Name: _____

Lesson Guide

This lesson guide accompanies the following video lesson:

Multiplying Fractions by Whole Numbers

▶ **Key Questions and Info:**

How can you multiply a fraction by a whole number?

Quick Review: How to multiply two fractions together:

RULE

Whenever multiplying fractions together:

$$\frac{a}{b} \times \frac{c}{d} = \frac{\boxed{}}{\boxed{}}$$

Multiply the _____ together, then multiply the _____ together.

Example

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

What happens when you have to multiply a fraction by a whole number?

You can use the same rule, but with one extra step…

▶ **Example 01**

$$\frac{2}{7} \times 3 = \text{?}$$

Start by converting the whole number, 3, into a _____.

$$\frac{2}{7} \times \boxed{} = \text{?}$$
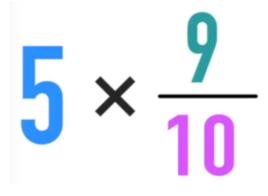
(any number divided by _____ is equal to itself)

Now you can apply the rule:

$$\frac{2}{7} \times \frac{3}{1} = \frac{2 \times 3}{}$$

My Answer: _____

► **Example 02**

$$5 \times \frac{9}{10}$$

Step One: Rewrite the whole number as a fraction

Step Two: Apply the fraction multiplication rule, then simplify if possible.

My Answer: _____

Your Turn!

Find each of the following products

1.) $7 \times \frac{3}{4}$

2.) $\frac{4}{5} \times 2$

3.) $7 \times \frac{2}{3}$

4.) $\frac{3}{8} \times 6$

5.) $8 \times \frac{1}{2}$

6.) $2 \times \frac{3}{6}$

7.) $3 \times \frac{4}{8}$

8.) $\frac{1}{4} \times 5$

9.) $\frac{2}{5} \times 3$

10.) $\frac{1}{10} \times 4$

ANSWER KEY

Example 01: $\frac{6}{7}$

Example 02: $\frac{9}{2}$

Your Turn!

1.) 21/4
2.) 8/5
3.) 14/3
4.) 9/4
5.) 4
6.) 1
7.) 3/2
8.) 5/4
9.) 6/5
10.) 2/5