

Reteaching Page

5.2 Multiplying Mixed Numbers

To multiply mixed numbers – **you have to make improper fractions** first.

$$1 \frac{5}{8} * 7 = \frac{13}{8} * \frac{7}{1} = \frac{91}{8}$$

Now we simplify our product.

$$91 \div 8 = 11 \text{ r } 3 \text{ or } 11 \frac{3}{8}$$

The GCF of 3 and 8 is 1 so the answer is in simplest form and the problem is complete.

$$1 \frac{5}{8} * 7 = 11 \frac{3}{8}$$

Make each mixed number an **improper** fraction, look to **simplify** the problem then **multiply** each of the following.

Rewrite as improper fractions and multiply.

$$2 \frac{5}{9} * 2 =$$

$$\frac{\quad}{9} * \frac{\quad}{1} = \frac{\quad}{9}$$

Simplify

$$46 = 2 * 23$$

$$9 = 3 * 3$$

GCF = 1

Rewrite as improper fractions and multiply.

$$2 \frac{1}{6} * \frac{3}{7} =$$

$$\frac{\quad}{6} * \frac{3}{7} = \frac{\quad}{\quad}$$

Simplify

$$= \frac{\quad}{\quad}$$

$$= \frac{\quad}{\quad}$$

GCF =

Rewrite as improper fractions and multiply.

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

$$\frac{\quad}{\quad} * \frac{\quad}{\quad} = \frac{\quad}{\quad}$$

Simplify

$$= \frac{\quad}{\quad}$$

$$= \frac{\quad}{\quad}$$

GCF =

Rewrite as improper fractions and multiply.

$$2 \frac{2}{3} * 3 \frac{5}{8} =$$

$$\frac{\quad}{\quad} * \frac{\quad}{\quad} = \frac{\quad}{\quad}$$

Simplify

$$= \frac{\quad}{\quad}$$

$$= \frac{\quad}{\quad}$$

GCF =