Name: _____

Lesson Guide

This lesson guide accompanies the following video lesson:

The Fraction Multiplication Rule

▶ **Key Questions and Info:**

How can you multiply a fraction by a fraction?

Visual Review of Multiplying:

What about multiplying fractions?

$$\boxed{} \times \boxed{} = \boxed{}$$

▶ **RULE**

Whenever multiplying fractions together:
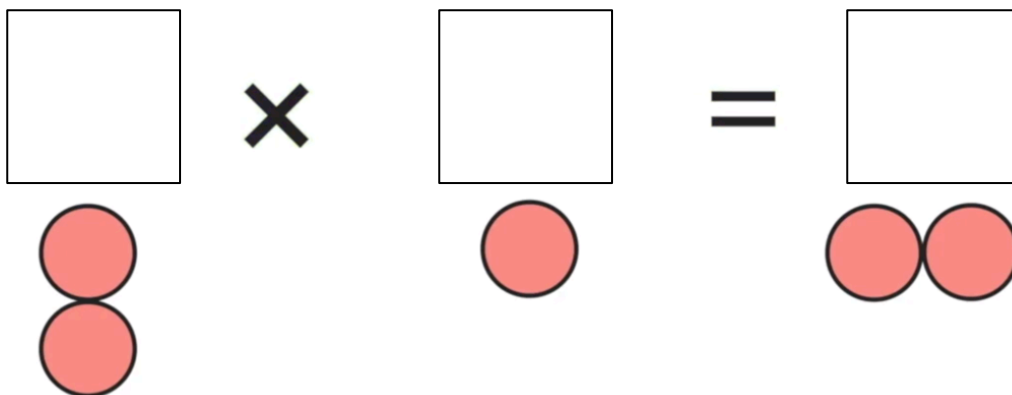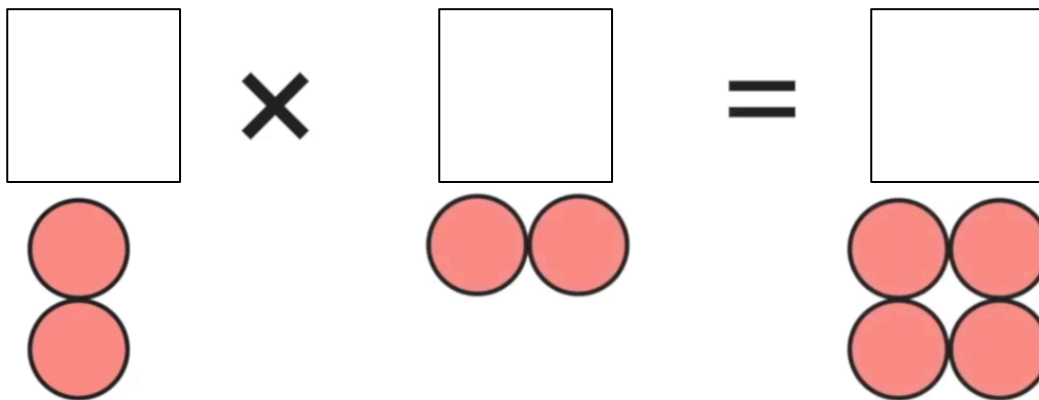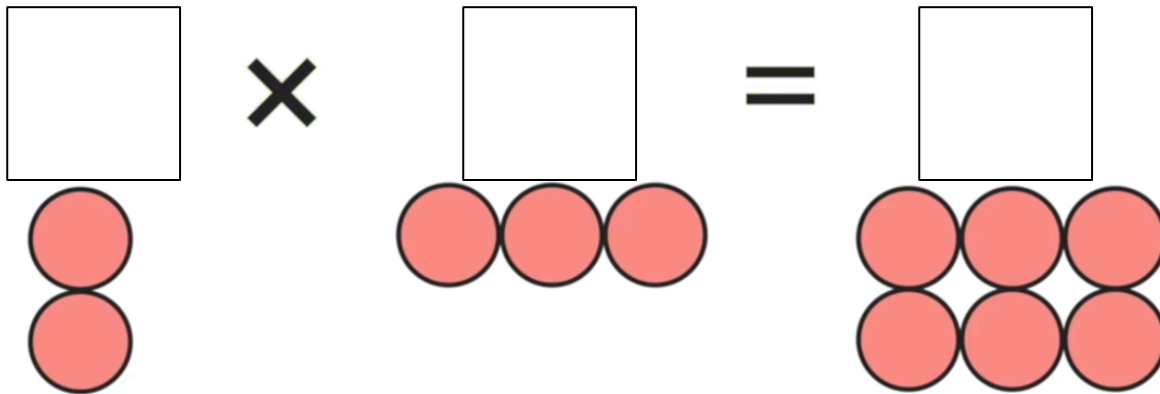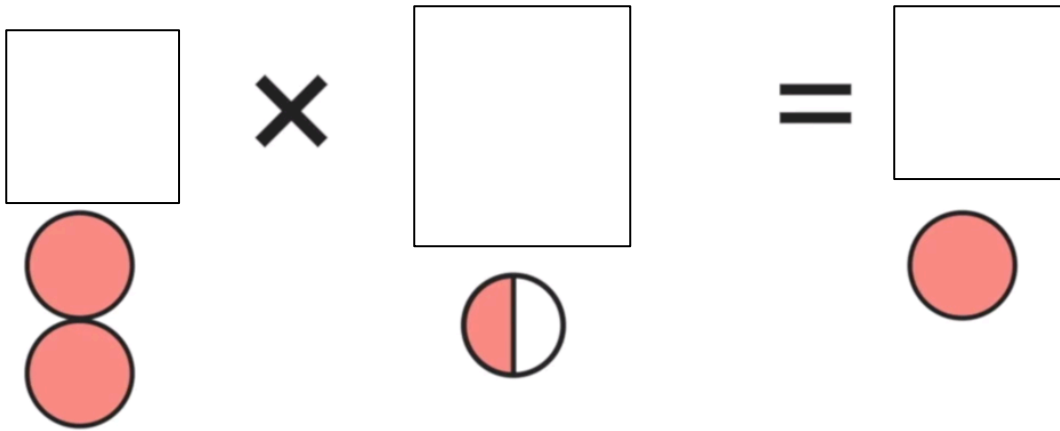
$$\frac{a}{b} \times \frac{c}{d} = \frac{a \times c}{b \times d}$$

