Name:

<u>Homework Assignments</u>

Module 1 - The Number System Unit 2

Standar	d Description
7.NS.A.2	 Apply and extend previous understandings of multiplication and division and of fractions to multiply and divide rational numbers. → a: Understand that multiplication is extended from fractions to rational numbers by requiring that operations continue to satisfy the properties of operations. → b: Understand that integers can be divided, provided that the divisor is not zero, and every quotient of integers (with non-zero divisor) is a rational number. → c: Apply properties of operations as strategies to multiply and divide rational numbers.
7.NS.A.3	Solve real-world and mathematical problems involving the four operations with rational numbers.

Lesson After FULLY completing a lesson, check the box below.	I can After completing each lesson, you are on the right track if you can confidently state "I can"
u 1	Multiply rational numbers.
Q 2	Divide rational numbers.
J 3	Interpret products and quotients of rational numbers by describing real-world contexts.
4	Solve and justify my answer when multiplying and dividing rational numbers.

Homework is due the following day, but you can always turn it in early!

The skills and concepts that you learn in this packet will appear as your grade for the standards listed above.		
A = 4 EXCEEDS	All questions have been attempted and have justification that proves and explains their solution.	
B = 3 MEETS	Most questions have been attempted and have justification that proves and explains their solution.	
C = 2 DEVELOPING	Some or all questions are attempted, but does not contain a justification or explanation for the solution.	
D = 1 WELL BELOW	Few or none of the questions are attempted, and does not contain a justification or explanation for the solution.	

Dear Students,

I know that math homework can be a **DAUNTING** task and sometimes it's hard to find the time to complete it. Please know that these assignments have been designed to help support your mathematical **thinking** - my goal is not to give you busy work. We will use homework to have conversations and practice in class the following day so it is really **important** that you try to complete it each night. If you need help, email me!

Name:	Date:	Score:/4
Independent Practice Lesson 2.	1	
Solve the following problems us you solved the problem (step by	sing words, pictures and/or diag y step) and justify your answer.	rams. Be sure to explain how
Multiplying Integers 1. (-2) • (-6) =		
Explanation:		
Multiplying Decimals 2. 0.0015 * (-0.125) =		
Explanation:		
Multiplying Fractions 3. $-\frac{7}{3}$ • $\frac{2}{24}$ =		
Explanation:		
Multiplying Mixed Number	rs	
4. $-2 \overline{10}$ 3 $\overline{6} = $ Explanation:		

Date: _____



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Independent Practice Lesson 2.3			
Instructions: Solve the following problems. Show and explain your work. Circle your final answer!			
1. Over a 6-week period, the price of a gallon of gas increased by 18 cents by the end of the 6 weeks. What was the average change per week?	2. At 7pm the temperature was 40 degrees. If the temperature dropped steadily at a rate of 6 degrees per hour, what was the temperature at midnight?		
Final Answer:	Final Answer:		
Explanation:	Explanation:		
3. Adele gets \$1.25 every day she cleans her room and helps wash the dishes after supper. If she cleaned 16 days so far this month, does she have enough money to buy a \$20 pair of jeans she has been wanting? Show your work and explain how you know.	4. Joe used 6 ³ / ₈ cups of sugar to make pies. If he only has an ¹ / ₈ cup measuring cup, how many times will he have to fill it up to get enough sugar?		
Final Answer: Explanation:	Final Answer: Explanation:		

Name	: Date:	Score:/4	, t
Indepen	dent Practice Lesson 2.4		
Whole Numbers Whole numbers are numbers that do not need to be represented with a fraction or decimal. Also, whole numbers cannot be negative. In other words, whole numbers are the counting numbers and zero. Examples of whole numbers: 4, 952, 0, 73			
1. Solve:	12 - 4 * 5 + 5 =		
Ex	plain how you solved Problem #1		
Integers a Example	Integers re whole numbers and their opposites. Therefore s of integers: 12, -9, -8, 10	integers can be negative.	
2. Solve:	- 2 - 34 =		
3. Solve:	- 5 - (-14) =		
4. Solve:	- 12 + 27 - 4 - (-17) =		
5. Solve:	132 - (-16) - 34 + (-13) =		
Rational n Example 6. Solve:	Rational Num umbers are numbers that can be expressed as a f s of rational numbers: - %, 0.3333, -12.4 $3.25 \div \frac{1}{4} = $	ibers raction of two integers.	
7. Solve:	(- 36 ÷ - 4) * 3.2 =		
BONUS:	Explore how many different ways you can show a	nd solve Problems #6 and #7.	

Study Guide Directions: Use the following guiding questions, enduring understandings, vocabulary and models, to make a visual study guide in the box below. Feel free to add information on the back or on a separate sheet of paper.

Unit 2 Study Guide		