Dividing Fractions (D)

Find the value of each expression in lowest terms.

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

2. $1\frac{4}{7} \div 1\frac{1}{10} \div 1\frac{1}{3}$

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

4. $2\frac{2}{9} \div 1\frac{3}{4} \div 1\frac{3}{7}$

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

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

7. $1\frac{1}{10} \div \left(1\frac{9}{10} \div 3\frac{3}{4}\right)$

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

9. $1\frac{4}{5} \div \left(2\frac{4}{5} \div 4\frac{1}{2}\right)$

Dividing Fractions (D) Answers

Find the value of each expression in lowest terms.

1. $3\frac{1}{2} \div 1\frac{1}{9} \div 1\frac{1}{8}$
$= \frac{14}{5} = 2\frac{4}{5}$

2. $1\frac{4}{7} \div 1\frac{1}{10} \div 1\frac{1}{3}$
$= \frac{15}{14} = 1\frac{1}{14}$

3. $2\frac{1}{2} \div 1\frac{2}{7} \div 4\frac{1}{2}$
$= \frac{35}{81}$

4. $2\frac{2}{9} \div 1\frac{3}{4} \div 1\frac{3}{7}$
$= \frac{8}{9}$

5. $2\frac{1}{4} \div \left(2\frac{1}{2} \div 1\frac{4}{5}\right)$
$= \frac{81}{50} = 1\frac{31}{50}$

6. $2\frac{2}{3} \div 6\frac{1}{3} \div 2\frac{2}{5}$
$= \frac{10}{57}$

7. $1\frac{1}{10} \div \left(1\frac{9}{10} \div 3\frac{3}{4}\right)$
$= \frac{165}{76} = 2\frac{13}{76}$

8. $1\frac{1}{5} \div \left(2\frac{2}{5} \div 3\frac{1}{2}\right)$
$= \frac{7}{4} = 1\frac{3}{4}$

9. $1\frac{4}{5} \div \left(2\frac{4}{5} \div 4\frac{1}{2}\right)$
$= \frac{81}{28} = 2\frac{25}{28}$