



## Factoring - Simplifying Fractions with Factors - Composite to Simplified

1 Use factorization to simplify this fraction

$$\frac{35 \times 21}{45 \times 7}$$

A  $\frac{3}{4}$

B  $\frac{2}{3}$

C  $\frac{7}{8}$

D  $\frac{5}{3}$

E  $\frac{7}{3}$

F  $\frac{3}{2}$

2 Use factorization to simplify this fraction

$$\frac{6 \times 14}{9 \times 4}$$

A  $\frac{3}{2}$

B  $\frac{7}{8}$

C  $\frac{2}{5}$

D  $\frac{7}{2}$

E  $\frac{7}{3}$

F  $\frac{5}{7}$

3 Use factorization to simplify this fraction

$$\frac{63 \times 3}{9 \times 6}$$

A  $\frac{2}{5}$

B  $\frac{7}{2}$

C  $\frac{7}{5}$

D  $\frac{7}{8}$

E  $\frac{5}{7}$

F  $\frac{3}{2}$

4 Use factorization to simplify this fraction

$$\frac{2 \times 28}{14 \times 10}$$

A  $\frac{3}{7}$

B  $\frac{2}{3}$

C  $\frac{2}{5}$

D  $\frac{5}{7}$

E  $\frac{7}{8}$

F  $\frac{7}{2}$

5 Use factorization to simplify this fraction

$$\frac{10 \times 35}{21 \times 25}$$

A  $\frac{3}{2}$

B  $\frac{7}{8}$

C  $\frac{2}{7}$

D  $\frac{3}{7}$

E  $\frac{5}{6}$

F  $\frac{2}{3}$

6 Use factorization to simplify this fraction

$$\frac{4 \times 14}{2 \times 12}$$

A  $\frac{2}{5}$

B  $\frac{2}{7}$

C  $\frac{5}{3}$

D  $\frac{2}{3}$

E  $\frac{7}{3}$

F  $\frac{7}{8}$

7 Use factorization to simplify this fraction

$$\frac{9 \times 35}{42 \times 3}$$

A  $\frac{7}{5}$

B  $\frac{5}{3}$

C  $\frac{5}{2}$

D  $\frac{3}{2}$

E  $\frac{3}{4}$

F  $\frac{2}{3}$

8 Use factorization to simplify this fraction

$$\frac{35 \times 10}{75 \times 7}$$

A  $\frac{7}{5}$

B  $\frac{5}{6}$

C  $\frac{3}{7}$

D  $\frac{7}{8}$

E  $\frac{2}{5}$

F  $\frac{2}{3}$