Assignment Record Sheet

Math Core A

Full Name: _____ **Week: 2/24 - 2/28**

Unit Name: Let's Be Rational Period: 4

Date Assigned	Focus Question??	Homework (IP=in packet)	Meets Expectation (15 points)	Approaching Expectations (5 points)	Below Expectation (0 points)
Monday Feb. 24	*What strategies can you use to multiply all combinations of factors including whole numbers, fractions, and mixed numbers?*	**WU:** None **CW:** Unit Test Corrections **HW:** None	**WU:** **CW:** **HW:**		
Tuesday Feb. 25	*What strategies can you use to multiply all combinations of factors including whole numbers, fractions, and mixed numbers?*	**WU:** None **CW:** STAR 360 **HW:** None	**WU:** **CW:** **HW:**		
Wed. Feb. 26	*What strategies can you use to multiply all combinations of factors including whole numbers, fractions, and mixed numbers?*	**WU:** None **CW:** Math Review **HW:** None	**WU:** **CW:** **HW:**		
Thursday Feb. 27	*How can you use number properties and equivalent fractions to multiply rational numbers?*	**WU:** Intro. to Lesson 2.3 **CW:** Prob. 2.3 A (IP) **HW:** Labsheet (IP)	**WU:** **CW:** **HW:**		
Friday Feb. 28	*How can you use number properties and equivalent fractions to multiply rational numbers?*	**WU:** None **CW:** Introduction to DESMOS **HW:** None ***Turn in your math packet***	**WU:** **CW:** **HW:**		
How are part					

Total Homework Score for the Week: _____/75

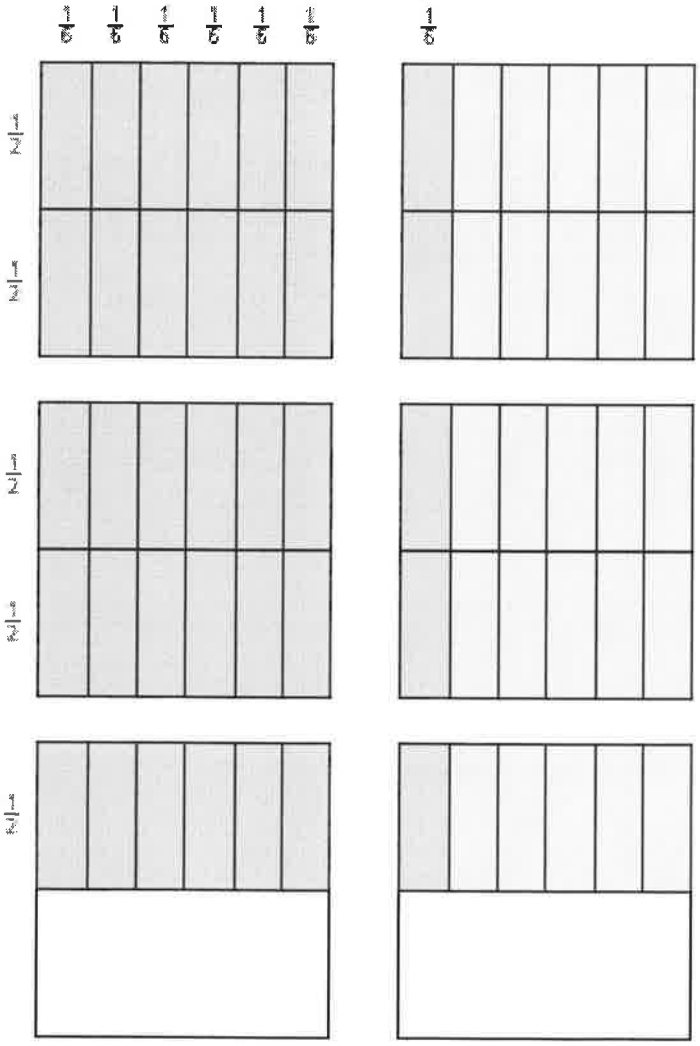
Daily Materials Score _____/25

2/27/20 Per. 4

Problem 2.3 Diagrams for Question B, part (3)

(For Class Discussion)

In the diagram below, a student converted each mixed number into an improper fraction. For $2\frac{1}{2} \times 1\frac{1}{6}$, $2\frac{1}{2}$ was converted into $\frac{5}{2}$, and $1\frac{1}{6}$ was converted into $\frac{7}{6}$.

