

Lesson 5.1T ~ Multiplying Fractions with Models

Name _____ Period _____ Date _____

Use the rectangle provided to draw a model to match each expression. Find each product. Write your answer in simplest form.

1. For $\frac{1}{2} \times \frac{3}{4}$:



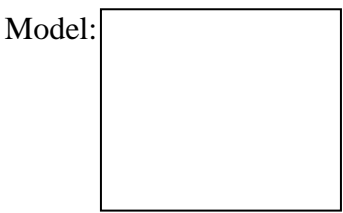
- a. Divide the rectangle horizontally into the amount of sections equal to the denominator of the first fraction.
- b. Shade in the amount of horizontal sections equal to the numerator of the first fraction.
- c. Divide the rectangle vertically into the amount of sections equal to the denominator of the second fraction.
- d. Shade in the amount of vertical sections equal to the numerator of the second fraction.
- e. How many sections are there in the rectangle altogether? _____
- f. How many sections are shaded twice? _____

g. Write **part f** over **part e** to make a fraction. $\frac{\text{part f}}{\text{part e}} =$

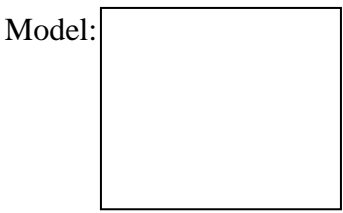
h. $\frac{1}{2} \times \frac{3}{4} =$

i. Is your answer in simplest form? _____ If not, simplify.

2. $\frac{1}{4} \times \frac{1}{4} =$



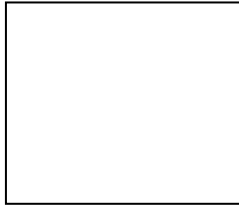
3. $\frac{1}{2} \times \frac{5}{6} =$



Use the rectangle provided to draw a model to match each expression. Find each product. Write your answer in simplest form.

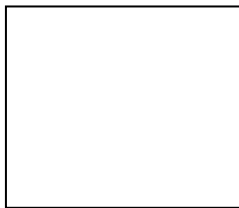
4. $\frac{1}{3} \times \frac{3}{5} =$

Model:



5. $\frac{3}{4} \times \frac{2}{3} =$

Model:



6. $\frac{2}{3} \times \frac{5}{6} =$

Model:

