

Lesson 5.9 Dividing Fractions by Fractions

To divide, multiply by the reciprocal of the divisor.

$$\frac{4}{5} \div \frac{8}{9} = \frac{4}{5} \times \frac{9}{8} = \frac{36}{40} = \frac{9}{10}$$

Divide. Write answers in simplest form.

1. **a**

$$\frac{1}{2} \div \frac{3}{5}$$

b

$$\frac{3}{8} \div \frac{2}{3}$$

c

$$\frac{5}{8} \div \frac{3}{4}$$

d

$$\frac{2}{5} \div \frac{3}{8}$$

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

$\frac{4}{5} \div \frac{3}{4}$

$\frac{5}{6} \div \frac{3}{8}$

$\frac{2}{3} \div \frac{4}{5}$

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

$\frac{7}{9} \div \frac{2}{3}$

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

$\frac{5}{6} \div \frac{1}{3}$

4. $\frac{3}{5} \div \frac{2}{3}$

$\frac{4}{9} \div \frac{3}{7}$

$\frac{1}{2} \div \frac{5}{8}$

$\frac{2}{3} \div \frac{7}{9}$