

$$\frac{3}{4} \times \frac{8}{9} = \frac{2}{3}$$

True

$$\frac{3}{4} \times \frac{8}{9} = \frac{24}{36} = \frac{2}{3}$$

The diagram illustrates the simplification of the fraction  $\frac{24}{36}$  to  $\frac{2}{3}$ . A blue arrow points from the numerator 24 to the simplified numerator 2, labeled with  $\div 12$ . Another blue arrow points from the denominator 36 to the simplified denominator 3, also labeled with  $\div 12$ .