

Dividing Fractions (F)

Find the value of each expression in lowest terms.

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

4. $3\frac{4}{5} \div 1\frac{1}{2} \div 2\frac{3}{8}$

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

2. $3\frac{1}{3} \div 1\frac{7}{9} \div 1\frac{3}{8}$

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

8. $2\frac{5}{6} \div 3\frac{1}{3} \div 1\frac{3}{4}$

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

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

9. $1\frac{7}{10} \div 4\frac{1}{4} \div 1\frac{4}{7}$

Dividing Fractions (F) Answers

Find the value of each expression in lowest terms.

$$\begin{aligned} 1. \quad & 1\frac{1}{9} \div \left(2\frac{1}{4} \div 1\frac{1}{4}\right) \\ & = \frac{50}{81} \end{aligned}$$

$$\begin{aligned} 4. \quad & 3\frac{4}{5} \div 1\frac{1}{2} \div 2\frac{3}{8} \\ & = \frac{16}{15} = 1\frac{1}{15} \end{aligned}$$

$$\begin{aligned} 7. \quad & 8\frac{1}{2} \div \left(2\frac{1}{2} \div 3\frac{1}{2}\right) \\ & = \frac{119}{10} = 11\frac{9}{10} \end{aligned}$$

$$\begin{aligned} 2. \quad & 3\frac{1}{3} \div 1\frac{7}{9} \div 1\frac{3}{8} \\ & = \frac{15}{11} = 1\frac{4}{11} \end{aligned}$$

$$\begin{aligned} 5. \quad & 2\frac{1}{2} \div \left(2\frac{1}{9} \div 1\frac{1}{2}\right) \\ & = \frac{135}{76} = 1\frac{59}{76} \end{aligned}$$

$$\begin{aligned} 8. \quad & 2\frac{5}{6} \div 3\frac{1}{3} \div 1\frac{3}{4} \\ & = \frac{17}{35} \end{aligned}$$

$$\begin{aligned} 3. \quad & 2\frac{1}{5} \div \left(5\frac{1}{2} \div 2\frac{1}{9}\right) \\ & = \frac{38}{45} \end{aligned}$$

$$\begin{aligned} 6. \quad & 2\frac{1}{4} \div \left(3\frac{3}{5} \div 1\frac{5}{7}\right) \\ & = \frac{15}{14} = 1\frac{1}{14} \end{aligned}$$

$$\begin{aligned} 9. \quad & 1\frac{7}{10} \div 4\frac{1}{4} \div 1\frac{4}{7} \\ & = \frac{14}{55} \end{aligned}$$