

## Dividing Fractions (D)

Find the value of each expression in lowest terms.

1.  $3\frac{1}{2} \div 1\frac{1}{9} \div 1\frac{1}{8}$

4.  $2\frac{2}{9} \div 1\frac{3}{4} \div 1\frac{3}{7}$

7.  $1\frac{1}{10} \div \left(1\frac{9}{10} \div 3\frac{3}{4}\right)$

2.  $1\frac{4}{7} \div 1\frac{1}{10} \div 1\frac{1}{3}$

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

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

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

6.  $2\frac{2}{3} \div 6\frac{1}{3} \div 2\frac{2}{5}$

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

## Dividing Fractions (D) Answers

Find the value of each expression in lowest terms.

$$\begin{aligned} 1. \quad & 3\frac{1}{2} \div 1\frac{1}{9} \div 1\frac{1}{8} \\ & = \frac{14}{5} = 2\frac{4}{5} \end{aligned}$$

$$\begin{aligned} 4. \quad & 2\frac{2}{9} \div 1\frac{3}{4} \div 1\frac{3}{7} \\ & = \frac{8}{9} \end{aligned}$$

$$\begin{aligned} 7. \quad & 1\frac{1}{10} \div \left(1\frac{9}{10} \div 3\frac{3}{4}\right) \\ & = \frac{165}{76} = 2\frac{13}{76} \end{aligned}$$

$$\begin{aligned} 2. \quad & 1\frac{4}{7} \div 1\frac{1}{10} \div 1\frac{1}{3} \\ & = \frac{15}{14} = 1\frac{1}{14} \end{aligned}$$

$$\begin{aligned} 5. \quad & 2\frac{1}{4} \div \left(2\frac{1}{2} \div 1\frac{4}{5}\right) \\ & = \frac{81}{50} = 1\frac{31}{50} \end{aligned}$$

$$\begin{aligned} 8. \quad & 1\frac{1}{5} \div \left(2\frac{2}{5} \div 3\frac{1}{2}\right) \\ & = \frac{7}{4} = 1\frac{3}{4} \end{aligned}$$

$$\begin{aligned} 3. \quad & 2\frac{1}{2} \div 1\frac{2}{7} \div 4\frac{1}{2} \\ & = \frac{35}{81} \end{aligned}$$

$$\begin{aligned} 6. \quad & 2\frac{2}{3} \div 6\frac{1}{3} \div 2\frac{2}{5} \\ & = \frac{10}{57} \end{aligned}$$

$$\begin{aligned} 9. \quad & 1\frac{4}{5} \div \left(2\frac{4}{5} \div 4\frac{1}{2}\right) \\ & = \frac{81}{28} = 2\frac{25}{28} \end{aligned}$$