

## Dividing Fractions (B)

Find the value of each expression in lowest terms.

1.  $\frac{16}{9} \div \left(1\frac{7}{10} \div 2\frac{5}{6}\right)$

4.  $2\frac{1}{2} \div \left(\frac{15}{2} \div \frac{9}{5}\right)$

7.  $\frac{5}{7} \div \left(1\frac{1}{4} \div \frac{2}{5}\right)$

2.  $\frac{11}{4} \div \left(\frac{1}{3} \div \frac{5}{2}\right)$

5.  $1\frac{1}{4} \div \frac{8}{9} \div 3\frac{3}{5}$

8.  $1\frac{2}{5} \div \left(\frac{7}{3} \div 1\frac{5}{8}\right)$

3.  $\frac{17}{4} \div 2\frac{2}{5} \div \frac{5}{9}$

6.  $\frac{9}{7} \div \frac{7}{5} \div \frac{1}{7}$

9.  $\frac{5}{3} \div \left(1\frac{1}{4} \div 1\frac{2}{3}\right)$

## Dividing Fractions (B) Answers

Find the value of each expression in lowest terms.

$$\begin{aligned} 1. \quad & \frac{16}{9} \div \left( 1\frac{7}{10} \div 2\frac{5}{6} \right) \\ & = \frac{80}{27} = 2\frac{26}{27} \end{aligned}$$

$$\begin{aligned} 4. \quad & 2\frac{1}{2} \div \left( \frac{15}{2} \div \frac{9}{5} \right) \\ & = \frac{3}{5} \end{aligned}$$

$$\begin{aligned} 7. \quad & \frac{5}{7} \div \left( 1\frac{1}{4} \div \frac{2}{5} \right) \\ & = \frac{8}{35} \end{aligned}$$

$$\begin{aligned} 2. \quad & \frac{11}{4} \div \left( \frac{1}{3} \div \frac{5}{2} \right) \\ & = \frac{165}{8} = 20\frac{5}{8} \end{aligned}$$

$$\begin{aligned} 5. \quad & 1\frac{1}{4} \div \frac{8}{9} \div 3\frac{3}{5} \\ & = \frac{25}{64} \end{aligned}$$

$$\begin{aligned} 8. \quad & 1\frac{2}{5} \div \left( \frac{7}{3} \div 1\frac{5}{8} \right) \\ & = \frac{39}{40} \end{aligned}$$

$$\begin{aligned} 3. \quad & \frac{17}{4} \div 2\frac{2}{5} \div \frac{5}{9} \\ & = \frac{51}{16} = 3\frac{3}{16} \end{aligned}$$

$$\begin{aligned} 6. \quad & \frac{9}{7} \div \frac{7}{5} \div \frac{1}{7} \\ & = \frac{45}{7} = 6\frac{3}{7} \end{aligned}$$

$$\begin{aligned} 9. \quad & \frac{5}{3} \div \left( 1\frac{1}{4} \div 1\frac{2}{3} \right) \\ & = \frac{20}{9} = 2\frac{2}{9} \end{aligned}$$