Dividing Fractions (H)

Find the value of each expression in lowest terms.

1. $1\frac{7}{10} \div \frac{4}{5} \div \frac{6}{7}$

2. $\frac{20}{7} \div \frac{9}{2} \div \frac{2}{5}$

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

4. $\frac{6}{7} \div \left(2\frac{2}{5} \div \frac{1}{10}\right)$

5. $\frac{17}{2} \div \left(6\frac{2}{3} \div 1\frac{1}{4}\right)$

6. $9\frac{1}{2} \div \frac{5}{2} \div \frac{15}{7}$

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

8. $\frac{2}{5} \div \left(\frac{4}{3} \div \frac{19}{6}\right)$

9. $\frac{3}{5} \div \frac{3}{7} \div \frac{3}{8}$

Dividing Fractions (H) Answers

Find the value of each expression in lowest terms.

1. $1\frac{7}{10} \div \frac{4}{5} \div \frac{6}{7}$
$= \frac{119}{48} = 2\frac{23}{48}$

2. $\frac{20}{7} \div \frac{9}{2} \div \frac{2}{5}$
$= \frac{100}{63} = 1\frac{37}{63}$

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

4. $\frac{6}{7} \div \left(2\frac{2}{5} \div \frac{1}{10}\right)$
$= \frac{1}{28}$

5. $\frac{17}{2} \div \left(6\frac{2}{3} \div 1\frac{1}{4}\right)$
$= \frac{51}{32} = 1\frac{19}{32}$

6. $9\frac{1}{2} \div \frac{5}{2} \div \frac{15}{7}$
$= \frac{133}{75} = 1\frac{58}{75}$

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

8. $\frac{2}{5} \div \left(\frac{4}{3} \div \frac{19}{6}\right)$
$= \frac{19}{20}$

9. $\frac{3}{5} \div \frac{3}{7} \div \frac{3}{8}$
$= \frac{56}{15} = 3\frac{11}{15}$