

Dividing Fractions (E)

Find the value of each expression in lowest terms.

1. $1\frac{1}{3} \div \left(1\frac{1}{10} \div 1\frac{4}{5}\right)$

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

7. $2\frac{2}{9} \div \left(3\frac{1}{2} \div 4\frac{2}{3}\right)$

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

5. $1\frac{1}{2} \div 1\frac{8}{9} \div 3\frac{3}{4}$

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

3. $1\frac{1}{2} \div 1\frac{1}{6} \div 1\frac{2}{9}$

6. $1\frac{3}{8} \div \left(2\frac{1}{4} \div 1\frac{2}{3}\right)$

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

Dividing Fractions (E) Answers

Find the value of each expression in lowest terms.

$$\begin{aligned} 1. \quad & 1\frac{1}{3} \div \left(1\frac{1}{10} \div 1\frac{4}{5}\right) \\ & = \frac{24}{11} = 2\frac{2}{11} \end{aligned}$$

$$\begin{aligned} 4. \quad & 2\frac{1}{2} \div \left(3\frac{1}{6} \div 1\frac{1}{6}\right) \\ & = \frac{35}{38} \end{aligned}$$

$$\begin{aligned} 7. \quad & 2\frac{2}{9} \div \left(3\frac{1}{2} \div 4\frac{2}{3}\right) \\ & = \frac{80}{27} = 2\frac{26}{27} \end{aligned}$$

$$\begin{aligned} 2. \quad & 1\frac{1}{7} \div \left(2\frac{2}{3} \div 5\frac{1}{2}\right) \\ & = \frac{33}{14} = 2\frac{5}{14} \end{aligned}$$

$$\begin{aligned} 5. \quad & 1\frac{1}{2} \div 1\frac{8}{9} \div 3\frac{3}{4} \\ & = \frac{18}{85} \end{aligned}$$

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

$$\begin{aligned} 3. \quad & 1\frac{1}{2} \div 1\frac{1}{6} \div 1\frac{2}{9} \\ & = \frac{81}{77} = 1\frac{4}{77} \end{aligned}$$

$$\begin{aligned} 6. \quad & 1\frac{3}{8} \div \left(2\frac{1}{4} \div 1\frac{2}{3}\right) \\ & = \frac{55}{54} = 1\frac{1}{54} \end{aligned}$$

$$\begin{aligned} 9. \quad & 2\frac{1}{2} \div 2\frac{1}{2} \div 1\frac{3}{7} \\ & = \frac{7}{10} \end{aligned}$$