

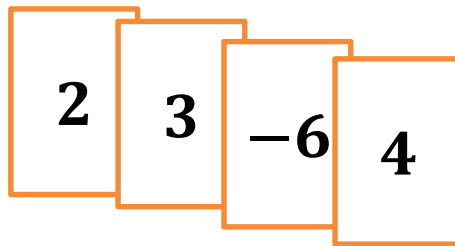
Name _____

Date _____

Lesson 10: Understanding Multiplication of Integers

Exit Ticket

1. Natalie is playing the Integer Game and only shows you the four cards shown below. She tells you that the rest of her cards have the same values on them and match one of these four cards.



- a. If all of the matching cards will increase her score by 18, what are the matching cards?
- b. If all of the matching cards will decrease her score by 12, what are the matching cards?
2. A hand of six integer cards has one matching set of two or more cards. If the matching set of cards is removed from the hand, the score of the hand will increase by six. What are the possible values of these matching cards? Explain. Write an equation using multiplication showing how the matching cards yield an increase in score of six.

Name _____

Date _____

Lesson 11: Develop Rules for Multiplying Signed Numbers

Exit Ticket

1. Create a real-life example that can be modeled by the expression -2×4 , and then state the product.
2. Two integers are multiplied, and their product is a positive number. What must be true about the two integers?

Name _____

Date _____

Lesson 12: Division of Integers

Exit Ticket

1. Mrs. McIntire, a seventh-grade math teacher, is grading papers. Three students gave the following responses to the same math problem:

Student one: $\frac{1}{-2}$

Student two: $-\left(\frac{1}{2}\right)$

Student three: $-\frac{1}{2}$

On Mrs. McIntire's answer key for the assignment, the correct answer is -0.5 . Which student answer(s) is (are) correct? Explain.

2. Complete the table below. Provide an answer for each integer division problem, and write a related equation using integer multiplication.

Integer Division Problem	Related Equation Using Integer Multiplication
$-36 \div (-9) = \underline{\hspace{2cm}}$	
$24 \div (-8) = \underline{\hspace{2cm}}$	
$50 \div 10 = \underline{\hspace{2cm}}$	
$42 \div 6 = \underline{\hspace{2cm}}$	

Name _____

Date _____

Lesson 14: Converting Rational Numbers to Decimals Using Long Division

Exit Ticket

1. What is the decimal value of $\frac{4}{11}$?
2. How do you know that $\frac{4}{11}$ is a repeating decimal?
3. What causes a repeating decimal in the long division algorithm?

Name _____

Date _____

Lesson 16: Applying the Properties of Operations to Multiply and Divide Rational Numbers

Exit Ticket

1. Evaluate the expression below using the properties of operations.

$$18 \div \left(-\frac{2}{3}\right) \times 4 \div (-7) \times (-3) \div \left(\frac{1}{4}\right)$$

2.

- a. Given the expression below, what will the sign of the product be? Justify your answer.

$$-4 \times \left(-\frac{8}{9}\right) \times 2.78 \times \left(1\frac{1}{3}\right) \times \left(-\frac{2}{5}\right) \times (-6.2) \times (-0.2873) \times \left(3\frac{1}{11}\right) \times A$$

- b. Give a value for A that would result in a positive value for the expression.
- c. Give a value for A that would result in a negative value for the expression.