

Multiply Mixed Numbers

When you multiply with mixed numbers, fractions, and whole numbers, write the numbers as fractions. Then you can multiply the fractions.

Multiply $2\frac{4}{5} \times 1\frac{2}{3}$.

Write the mixed numbers as fractions.

$$2\frac{4}{5} \times 1\frac{2}{3}$$

$$\downarrow \quad \downarrow$$

$$\frac{14}{5} \times \frac{5}{3}$$

$$\downarrow \quad \downarrow$$

Divide a numerator and a denominator by their GCF, if possible. Then multiply and simplify the product.

$$\frac{14}{5} \times \frac{5}{3} = \frac{14 \times 1}{1 \times 3} = \frac{14}{3} = 4\frac{2}{3}$$

Complete. Find each product. Write the product in simplest form.

1. $\frac{3}{5} \times 14$

$$\frac{\square}{5} \times \frac{\square}{1} = \frac{\square}{5} \times \frac{\square}{1} = \frac{\square}{\square} = \underline{\hspace{2cm}}$$

2. $\frac{5}{6} \times 3\frac{3}{4}$

$$\frac{\square}{\square} \times \frac{\square}{4} = \frac{\square}{\square} \times \frac{\square}{\square} = \frac{\square}{\square} = \underline{\hspace{2cm}}$$

3. $22 \times 1\frac{3}{4}$

$$\frac{\square}{\square} \times \frac{\square}{\square} = \frac{\square}{\square} \times \frac{\square}{\square} = \frac{\square}{\square} = \underline{\hspace{2cm}}$$

4. $3\frac{1}{3} \times 1\frac{5}{6}$

$$\frac{\square}{\square} \times \frac{\square}{\square} = \frac{\square}{\square} \times \frac{\square}{\square} = \frac{\square}{\square} = \underline{\hspace{2cm}}$$

5. $\frac{1}{3} \times 2\frac{5}{8}$

$$\frac{\square}{\square} \times \frac{\square}{\square} = \frac{\square}{\square} \times \frac{\square}{\square} = \frac{\square}{\square} = \underline{\hspace{2cm}}$$

6. $1\frac{2}{3} \times 2\frac{1}{4}$

$$\frac{\square}{\square} \times \frac{\square}{\square} = \frac{\square}{\square} \times \frac{\square}{\square} = \frac{\square}{\square} = \underline{\hspace{2cm}}$$