Name_____

Reteaching Page
5.1 Multiplying Fractions

To multiply fractions, multiply the numerators then multiply the denominators. Finish the problem by simplifying your product.

$$\frac{9}{12} * \frac{4}{7} = \frac{36}{84}$$ notice that   9 * 4 = 36
notice that 12 * 7 = 84

Now we simplify our product.

$$\frac{36}{84} \div \frac{12}{12} = \frac{3}{7}$$

Sometimes we can simplify first to make the problem a little easier. We look at the numerators and denominators to see if we can remove a common factor first.

$$\frac{1}{7} * \frac{21}{25} =$$

Look at the 1 and 25. They have no common factor so we leave them alone. However... the 7 and 21 have a GCF of 7. Let's divide **both** by the 7 before we multiply.

$$\frac{1}{7} \text{ of } \frac{\overset{3}{\cancel{21}}}{25} = \frac{3}{25}$$
$$\underset{1}{}$$

Try both styles for the following problems.

$$\frac{1}{2} * \frac{1}{4} = \underline{} \qquad\qquad \frac{3}{5} \text{ of } \frac{2}{3} = \underline{} \qquad\qquad \frac{5}{8} * \frac{2}{7} = \underline{}$$

$$\frac{5}{6} \text{ of } \frac{3}{10} = \underline{} \qquad\qquad \frac{1}{6} * \frac{3}{4} = \underline{} \qquad\qquad \frac{5}{8} \text{ of } \frac{4}{5} = \underline{}$$

$$\frac{7}{10} \text{ of } \frac{5}{7} = \underline{} \qquad\qquad \frac{6}{11} * \frac{22}{24} = \underline{} \qquad\qquad \frac{3}{4} \text{ of } \frac{4}{3} = \underline{}$$