Name:				



Math worksheet on 'Logarithms - Meaning, Equation to Words as Values (Fractions) (Level 1)'. Part of a broader unit on 'Logarithms - Intro'

Learn online: app.mobius.academy/math/units/logarithms intro/

log
$$\frac{1}{6}$$
 $\frac{1}{36}$ = $2^{\text{What does the logarithm equation mean?}}$

$$\mathbf{a}_{\text{To result in }\frac{1}{36}, \text{ you would raise }\frac{1}{6} \text{ to the power of 2}}$$

$$\mathbf{b}_{\text{To result in }\frac{1}{6}, \text{ you would raise 2 to the power of }\frac{1}{36}}$$

What does the logarithm equation mean?
$$\frac{1}{3} = 3$$
To result in 3, you would raise $\frac{1}{27}$ to the power of $\frac{1}{3}$

To result in $\frac{1}{27}$, you would raise $\frac{1}{3}$ to the power of 3

What does the logarithm equation mean?
$$\frac{1}{7} \frac{1}{49} = 2^{\frac{1}{40} \operatorname{result in 2, you would}}$$

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$$\frac{1}{7} \frac{1}{7} = 2^{\frac{1}{7} \operatorname{to the power of 2}}$$

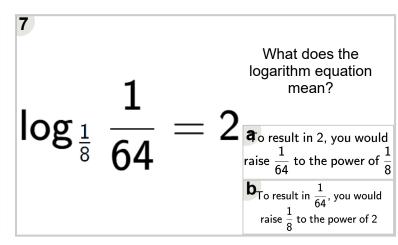
log
$$\frac{1}{2}$$
 $\frac{1}{8}$ = $3^{\frac{1}{8}, \text{ you would raise } \frac{1}{2} \text{ to the power of } 3}$

log
$$\frac{1}{10}$$
 $\frac{1}{1,000}$ = $3^{\frac{1}{1000}}$ What does the logarithm equation mean? $3^{\frac{1}{1000}}$ $\frac{1}{1,000}$, you would raise 3 to the power of $\frac{1}{1000}$ $\frac{1}{1000}$, you would raise $\frac{1}{10}$ to the power of 3

$$\log_{\frac{1}{5}} \frac{1}{25} = 2^{\text{What does the logarithm equation mean?}}$$

$$\mathbf{a}_{\text{To result in } \frac{1}{25}, \text{ you would raise } \frac{1}{5} \text{ to the power of 2}}$$

$$\mathbf{b}_{\text{To result in } \frac{1}{5}, \text{ you would raise } \frac{1}{25} \text{ to the power of 2}}$$



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