



Factoring - Simplifying Fraction

Multiplication with Factors - Factored to Simplified

1 Use factorization to simplify

$$\frac{3}{7} \times \frac{2 \times 7 \times 7}{2 \times 3 \times 3}$$

- A $\frac{7}{8}$ B $\frac{7}{3}$ C $\frac{2}{3}$ D $\frac{3}{5}$ E $\frac{5}{6}$ F $\frac{7}{5}$

2 Use factorization to simplify

$$\frac{2 \times 5}{5} \times \frac{3 \times 5}{2 \times 3 \times 7}$$

- A $\frac{2}{3}$ B $\frac{5}{2}$ C $\frac{3}{7}$ D $\frac{5}{7}$ E $\frac{5}{3}$ F $\frac{2}{5}$

3 Use factorization to simplify

$$\frac{3 \times 3}{3} \times \frac{3 \times 7}{3 \times 3 \times 5}$$

- A $\frac{2}{7}$ B $\frac{5}{3}$ C $\frac{5}{2}$ D $\frac{2}{5}$ E $\frac{7}{2}$ F $\frac{7}{5}$

4 Use factorization to simplify

$$\frac{2}{3 \times 5} \times \frac{2 \times 3 \times 5}{2 \times 5}$$

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

5 Use factorization to simplify

$$\frac{2 \times 3 \times 5}{3 \times 3} \times \frac{2}{2 \times 5}$$

- A $\frac{3}{4}$ B $\frac{2}{3}$ C $\frac{3}{7}$ D $\frac{5}{6}$ E $\frac{5}{3}$ F $\frac{3}{2}$

6 Use factorization to simplify

$$\frac{2 \times 3}{2 \times 3 \times 3} \times \frac{2 \times 7}{7}$$

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

7 Use factorization to simplify

$$\frac{3}{5 \times 5} \times \frac{2 \times 5 \times 5}{3 \times 5}$$

- A $\frac{5}{3}$ B $\frac{2}{5}$ C $\frac{5}{6}$ D $\frac{3}{4}$ E $\frac{7}{2}$ F $\frac{2}{7}$

8 Use factorization to simplify

$$\frac{5 \times 5}{3 \times 5 \times 5} \times \frac{3 \times 5}{2}$$

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