

# Divide Mixed Numbers

Divide mixed numbers in the same way as you divide fractions.

Divide  $3\frac{1}{2} \div 2$ .

$$3\frac{1}{2} \div 2$$

$$\begin{array}{c} \downarrow \quad \downarrow \\ \frac{7}{2} \div \frac{2}{1} \end{array}$$

**Step 1:** Write the numbers as fractions.

$$\frac{7}{2} \div \frac{2}{1}$$

$$\begin{array}{c} \downarrow \quad \downarrow \\ \frac{7}{2} \times \frac{1}{2} = \frac{7}{4} \end{array}$$

**Step 2:** Multiply by the reciprocal of the divisor.  $\frac{7}{2} \times \frac{1}{2} = \frac{7}{4}$

**Step 3:** Simplify.

$$\frac{7}{4} = 1\frac{3}{4}$$

Divide. Write each quotient in simplest form.

1.  $2\frac{3}{4} \div \frac{7}{8}$

$$\frac{11}{4} \times \frac{\square}{\square} = \frac{\square}{\square} = \underline{\hspace{2cm}}$$

2.  $6 \div \frac{4}{5}$

$$\frac{\square}{\square} \div \frac{4}{5}$$

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

3.  $\frac{2}{3} \div 4$

$$\frac{2}{3} \div \frac{\square}{\square}$$

$$\frac{2}{3} \times \frac{\square}{\square} = \frac{\square}{\square} = \underline{\hspace{2cm}}$$

4.  $2\frac{1}{2} \div 3$

$$\frac{\square}{\square} \div \frac{\square}{\square}$$

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

5.  $1\frac{2}{5} \div \frac{5}{6}$

$$\frac{\square}{\square} \div \frac{\square}{\square}$$

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

6.  $\frac{5}{8} \div 1\frac{1}{4}$

$$\frac{\square}{\square} \div \frac{\square}{\square}$$

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