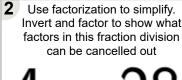


Math worksheet on 'Factoring - Simplifying Fi Division with Factors - Composite to Factored 1)'. Part of a broader unit on 'Factoring, Multip Division, Fractions - Advanced'

Learn online:

app.mobius.academy/math/units/factoring multiplication division fraction

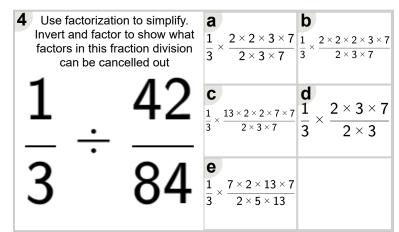
US	1 Use factorization to simplify Invert and factor to show who factors in this fraction divisio can be cancelled out	at 3×7 3×5 3×7 3×5
Fraction d (Level olication	$\frac{21}{2}$ \div $\frac{1}{2}$	$ \begin{array}{c c} \mathbf{C} & \mathbf{d} \\ \frac{3 \times 7}{2 \times 3 \times 3 \times 5} \times \frac{5}{1} & \frac{3 \times 7}{2 \times 3 \times 5} \times \frac{3 \times 5}{1} \end{array} $
ns advanceç	90 15	$ \begin{array}{c c} \mathbf{e} & \mathbf{f} \\ \frac{11 \times 7}{2 \times 3 \times 13 \times 5} \times \frac{3 \times 5}{1} & \frac{3 \times 7}{2 \times 3 \times 3 \times 3 \times 5} \times \frac{7 \times 5}{3} \end{array} $

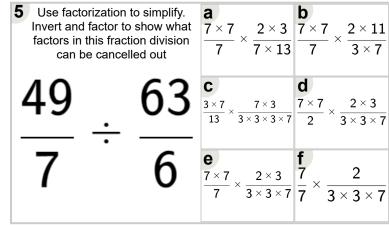


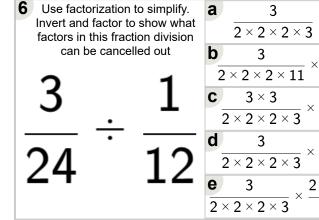
$$\frac{4}{5} \div \frac{28}{14}$$

t	а	$\frac{2\times2}{5}\times\frac{2\times7}{2\times2\times7}$
1	b	$\frac{2\times2\times11}{11}\times\frac{2\times7}{11\times2\times2\times7}$
	С	$\frac{2\times2}{5}\times\frac{2\times2\times7}{2\times2\times7}$
-	d	$\frac{7 \times 2 \times 2}{5} \times \frac{2 \times 7 \times 7}{2 \times 2 \times 13}$
	$\begin{array}{ccc} \bullet & \frac{5}{5} \times \frac{2 \times 2 \times 13}{11 \times 2 \times 2 \times 13} \end{array}$	
'	f	$\frac{5\times2}{2}\times\frac{2\times7}{2\times7}$

3 Use factorization to simplify. Invert and factor to show what factors in this fraction division can be cancelled out	$\frac{\mathbf{a}}{3\times7}\times\frac{3}{3}$	$\frac{\mathbf{b}}{\overset{2\times 3\times 7}{3\times 7}}\times \frac{3}{3\times 3}$
42 <u>+ 9</u>	$\frac{\mathbf{C}}{\frac{2 \times 2 \times 3 \times 7}{3 \times 3}} \times \frac{3}{3 \times 3}$	$\frac{2 \times 2 \times 3 \times 7}{3 \times 7} \times \frac{3}{3 \times 3 \times 2}$
21 3	$\frac{\mathbf{e}}{\frac{2 \times 2 \times 13 \times 7}{3 \times 7}} \times \frac{3}{3 \times 3}$	$ \frac{\mathbf{f}}{\frac{2 \times 2 \times 13 \times 7}{3 \times 7}} \times \frac{3}{3 \times 3} $







7 Use factorization to s Invert and factor to sh factors in this fraction can be cancelled		
35 .		
$\overline{63}$ $\overline{2}$		

7 Use factorization to simplify.	a b 7 2
Invert and factor to show what factors in this fraction division can be cancelled out	$\frac{\mathbf{a}}{\frac{5\times7}{3\times3\times7\times7}\times\frac{3\times7}{7}}\frac{\mathbf{b}\times7}{3\times3}\times\frac{3}{7}$
35 _ 7	$ \frac{\mathbf{c}}{\frac{7}{3 \times 7 \times 7} \times \frac{3 \times 7}{5}} \frac{\mathbf{d}}{\frac{5 \times 7 \times 7}{3 \times 3 \times 13} \times \frac{3 \times 7}{7}} $
63 21	$ \frac{5 \times 7}{3 \times 3 \times 7} \times \frac{3 \times 7}{7} $