



Math worksheet on 'Factoring - Simplifying Fraction Division 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

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

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

2

Use factorization to simplify

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

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

3

Use factorization to simplify

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

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

4

Use factorization to simplify

$$\frac{2 \times 2 \times 2 \times 5}{2 \times 2 \times 7} \div \frac{2}{1}$$

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

5

Use factorization to simplify

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

a	b	c	d	e	f
$\frac{2}{5}$	$\frac{7}{8}$	$\frac{5}{3}$	$\frac{3}{5}$	$\frac{5}{6}$	$\frac{3}{4}$

6

Use factorization to simplify

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

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

7

Use factorization to simplify

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

a	b	c	d	e	f
$\frac{5}{2}$	$\frac{5}{3}$	$\frac{5}{6}$	$\frac{3}{2}$	$\frac{7}{8}$	$\frac{7}{2}$