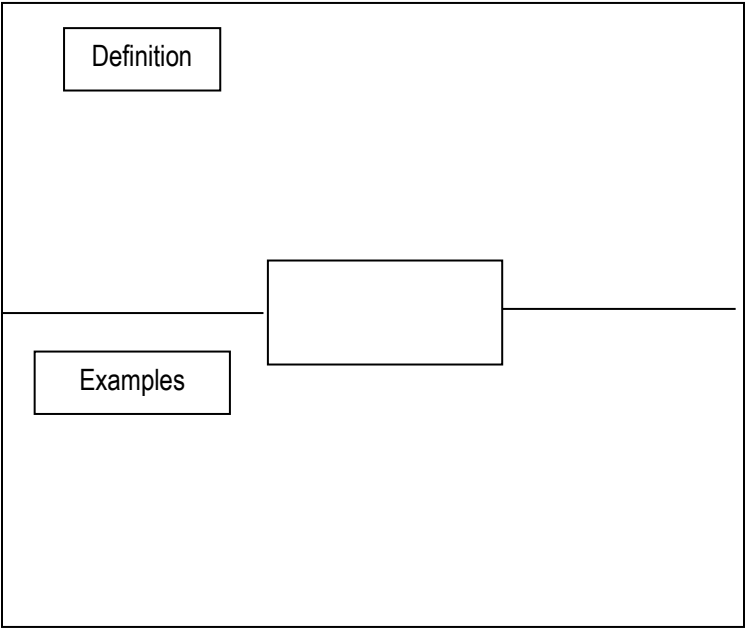
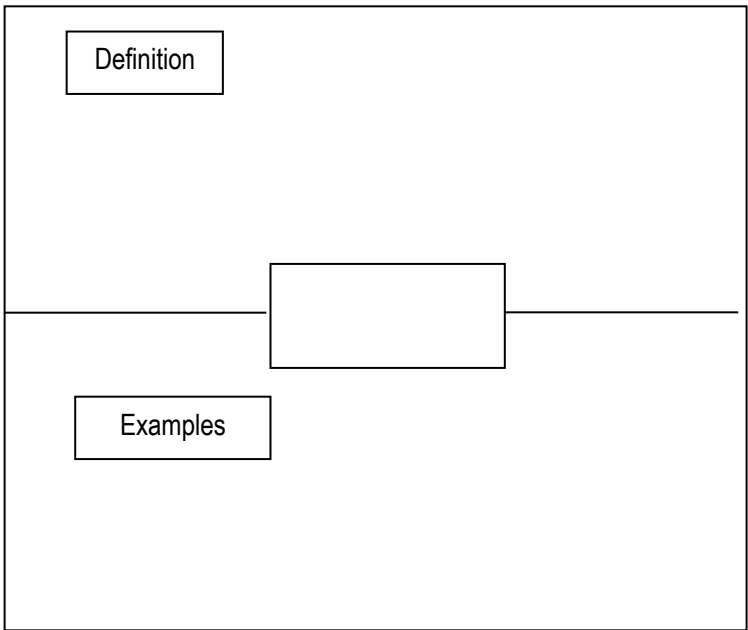
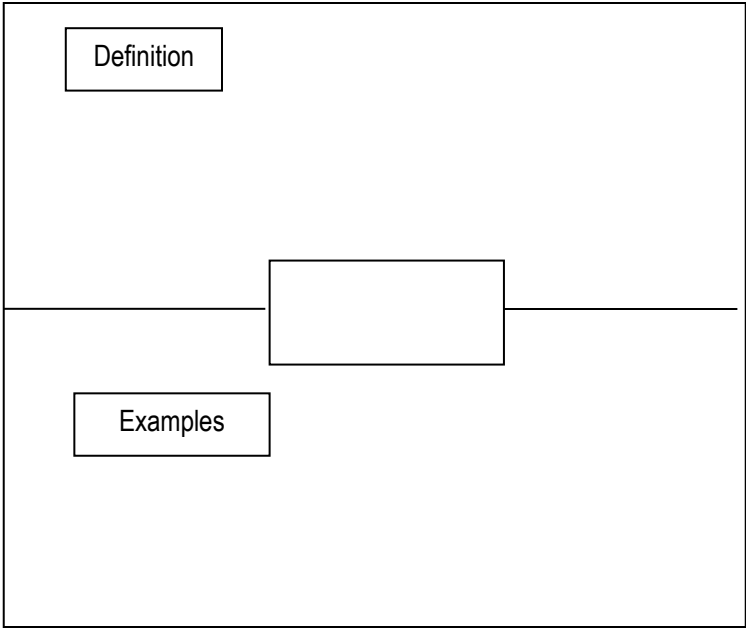
Five represents "I completely understand this concept."

Learning Targets

	I can add and subtract rational numbers.
	I can multiply and divide rational numbers.
	I can identify the mathematical properties.
	I can use the distributive property to simplify numerical and algebraic expressions.

Family Engagement Ask a family member when they have ever used algebra in the real world? If not, ask them what they remember about algebra, or their feelings toward that branch of mathematics.	Words at Work Commutative Property Associative Property Distributive Property
Independent Practice Page 379 (1-14 all) Volume 2 You may tear the page out and staple it to this packet.	Math in the Real World Answer the 5 questions on the Real World page in the packet.
Choose either the online activity or the textbook activity.	
Online Activity Go to https://learnzillion.com/assignments/2X9ZP2F Complete the Conceptual Understanding by answering the two questions about Ms. Aziz. AND complete the Exit Ticket about Ashley. Write the answers on the page titled Online Activity in this packet.	Textbook Activity Complete the 21 st Century Career in Astronomy on pages 251-252. Complete all problems on those pages. Tear them out and staple them to this packet.

FAMILY ENGAGEMENT



Math in the Real World



Real-World Link

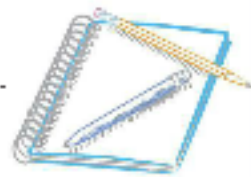
School Supplies Jordan buys three notebooks that cost \$5 each. He also buys three packages of pens for \$6 each.

1. Write an expression that shows the cost of three notebooks added to the cost of three packages of pens.

$$\square \cdot 5 + \square \cdot 6$$

2. Write an expression that shows three times the cost of one notebook and one package of pens.

$$\square (\square + \square)$$



3. Evaluate both expressions. What do you notice?

4. Suppose Jordan buys five notebooks that cost \$3 each and five packages of pens that cost \$1 each. Circle the expressions that represent Jordan's purchases.

$$5 \cdot 3 + 5 \cdot 1$$

$$5 \cdot 3 \cdot 5 \cdot 1$$

$$5(3 + 1)$$

5. Suppose Jordan buys two rulers that cost \$1 each and two folders that cost \$1.50 each. Circle the expressions that represent Jordan's purchases.

$$2 + 1 + 2 + 1.50$$

$$2(1 + 1.50)$$

$$2 \cdot 1 + 2 \cdot 1.50$$

ONLINE OR TEXT BOOK ACTIVITY