

Dividing Fractions

Find the value of each expression in lowest terms.

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

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

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

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

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

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

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

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

9. $4\frac{1}{3} \div 1\frac{1}{10} \div 1\frac{1}{3}$

Dividing Fractions Answers

Find the value of each expression in lowest terms.

$$\begin{aligned} 1. \quad & 9\frac{1}{2} \div 3\frac{1}{3} \div 1\frac{3}{5} \\ & = \frac{57}{32} = 1\frac{25}{32} \end{aligned}$$

$$\begin{aligned} 4. \quad & 2\frac{2}{9} \div \left(4\frac{1}{2} \div 4\frac{3}{4}\right) \\ & = \frac{190}{81} = 2\frac{28}{81} \end{aligned}$$

$$\begin{aligned} 7. \quad & 1\frac{1}{4} \div 1\frac{3}{10} \div 3\frac{3}{4} \\ & = \frac{10}{39} \end{aligned}$$

$$\begin{aligned} 2. \quad & 5\frac{1}{2} \div \left(5\frac{2}{3} \div 1\frac{1}{2}\right) \\ & = \frac{99}{68} = 1\frac{31}{68} \end{aligned}$$

$$\begin{aligned} 5. \quad & 1\frac{3}{7} \div \left(3\frac{2}{3} \div 1\frac{3}{8}\right) \\ & = \frac{15}{28} \end{aligned}$$

$$\begin{aligned} 8. \quad & 3\frac{3}{4} \div \left(7\frac{1}{2} \div 1\frac{2}{3}\right) \\ & = \frac{5}{6} \end{aligned}$$

$$\begin{aligned} 3. \quad & 3\frac{4}{5} \div 3\frac{1}{2} \div 3\frac{1}{5} \\ & = \frac{19}{56} \end{aligned}$$

$$\begin{aligned} 6. \quad & 1\frac{3}{5} \div \left(1\frac{3}{4} \div 1\frac{1}{4}\right) \\ & = \frac{8}{7} = 1\frac{1}{7} \end{aligned}$$

$$\begin{aligned} 9. \quad & 4\frac{1}{3} \div 1\frac{1}{10} \div 1\frac{1}{3} \\ & = \frac{65}{22} = 2\frac{21}{22} \end{aligned}$$