Mobius Math Club

b

Name:

1 Solve for the missing exponent (?) in reduced

form

 $64^n = 4^?$

a b c d e f ? = 3n ? = $\frac{3}{3n}$? = 7n ? = n ? = $\frac{3n}{3}$? = 4n

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Math worksheet on 'Exponents - Power Law -Composite Base with Variable Power to Prime Base with Unknown Power (Level 1)'. Part of a broader unit on 'Exponents - Negative, Fractional, and Power Law'

Learn online:

app.mobius.academy/math/units/exponents negatives fractions and power law/

² Solve for the missing exponent (?) in reduced form

$$4^{n} = 2^{?} \stackrel{a}{\xrightarrow{1}} \stackrel{b}{=} \frac{2n}{1} \stackrel{c}{=} \frac{2n}{1} \stackrel{c}{=} \frac{2n}{1} \stackrel{c}{=} \frac{3n}{1} \stackrel{b}{=} \frac{3n}{1} \stackrel{b}{=} \frac{2n}{1} \stackrel{c}{=} \frac{3n}{1} \stackrel{b}{=} \frac{2n}{1} \stackrel{c}{=} \frac{3n}{1} \stackrel{b}{=} \frac{2n}{1} \stackrel{c}{=} \frac{2n}{1} \stackrel{c}{=} \frac{3n}{1} \stackrel{c}{=} \frac{3n}{1} \stackrel{c}{=} \frac{3n}{1} \stackrel{c}{=} \frac{2n}{1} \stackrel{c}{=} \frac{2n}{1} \stackrel{c}{=} \frac{2n}{1} \stackrel{c}{=} \frac{3n}{1} \stackrel{c}{=} \frac{3n}{1} \stackrel{c}{=} \frac{3n}{1} \stackrel{c}{=} \frac{3n}{1} \stackrel{c}{=} \frac{3n}{1} \stackrel{c}{=} \frac{3n}{1} \stackrel{c}{=} \frac{2n}{1} \stackrel{c}{=} \frac{2n}{1} \stackrel{c}{=} \frac{3n}{1} \stackrel{c}{=}$$