

Dividing Fractions (J)

Find the value of each expression in lowest terms.

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

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

7. $2\frac{2}{3} \div 1\frac{1}{6} \div 1\frac{2}{9}$

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

5. $2\frac{4}{5} \div 2\frac{1}{2} \div 1\frac{1}{10}$

8. $1\frac{3}{4} \div 7\frac{1}{2} \div 2\frac{2}{5}$

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

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

9. $1\frac{1}{7} \div \left(3\frac{1}{2} \div 1\frac{5}{8}\right)$

Dividing Fractions (J) Answers

Find the value of each expression in lowest terms.

$$\begin{aligned} 1. \quad & 1\frac{5}{8} \div \left(2\frac{1}{5} \div 1\frac{2}{5} \right) \\ & = \frac{91}{88} = 1\frac{3}{88} \end{aligned}$$

$$\begin{aligned} 4. \quad & 1\frac{1}{4} \div \left(1\frac{2}{5} \div 1\frac{1}{2} \right) \\ & = \frac{75}{56} = 1\frac{19}{56} \end{aligned}$$

$$\begin{aligned} 7. \quad & 2\frac{2}{3} \div 1\frac{1}{6} \div 1\frac{2}{9} \\ & = \frac{144}{77} = 1\frac{67}{77} \end{aligned}$$

$$\begin{aligned} 2. \quad & 1\frac{1}{7} \div \left(4\frac{1}{2} \div 3\frac{1}{2} \right) \\ & = \frac{8}{9} \end{aligned}$$

$$\begin{aligned} 5. \quad & 2\frac{4}{5} \div 2\frac{1}{2} \div 1\frac{1}{10} \\ & = \frac{56}{55} = 1\frac{1}{55} \end{aligned}$$

$$\begin{aligned} 8. \quad & 1\frac{3}{4} \div 7\frac{1}{2} \div 2\frac{2}{5} \\ & = \frac{7}{72} \end{aligned}$$

$$\begin{aligned} 3. \quad & 3\frac{2}{3} \div \left(1\frac{1}{3} \div 1\frac{1}{2} \right) \\ & = \frac{33}{8} = 4\frac{1}{8} \end{aligned}$$

$$\begin{aligned} 6. \quad & 3\frac{1}{5} \div 4\frac{1}{2} \div 3\frac{1}{5} \\ & = \frac{2}{9} \end{aligned}$$

$$\begin{aligned} 9. \quad & 1\frac{1}{7} \div \left(3\frac{1}{2} \div 1\frac{5}{8} \right) \\ & = \frac{26}{49} \end{aligned}$$