Name:			

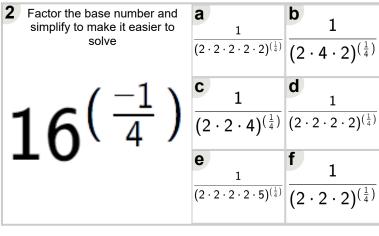


Math worksheet on 'Exponents - Negative Fractiona Exponents with Square Integer Base - Exponent to Factored Exponent (Level 2)'. Part of a broader unit o 'Exponents - Fractional Bases and Exponents - Practice'

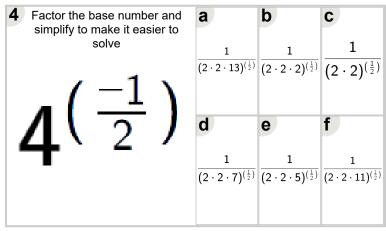
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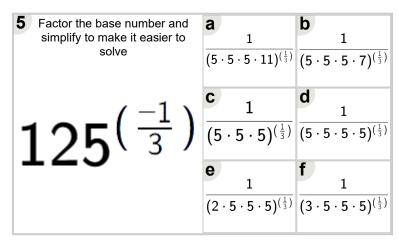
app.mobius.academy/math/units/exponents fractional bases and exponents practic

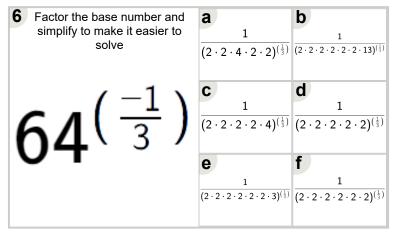
Factor the base number and simplify to make it easier to solve	$\frac{\mathbf{a}}{(3\cdot 3\cdot 3)^{(\frac{1}{4})}}$	$\frac{1}{(3\cdot 3\cdot 3\cdot 3\cdot 11)^{(\frac{1}{4})}}$
$81^{\left(\frac{-1}{4}\right)}$	$\frac{\mathbf{c}}{(3\cdot 3\cdot 9)^{(\frac{1}{4})}}$	$\frac{d}{(3\cdot 9\cdot 3)^{(\frac{1}{4})}}$
	$\frac{1}{(3 \cdot 3 \cdot 3 \cdot 3 \cdot 5)^{(\frac{1}{4})}}$	$\frac{1}{(3\cdot 3\cdot 3\cdot 3)^{(\frac{1}{4})}}$



Factor the base number and simplify to make it easier to solve	$ \begin{array}{c c} & 1 \\ \hline (2 \cdot 2 \cdot 2 \cdot 3 \cdot 3 \cdot 3 \cdot 11)^{(\frac{1}{3})} \end{array} $	$\frac{1}{(2 \cdot 2 \cdot 2 \cdot 9 \cdot 3)^{(\frac{1}{3})}}$
$216^{\left(\frac{-1}{3}\right)}$	$\frac{1}{(2\cdot 2\cdot 3\cdot 3\cdot 3)^{(\frac{1}{3})}}$	$ \frac{1}{(2 \cdot 2 \cdot 2 \cdot 2 \cdot 3 \cdot 3 \cdot 3)^{(\frac{1}{3})}} $
	$\frac{1}{(2\cdot 2\cdot 2\cdot 3\cdot 3\cdot 3)^{\left(\frac{1}{3}\right)}}$	$\frac{1}{(2 \cdot 2 \cdot 2 \cdot 3 \cdot 3 \cdot 3 \cdot 13)^{(\frac{1}{2})}}$







7 Factor the base number and simplify to make it easier to solve	$\frac{1}{(3\cdot 3)^{(\frac{1}{2})}}$	$\frac{1}{(3 \cdot 3 \cdot 7)^{(\frac{1}{2})}}$	$\frac{1}{(3\cdot 3\cdot 3)^{(\frac{1}{2})}}$
$9^{(\frac{2}{2})}$	$\frac{1}{(3\cdot 3\cdot 5)^{(\frac{1}{2})}}$	$\frac{1}{(3\cdot 3\cdot 11)^{(\frac{1}{2})}}$	$\frac{1}{(3\cdot 3\cdot 13)^{\left(\frac{1}{2}\right)}}$