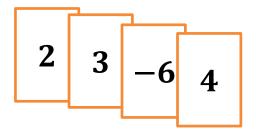
Date _____

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.



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?



Lesson 12 7•2

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 ÷ (-9) =	
24 ÷ (-8) =	
50 ÷ 10 =	
42 ÷ 6 =	



Date _____

Lesson 13: Converting Between Fractions and Decimals Using Equivalent Fractions

Exit Ticket

1. Write 3.0035 as a fraction. Explain your process.

2. This week is just one of 40 weeks that you spend in the classroom this school year. Convert the fraction $\frac{1}{40}$ to decimal form.



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?



Date _____

Lesson 15: Multiplication and Division of Rational Numbers

Exit Ticket

Harrison made up a game for his math project. It is similar to the Integer Game; however, in addition to integers, there are cards that contain other rational numbers such as -0.5 and -0.25. Write a multiplication or division equation to represent each problem below. Show all related work.

1. Harrison discards three -0.25 cards from his hand. How does this affect the overall point value of his hand? Write an equation to model this situation.

2. Ezra and Benji are playing the game with Harrison. After Ezra doubles his hand's value, he has a total of -14.5 points. What was his hand's value before he doubled it?

3. Benji has four -0.5 cards. What is his total score?



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.