Multiply the _____ together, and then multiply the _____ together.

▶ **Example 01:**

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

My Answer: _____

▶ **Example 02**

$$2 \times \frac{1}{2}$$

My Answer: _____

▶ **Example 03**

$$\frac{5}{6} \times \frac{3}{4}$$

My Answer: _____

▶ **Your Turn!**

Find the product of each of the following:

1) $\dfrac{3}{4} \times \dfrac{9}{8}$

2) $\dfrac{4}{3} \times \dfrac{1}{2}$

3) $6 \times \dfrac{3}{2}$

4) $5 \times \dfrac{7}{5}$

5) $\dfrac{5}{3} \times \dfrac{3}{2}$

6) $\dfrac{6}{5} \times \dfrac{3}{2}$

7) $\dfrac{11}{7} \times \dfrac{1}{4}$

8) $2 \times \dfrac{6}{7}$

9) $\dfrac{9}{5} \times \dfrac{1}{2}$

10) $2 \times \dfrac{5}{4}$

1.) $\frac{3}{8}$

2.) 1

3.) $\frac{5}{8}$

4.) Your Turn!

1) $\frac{27}{32}$ 2) $\frac{2}{3}$ 3) 9 4) 7

5) $\frac{5}{2}$ 6) $\frac{9}{5}$ 7) $\frac{11}{28}$ 8) $\frac{12}{7}$

9) $\frac{9}{10}$ 10) $\frac{5}{2}$