



Math worksheet on 'Factoring - Simplifying Fractions with Factors - Composite to Simplified (Level 2)'.
Part of a broader unit on 'Factoring, Multiplication, Division, Fractions - Intro'

Learn online:

app.mobius.academy/math/units/factoring_multiplication_division_fractions_intro/

1 Use factorization to simplify this fraction

$$\frac{90 \times 15}{45 \times 2 \times 10}$$

a $\frac{7}{5}$	b $\frac{2}{3}$	c $\frac{2}{7}$
d $\frac{5}{2}$	e $\frac{3}{2}$	f $\frac{3}{4}$

2 Use factorization to simplify this fraction

$$\frac{25 \times 3 \times 30}{6 \times 75 \times 2}$$

a $\frac{2}{3}$	b $\frac{7}{2}$	c $\frac{5}{3}$
d $\frac{5}{2}$	e $\frac{2}{7}$	f $\frac{5}{7}$

3 Use factorization to simplify this fraction

$$\frac{5 \times 25 \times 42}{2 \times 75 \times 49}$$

a $\frac{2}{3}$	b $\frac{7}{8}$	c $\frac{2}{5}$
d $\frac{7}{3}$	e $\frac{5}{7}$	f $\frac{5}{3}$

4 Use factorization to simplify this fraction

$$\frac{10 \times 15 \times 14}{90 \times 35}$$

a $\frac{2}{3}$	b $\frac{3}{4}$	c $\frac{7}{8}$	d $\frac{7}{5}$	e $\frac{5}{7}$	f $\frac{2}{5}$
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5 Use factorization to simplify this fraction

$$\frac{21 \times 24}{4 \times 7 \times 12}$$

a $\frac{3}{5}$	b $\frac{2}{3}$	c $\frac{3}{4}$
d $\frac{5}{3}$	e $\frac{2}{7}$	f $\frac{3}{2}$

6 Use factorization to simplify this fraction

$$\frac{42 \times 63}{18 \times 7 \times 14}$$

a $\frac{3}{5}$	b $\frac{5}{3}$	c $\frac{7}{8}$
d $\frac{5}{2}$	e $\frac{3}{4}$	f $\frac{3}{2}$

7 Use factorization to simplify this fraction

$$\frac{28 \times 20}{70 \times 4 \times 7}$$

a $\frac{2}{3}$	b $\frac{2}{5}$	c $\frac{3}{4}$
d $\frac{3}{7}$	e $\frac{5}{7}$	f $\frac{2}{7}$