Name_____

Reteaching Page
4.9 Multiply Fractions by Whole Numbers
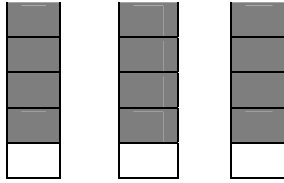
You can use fraction strips to see how multiplying fractions works.

$3 * \frac{4}{5}$ = 3 groups of $\frac{4}{5}$

$\frac{4}{5} + \frac{4}{5} + \frac{4}{5} = \frac{12}{5}$

3 groups of $\frac{4}{5}$ is $\frac{12}{5}$.

Simplify and you have $2 \frac{2}{5}$

Computation - Multiply First

$$3 * \frac{2}{5} = \frac{3}{1} * \frac{2}{5} =$$

1. Multiply the numerators. (3 * 2 = 6)

2. Multiply the denominators. (1 * 5 = 5)

3. Simplify the product. $\frac{6}{5}$ in simplest form is $1 \frac{1}{5}$

$$5 * \frac{3}{10} = \frac{5}{1} * \frac{3}{10} = \underline{\quad} = \underline{\quad}$$

$$7 * \frac{1}{21} = \frac{\quad}{1} * \frac{1}{21} = \underline{\quad}$$

$$8 * \frac{3}{4} = \underline{\quad} * \underline{\quad} = \underline{\quad} = \underline{\quad}$$

$$5 * \frac{4}{9} = \underline{\quad} * \underline{\quad} = \underline{\quad} = \underline{\quad}$$

Evaluate 3*n* for each value of *n*. Write your answer in simplest form.

$$n = \frac{1}{3}$$

means

$3 * n$ for $n = \frac{1}{3}$

Replace *n* with $\frac{1}{3}$

$$3 * \frac{1}{3} = \frac{3}{1} * \frac{1}{3} = \frac{3}{3} = \underline{\quad}$$

$$n = \frac{5}{9}$$

$$3 * \frac{5}{9} = \frac{\quad}{\quad} * \underline{\quad} = \underline{\quad} = \underline{\quad}$$