



Dividing a Fraction by a Fraction Name _____

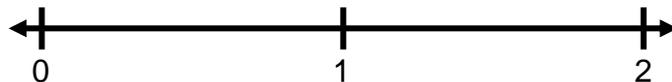
Vocabulary

identity element of multiplication:

In this activity, you will divide a fraction by a fraction by finding common denominators and by using the relationship between multiplication and division.

1. Sami says the answer to $\frac{7}{8} \div \frac{3}{8}$ is $2\frac{1}{8}$. Joan says it is $2\frac{1}{3}$. Who is correct and why?

2. How many $\frac{3}{8}$ -foot long small ribbons can you cut from a 2-foot long ribbon? Complete the number line to show your reasoning.





Dividing a Fraction by a Fraction Name _____

3. Use the file to find the missing value in each equation. Explain your reasoning.

a) $\frac{3}{4}$ of $\frac{1}{2}$ is what? b) $\frac{5}{2}$ is $\frac{3}{2}$ of what? c) $\frac{2}{3}$ of what is 3?

4.  How many $\frac{3}{4}$ -cup servings of rice can you get from a container filled with $3\frac{1}{3}$ cups of rice? Explain your reasoning.
