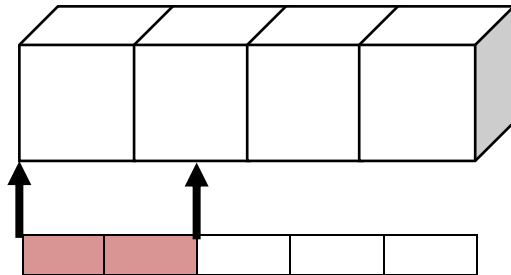


Products of Fractions and Mixed Numbers Word Problems - Guided Lesson Explanation**Explanation#1**

Step 1) Lois made 4 boxes of chocolate cake below. The bars below the box show us the amount of vanilla cake she made. You can see that our final answer is going to be somewhere just over 1 box.

Step 2) To multiply a fraction by a whole number, write the whole number as a fraction with 1 as the denominator.



If we multiply 4 by $\frac{2}{5}$, we get:

$$\frac{2}{5} \times 4 = \frac{2 \times 4}{5 \times 1} = \frac{8}{5} \text{ or } 1\frac{3}{5} \text{ boxes}$$

This number meets right with what we were expecting. Lois made $1\frac{3}{5}$ boxes of vanilla cake.



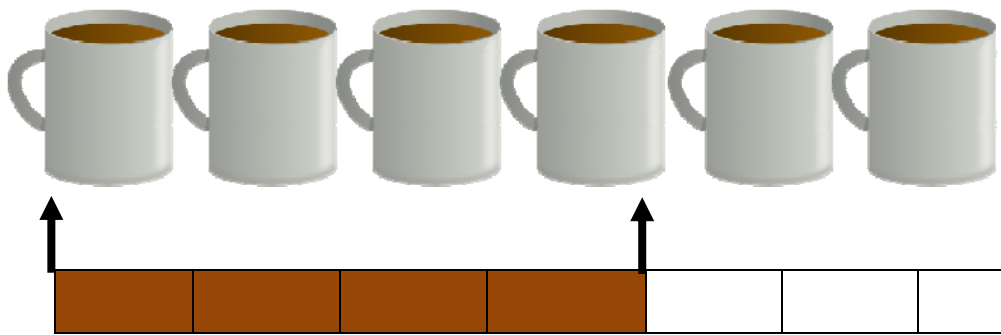
Name _____

Date _____

Explanation#2

Step 1) Adam made the 6 mugs of tea. The bars below the mugs show us the amount of coffee she made. You can see that our final answer is going to be somewhere around 4 mugs.

Step 2) To multiply a fraction by a whole number, write the whole number as a fraction with 1 as the denominator.



If we multiply 6 by $\frac{4}{7}$, we get:

$$\frac{4}{7} \times 6 = \frac{4 \times 6}{7 \times 1} = \frac{24}{7} \text{ or about 4 mugs}$$

This number meets right with what we were expecting. Adam made about 4 mugs of coffee.



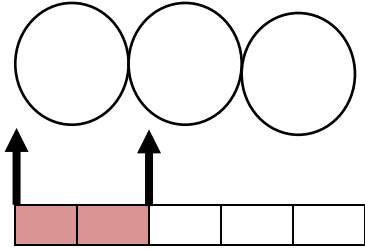
Name _____

Date _____

Explanation#3

Step 1) Laura made the 3 plates of tomato pizza below. The bars below the box show us the amount of cheese pizza she made. You can see that our final answer is going to be somewhere just over 1 plate.

Step 2) To multiply a fraction by a whole number, write the whole number as a fraction with 1 as the denominator.



If we multiply 3 by $\frac{2}{5}$, we get:

$$\frac{2}{5} \times 3 = \frac{2 \times 3}{5 \times 1} = \frac{6}{5} \text{ or } 1\frac{1}{5} \text{ plates}$$

This number meets right with what we were expecting. Lewis made $1\frac{1}{5}$ plates of cheese pizza.

