

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

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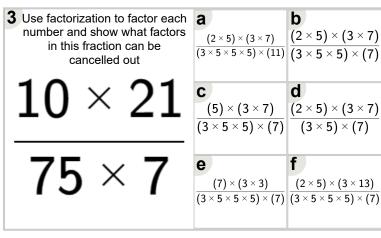
app.mobius.academy/math/units/factoring\_multiplication\_division\_fractions\_intro/

2 Use factorization to factor each number and show what factors in this fraction can be cancelled out		$ \begin{array}{l} \textbf{b} \\ (2 \times 7) \times (5 \times 7) \\ \hline (5) \times (2 \times 5 \times 7) \end{array} $
14 × 35	$ \begin{array}{c} \mathbf{C} \\ (2 \times 7 \times 7) \times (7) \\ \hline (5) \times (2 \times 7) \end{array} $	$ \frac{\mathbf{d}}{(7 \times 7 \times 7) \times (5 \times 7)} $ $ (5) \times (2 \times 7) $
5 × 70		$ \frac{\mathbf{f}}{(2 \times 7 \times 7) \times (7)} $ $ \frac{(5) \times (2 \times 7)}{(5) \times (2 \times 7)} $

4 Use factorization to factor each number and show what factors in this fraction can be cancelled out	$(2\times3\times5)\times(7)$	d
<u> </u>	$\frac{(5)\times(2\times7\times7)}{(2\times3\times2)\times(7)}$	$\frac{(2)\times(2\times5\times7)}{(2\times3\times5)\times(7\times7)}$
30 × 7		$ \frac{\mathbf{f}}{(5) \times (2 \times 7 \times 7)} $ $ \frac{(11 \times 3 \times 5) \times (7)}{(11 \times 3 \times 5) \times (7)} $

6 Use factorization to factor each number and show what factors in this fraction can be cancelled out		b
10 × 4	$ \begin{array}{c} \textbf{C} \\ (2 \times 5) \times (7 \times 2 \times 2) \\ \hline (2) \times (2 \times 2 \times 5 \times 7) \end{array} $	$\frac{d}{(2\times3)\times(2\times2)}$ $(3)\times(5\times5)$
2 × 50		

1 Use factorization to factor each number and show what factors in this fraction can be cancelled out	$ \frac{(2 \times 7 \times 7) \times (5)}{(2) \times (2 \times 2 \times 5 \times 3)} $	$ b $ $ (2 \times 3 \times 7) \times (5) $ $ (2) \times (2 \times 5 \times 7) $
42 × 5		$\frac{\mathbf{d}}{\frac{(11 \times 3 \times 3 \times 7) \times (13)}{(2) \times (2 \times 2 \times 11)}}$
2 × 70	$ \frac{(2 \times 3 \times 7) \times (5)}{(3) \times (2 \times 5)} $	



5 Use factorization to factor each number and show what factors in this fraction can be cancelled out	$ \frac{\mathbf{a}}{(2) \times (3 \times 5)} \\ (3 \times 5) \times (3) $	$ b $ $ (2 \times 3) \times (3) $ $ (3 \times 3 \times 5) \times (3) $
$0 \times 12$		$ \frac{(2\times3)\times(3\times5)}{(3\times3\times5)\times(3)} $
45 × 3		

