

Dividing Fractions (J)

Find the value of each expression in lowest terms.

1. $1\frac{8}{9} \div \frac{2}{3} \div \frac{13}{7}$

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

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

2. $\frac{14}{3} \div \frac{1}{10} \div \frac{7}{5}$

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

8. $\frac{5}{8} \div \left(2\frac{1}{8} \div 1\frac{4}{5}\right)$

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

6. $\frac{15}{8} \div \left(\frac{5}{9} \div \frac{13}{3}\right)$

9. $\frac{3}{7} \div \left(\frac{1}{4} \div \frac{19}{3}\right)$

Dividing Fractions (J) Answers

Find the value of each expression in lowest terms.

$$\begin{aligned} 1. \quad & 1\frac{8}{9} \div \frac{2}{3} \div \frac{13}{7} \\ & = \frac{119}{78} = 1\frac{41}{78} \end{aligned}$$

$$\begin{aligned} 4. \quad & \frac{8}{5} \div 3\frac{1}{6} \div \frac{2}{3} \\ & = \frac{72}{95} \end{aligned}$$

$$\begin{aligned} 7. \quad & \frac{1}{4} \div \left(\frac{1}{2} \div \frac{5}{6} \right) \\ & = \frac{5}{12} \end{aligned}$$

$$\begin{aligned} 2. \quad & \frac{14}{3} \div \frac{1}{10} \div \frac{7}{5} \\ & = \frac{100}{3} = 33\frac{1}{3} \end{aligned}$$

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

$$\begin{aligned} 8. \quad & \frac{5}{8} \div \left(2\frac{1}{8} \div 1\frac{4}{5} \right) \\ & = \frac{9}{17} \end{aligned}$$

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

$$\begin{aligned} 6. \quad & \frac{15}{8} \div \left(\frac{5}{9} \div \frac{13}{3} \right) \\ & = \frac{117}{8} = 14\frac{5}{8} \end{aligned}$$

$$\begin{aligned} 9. \quad & \frac{3}{7} \div \left(\frac{1}{4} \div \frac{19}{3} \right) \\ & = \frac{76}{7} = 10\frac{6}{7} \end{aligned}$$