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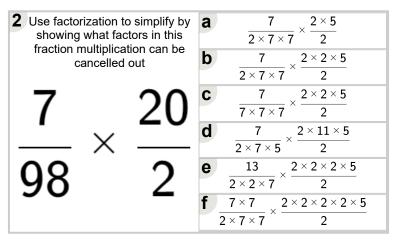


Math worksheet on 'Factoring - Simplifying Fraction Multiplication with Factors - Composite to Factored (Level 1)'. Part of a broader unit on 'Factoring, Multiplication, Division, Fractions - Advanced'

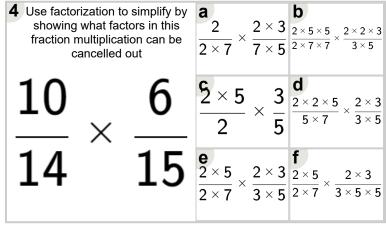
Learn online:

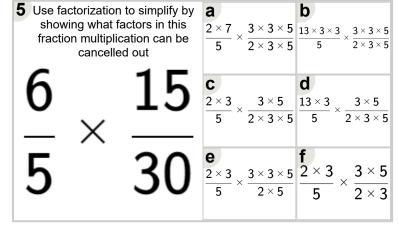
app.mobius.academy/math/units/factoring multiplication division fractions advanced

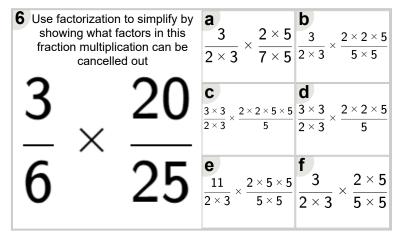
Use factorization to simplify by showing what factors in this fraction multiplication can be cancelled out		$\frac{\mathbf{a}}{\frac{7\times7}{2\times7}}\times\frac{2\times5}{5}$	$\frac{\mathbf{b}}{\frac{2\times7}{3\times7}}\times\frac{7\times5}{5}$
14 — ×	10	$\frac{\mathbf{C}}{\frac{2\times7}{2\times3\times7}\times\frac{2\times5}{5}}$	$\frac{d}{\frac{7}{3\times7\times7}}\times\frac{2\times5}{5}$
42	5	$\frac{2}{2 \times 3 \times 7} \times \frac{2 \times 5}{5}$	$ \frac{2 \times 7}{2 \times 3 \times 3 \times 13} \times \frac{2 \times 5}{5} $



showing v fraction m	zation to simplify by what factors in this aultiplication can be incelled out	$\frac{5 \times 7}{3} \times \frac{2 \times 11}{2 \times 5 \times 5 \times 7}$	$\frac{\mathbf{b}}{7} \times \frac{2}{2 \times 5 \times 3}$
49	$\times \frac{14}{}$	$\frac{\mathbf{C}}{\frac{7\times7}{7}}\times\frac{7}{2\times5\times7}$	$\frac{\mathbf{d}}{\frac{7\times7}{7}} \times \frac{2\times7\times7}{2\times5\times7\times7}$
7	70	$\frac{\mathbf{e}}{\frac{7\times7}{7}}\times\frac{2\times7}{2\times5\times7}$	$\frac{\mathbf{f}}{\frac{11 \times 7 \times 7}{7}} \times \frac{2 \times 7}{2 \times 5 \times 5}$







7 Use factorization to simplify by showing what factors in this fraction multiplication can be cancelled out	$ \begin{array}{c c} \mathbf{a} & \mathbf{b} \\ \frac{3}{2 \times 3 \times 7} \times \frac{2 \times 2 \times 2}{2} & \frac{3}{2 \times 5 \times 7} \times \frac{2 \times 2 \times 3}{2} \end{array} $	
3 × 12	$ \begin{array}{c c} \mathbf{C} & \mathbf{d} \\ \frac{11}{2\times3\times7} \times \frac{2\times2\times2\times3}{2} & \frac{2}{2\times3\times7} \times \frac{2\times2}{2} \end{array} $	
42 2	$ \frac{3}{2 \times 3 \times 7} \times \frac{2 \times 2 \times 3}{2} = \frac{5}{2 \times 3 \times 3 \times 7} \times \frac{2 \times 11}{2} $	