



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

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1 Simplify this fraction by cancelling identical terms on top and bottom

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

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

2 Simplify this fraction by cancelling identical terms on top and bottom

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

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

3 Simplify this fraction by cancelling identical terms on top and bottom

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

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

4 Simplify this fraction by cancelling identical terms on top and bottom

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

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

5 Simplify this fraction by cancelling identical terms on top and bottom

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

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

6 Simplify this fraction by cancelling identical terms on top and bottom

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

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

7 Simplify this fraction by cancelling identical terms on top and bottom

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

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