Factoring - Simplifying Fraction Division with Factors - Composite to Simplified

Name

1 Use factorization to simplify

$$\frac{10}{3} \div \frac{12}{9}$$

A $\dfrac{2}{3}$ B $\dfrac{5}{2}$ C $\dfrac{3}{5}$
D $\dfrac{3}{2}$ E $\dfrac{3}{4}$ F $\dfrac{2}{7}$

2 Use factorization to simplify

$$\frac{10}{1} \div \frac{84}{14}$$

A $\dfrac{7}{2}$ B $\dfrac{7}{8}$ C $\dfrac{5}{7}$
D $\dfrac{5}{3}$ E $\dfrac{7}{3}$ F $\dfrac{3}{5}$

3 Use factorization to simplify

$$\frac{35}{1} \div \frac{90}{6}$$

A $\dfrac{5}{2}$ B $\dfrac{5}{7}$ C $\dfrac{7}{8}$
D $\dfrac{7}{3}$ E $\dfrac{3}{4}$ F $\dfrac{7}{2}$

4 Use factorization to simplify

$$\frac{5}{35} \div \frac{14}{70}$$

A $\dfrac{7}{5}$ B $\dfrac{3}{2}$ C $\dfrac{5}{7}$
D $\dfrac{3}{4}$ E $\dfrac{2}{3}$ F $\dfrac{2}{7}$

5 Use factorization to simplify

$$\frac{12}{6} \div \frac{6}{5}$$

A $\dfrac{7}{5}$ B $\dfrac{5}{3}$ C $\dfrac{5}{6}$
D $\dfrac{2}{5}$ E $\dfrac{7}{2}$ F $\dfrac{2}{3}$

6 Use factorization to simplify

$$\frac{9}{63} \div \frac{3}{9}$$

A $\dfrac{7}{2}$ B $\dfrac{3}{7}$ C $\dfrac{3}{2}$
D $\dfrac{7}{5}$ E $\dfrac{5}{7}$ F $\dfrac{5}{6}$

7 Use factorization to simplify

$$\frac{14}{98} \div \frac{3}{15}$$

A $\dfrac{5}{7}$ B $\dfrac{2}{7}$ C $\dfrac{2}{3}$
D $\dfrac{7}{8}$ E $\dfrac{2}{5}$ F $\dfrac{5}{3}$

8 Use factorization to simplify

$$\frac{18}{9} \div \frac{14}{5}$$

A $\dfrac{5}{7}$ B $\dfrac{7}{2}$ C $\dfrac{3}{5}$
D $\dfrac{5}{2}$ E $\dfrac{5}{6}$ F $\dfrac{2}{3}$

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