

I can multiply mixed numbers and simplify my answer into lowest terms.

## Multiplying Mixed Numbers

We've handled:

$$\frac{12}{5} \cdot \frac{25}{9} =$$

A Similar Problem:

$$2\frac{2}{5} \cdot 2\frac{7}{9} =$$

General Rule:

Change all Mixed Numbers into Improper Fractions,  
 Multiply the Fractions  
 Change the Result back into a Mixed Number  
 Simplify Fraction if Possible

$$1. \quad \frac{3}{4} \cdot 2\frac{2}{5} =$$

$$2. \quad 6\frac{2}{3} \cdot 2\frac{5}{8} =$$

$$3. \quad 4\frac{1}{2} \cdot 3\frac{2}{3} =$$

$$4. \quad 1\frac{3}{11} \cdot 9\frac{1}{6} =$$

I can multiply mixed numbers and simplify my answer into lowest terms.

## Multiplying Mixed Numbers

We've handled:

$$4\frac{12}{5} \cdot 2\frac{25}{3} =$$

$$\frac{20}{3} \quad \boxed{6\frac{2}{3}}$$

A Similar Problem:

$$2\frac{2}{5} \cdot 2\frac{7}{9} =$$

$$\frac{12}{5} \cdot \frac{25}{9}$$

General Rule:

Change all Mixed Numbers into Improper Fractions,  
 Multiply the Fractions  
 Change the Result back into a Mixed Number  
 Simplify Fraction if Possible

1.  $\frac{3}{4} \cdot 2\frac{2}{5} =$

$$\frac{3}{4} \cdot \frac{12}{5} = \frac{9}{5} = \boxed{1\frac{4}{5}}$$

2.  $6\frac{2}{3} \cdot 2\frac{5}{8} =$

$$\frac{20}{3} \cdot \frac{21}{8} = \frac{35}{2} = \boxed{17\frac{1}{2}}$$

3.  $4\frac{1}{2} \cdot 3\frac{2}{3} =$

$$\frac{9}{2} \cdot \frac{11}{3} = \frac{33}{2} = \boxed{16\frac{1}{2}}$$

4.  $1\frac{3}{11} \cdot 9\frac{1}{6} =$

$$\frac{14}{11} \cdot \frac{55}{6} = \frac{35}{3} = \boxed{11\frac{2}{3}}$$