



Math worksheet on 'Factoring - Simplifying Fraction Multiplication with Factors - Composite to Simplified (Level 1)'. Part of a broader unit on 'Factoring, Multiplication, Division, Fractions - Practice'

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1 Use factorization to simplify

$$\frac{5}{75} \times \frac{18}{3}$$

a	$\frac{5}{3}$	b	$\frac{2}{3}$	c	$\frac{2}{7}$
d	$\frac{2}{5}$	e	$\frac{5}{6}$	f	$\frac{5}{7}$

2 Use factorization to simplify

$$\frac{14}{1} \times \frac{15}{84}$$

a	$\frac{2}{5}$	b	$\frac{7}{5}$	c	$\frac{5}{6}$
d	$\frac{7}{3}$	e	$\frac{5}{7}$	f	$\frac{5}{2}$

3 Use factorization to simplify

$$\frac{45}{9} \times \frac{3}{25}$$

a	$\frac{5}{6}$	b	$\frac{2}{7}$	c	$\frac{5}{3}$
d	$\frac{2}{3}$	e	$\frac{3}{7}$	f	$\frac{3}{5}$

4 Use factorization to simplify

$$\frac{40}{70} \times \frac{1}{2}$$

a	$\frac{5}{6}$	b	$\frac{2}{3}$	c	$\frac{5}{3}$
d	$\frac{2}{7}$	e	$\frac{3}{7}$	f	$\frac{7}{2}$

5 Use factorization to simplify

$$\frac{21}{42} \times \frac{6}{5}$$

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

6 Use factorization to simplify

$$\frac{7}{14} \times \frac{42}{6}$$

a	$\frac{2}{5}$	b	$\frac{3}{4}$	c	$\frac{7}{3}$
d	$\frac{7}{2}$	e	$\frac{5}{6}$	f	$\frac{3}{7}$

7 Use factorization to simplify

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

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