Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Class: \_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Learning Target 4: I can divide a fraction by a fraction.

Objective: I can divide a fraction by a fraction.

**How do we divide fractions?** $\frac{1}{3}$ $÷$ $\frac{2}{5}$

Step 1: Keep the first fraction the same. $\frac{1}{3}$ $÷$ $\frac{2}{5}$

Step 2: Change the division sign to multiplication. $\frac{1}{3}$ $×$ $\frac{2}{5}$

Step 3: Flip the second fraction (reciprocal). $\frac{1}{3}$ $×$ $\frac{5}{2}$

Step 4: Multiply the fractions, across the top and across the bottom. $\frac{1}{3}$ $×$ $\frac{5}{2}$ = $\frac{5}{6}$

Step 5: Simplify if necessary

Guided Practice:

1. 

2. =

3. 

1.  = 2. = 3. =

4. Carlos has 4/5 fraction of a tank of fuel in his car. He uses 1/10 of a tank per day. How many days will his fuel last?

5. Jessica has ¾ lb. of sugar. Each batch of cookie requires 1/8 lb. How many batches of cookies can she make with the amount of sugar that she has?

6. Johnathan has a recipe for chocolate cake. He checked his refrigerator and in his fridge was 7/8 lbs. of butter. Each cake recipe requires 1/16 lb. of butter. How many cakes can he make?

7. Dean has a piece of wood that is ¾ of a foot in length. He needs to cut pieces that are 1/16 of a foot long. How many pieces can Dean cut?