

## Dividing Fractions (H)

Find the value of each expression in lowest terms.

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

4.  $2\frac{3}{4} \div 3\frac{1}{3} \div 3\frac{3}{5}$

7.  $1\frac{2}{3} \div \left(1\frac{5}{6} \div 2\frac{3}{4}\right)$

2.  $8\frac{1}{2} \div \left(2\frac{2}{3} \div 4\frac{2}{3}\right)$

5.  $1\frac{8}{9} \div \left(1\frac{5}{9} \div 1\frac{1}{9}\right)$

8.  $4\frac{1}{4} \div \left(1\frac{7}{10} \div 2\frac{3}{8}\right)$

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

6.  $2\frac{1}{5} \div 1\frac{1}{5} \div 1\frac{5}{7}$

9.  $2\frac{1}{5} \div \left(1\frac{3}{5} \div 1\frac{1}{10}\right)$

## Dividing Fractions (H) Answers

Find the value of each expression in lowest terms.

$$\begin{aligned} 1. \quad 2\frac{3}{5} \div \left( 3\frac{1}{3} \div 1\frac{1}{4} \right) \\ = \frac{39}{40} \end{aligned}$$

$$\begin{aligned} 4. \quad 2\frac{3}{4} \div 3\frac{1}{3} \div 3\frac{3}{5} \\ = \frac{11}{48} \end{aligned}$$

$$\begin{aligned} 7. \quad 1\frac{2}{3} \div \left( 1\frac{5}{6} \div 2\frac{3}{4} \right) \\ = \frac{5}{2} = 2\frac{1}{2} \end{aligned}$$

$$\begin{aligned} 2. \quad 8\frac{1}{2} \div \left( 2\frac{2}{3} \div 4\frac{2}{3} \right) \\ = \frac{119}{8} = 14\frac{7}{8} \end{aligned}$$

$$\begin{aligned} 5. \quad 1\frac{8}{9} \div \left( 1\frac{5}{9} \div 1\frac{1}{9} \right) \\ = \frac{85}{63} = 1\frac{22}{63} \end{aligned}$$

$$\begin{aligned} 8. \quad 4\frac{1}{4} \div \left( 1\frac{7}{10} \div 2\frac{3}{8} \right) \\ = \frac{95}{16} = 5\frac{15}{16} \end{aligned}$$

$$\begin{aligned} 3. \quad 2\frac{3}{5} \div \left( 1\frac{1}{2} \div 1\frac{1}{2} \right) \\ = \frac{13}{5} = 2\frac{3}{5} \end{aligned}$$

$$\begin{aligned} 6. \quad 2\frac{1}{5} \div 1\frac{1}{5} \div 1\frac{5}{7} \\ = \frac{77}{72} = 1\frac{5}{72} \end{aligned}$$

$$\begin{aligned} 9. \quad 2\frac{1}{5} \div \left( 1\frac{3}{5} \div 1\frac{1}{10} \right) \\ = \frac{121}{80} = 1\frac{41}{80} \end{aligned}$$