



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

Learn online:

app.mobius.academy/math/units/factoring_multiplication_division_fractions_advanced

1 Use factorization to simplify

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

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

2 Use factorization to simplify

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

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

3 Use factorization to simplify

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

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

4 Use factorization to simplify

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

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

5 Use factorization to simplify

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

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

6 Use factorization to simplify

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

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

7 Use factorization to simplify

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

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