



Factoring - Simplifying Fractions with Factors - Composite to Factored

1

$$\frac{25 \times 14}{2 \times 70}$$

Use factorization to show what factors in this fraction can be cancelled out

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

2

$$\frac{10 \times 10}{5 \times 30}$$

Use factorization to show what factors in this fraction can be cancelled out

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

3

$$\frac{35 \times 15}{21 \times 10}$$

Use factorization to show what factors in this fraction can be cancelled out

A	B
$\frac{5 \times 7 \times 3 \times 5}{3 \times 7 \times 2 \times 5}$	$\frac{2 \times 7 \times 3 \times 5}{3 \times 11 \times 3 \times 5}$

4

$$\frac{98 \times 5}{49 \times 4}$$

Use factorization to show what factors in this fraction can be cancelled out

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

5

$$\frac{30 \times 2}{14 \times 6}$$

Use factorization to show what factors in this fraction can be cancelled out

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

6

$$\frac{25 \times 49}{14 \times 35}$$

Use factorization to show what factors in this fraction can be cancelled out

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

7

$$\frac{6 \times 21}{84}$$

Use factorization to show what factors in this fraction can be cancelled out

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

8

$$\frac{49 \times 25}{50 \times 7}$$

Use factorization to show what factors in this fraction can be cancelled out

A	B
$\frac{7 \times 7 \times 5 \times 5}{2 \times 13 \times 5 \times 7}$	$\frac{7 \times 7 \times 5 \times 5}{2 \times 5 \times 5 \times 7}$