



Vocabulary

factors:

common divisor:

In this activity, you will use common factors and divisors to create equivalent fractions.

1. To find a fraction equivalent to $\frac{7}{10}$, how many small rectangles will tile the unit square? Explain your answer.


2. Is the following claim true or false? Explain your reasoning, and then give an example. Multiplying a fraction by $\frac{2}{2}$ will double the size of the fraction.

3. Suppose you want to reduce $\frac{25}{10}$. Why is it not useful to try 2 as a divisor?



Creating Equivalent Fractions

Name _____

4.  The fraction $\frac{1}{3}$ is multiplied by $\frac{3}{3}$. What is the area of each rectangle in the product? Draw an area model to illustrate the multiplication. Explain your answer.