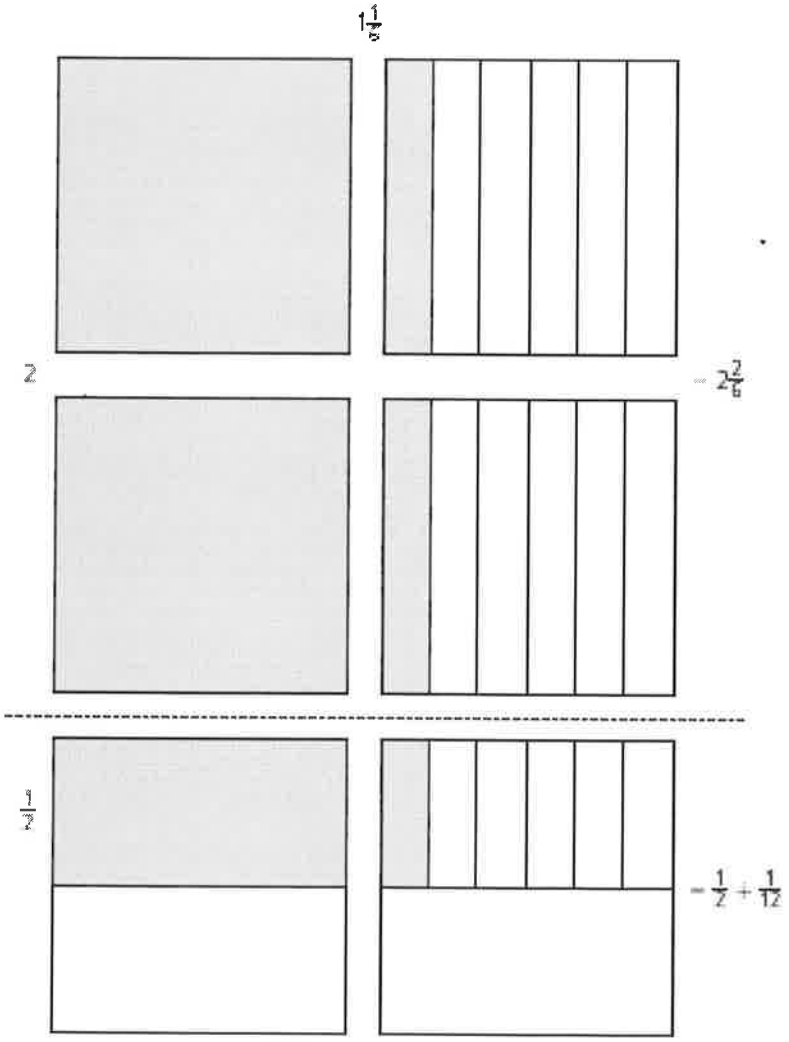


2/27/20 Per. 4

Problem 2.3 Diagrams for Question B, part (3)

(For Class Discussion)

In the diagram below, a student used the Distributive Property and separated $2\frac{1}{2}$ into $2 + \frac{1}{2}$. The student then multiplied both 2 and $\frac{1}{2}$ by $1\frac{1}{6}$, then combined those separate products.



c/w 2/27/20 Per. 4

Problem 2.3A **Takoda's and Yuri's Strategies**

Takoda's Strategy

I used what I know about fractions to rewrite $2\frac{2}{3}$ as $\frac{8}{3}$ to make the problem easier to solve.

$$\frac{1}{2} \times 2\frac{2}{3} = \frac{1}{2} \times \frac{8}{3}$$
$$= \frac{8}{6}$$
$$= 1\frac{2}{6}$$
$$= 1\frac{1}{3}$$

Yuri's Strategy

I wrote $2\frac{2}{3}$ as $\left(2+\frac{2}{3}\right)$ and used the Distributive Property to make the problem easier to solve.

$$\frac{1}{2} \times 2\frac{2}{3} = \frac{1}{2} \times \left(2+\frac{2}{3}\right)$$
$$= \left(\frac{1}{2} \times 2\right) + \left(\frac{1}{2} \times \frac{2}{3}\right)$$
$$= 1 + \frac{2}{6}$$
$$= 1\frac{2}{6}$$
$$= 1\frac{1}{3}$$

a. Does each strategy work? How do you know?

b. How are the strategies similar? How are they different?

c. Use one of the strategies to solve 1 1/3 x 4/5

h/w

Name ..... Date 2/27/20 Class Per. 4

Labsheet

Writing a Multiplication Algorithm

A. For each of the following products:

- Estimate the sum or product.
- Use an algorithm to find the exact product.
- Compare your estimate to the exact answer.

1. $\frac{1}{3} \times \frac{3}{4}$ **2.** $\frac{2}{5} \times 12$ **3.** $3\frac{2}{3} \times 1\frac{1}{2}$

4. $2\frac{1}{4} \times 2\frac{5}{6}$ **5.** $6 \times 1\frac{3}{8}$ **6.** $\frac{1}{4} \times \frac{2}{5}$

7. $\frac{2}{3} \times \frac{5}{7}$ **8.** $1\frac{1}{5} \times 2\frac{2}{3}$ **9.** $2 \times 1\frac{7}{8}$

B. 1. Sort the problems from Question A into two groups:

- Group 1: problems that require less work than the others to solve
- Group 2: problems that require more work than the others to solve

2. Explain why you put each problem into the group you chose.

~~**C.** Write some new problems that belong in each group.~~

~~**D.** Describe an algorithm for finding the products in each group.~~