



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

1 Simplify this fraction by cancelling identical terms on top and bottom

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

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

2 Simplify this fraction by cancelling identical terms on top and bottom

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

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

3 Simplify this fraction by cancelling identical terms on top and bottom

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

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

4 Simplify this fraction by cancelling identical terms on top and bottom

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

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

5 Simplify this fraction by cancelling identical terms on top and bottom

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

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

6 Simplify this fraction by cancelling identical terms on top and bottom

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

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

7 Simplify this fraction by cancelling identical terms on top and bottom

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

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

8 Simplify this fraction by cancelling identical terms on top and bottom

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

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