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

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$\log_{\frac{1}{6}} \frac{1}{36} = 2$

What does the logarithm equation mean?

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

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

2

$\log_{\frac{1}{3}} \frac{1}{27} = 3$

What does the logarithm equation mean?

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

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

3

$\log_{\frac{1}{7}} \frac{1}{49} = 2$

What does the logarithm equation mean?

a To result in 2, you would raise $\frac{1}{49}$ to the power of $\frac{1}{7}$

b To result in $\frac{1}{49}$, you would raise $\frac{1}{7}$ to the power of 2

4

$\log_{\frac{1}{2}} \frac{1}{8} = 3$

What does the logarithm equation mean?

a To result in $\frac{1}{8}$, you would raise $\frac{1}{2}$ to the power of 3

b To result in $\frac{1}{8}$, you would raise 3 to the power of $\frac{1}{2}$

5

$\log_{\frac{1}{10}} \frac{1}{1,000} = 3$

What does the logarithm equation mean?

a To result in $\frac{1}{1,000}$, you would raise 3 to the power of $\frac{1}{10}$

b To result in $\frac{1}{1,000}$, you would raise $\frac{1}{10}$ to the power of 3

6

$\log_{\frac{1}{5}} \frac{1}{25} = 2$

What does the logarithm equation mean?

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

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

7

$\log_{\frac{1}{8}} \frac{1}{64} = 2$

What does the logarithm equation mean?

a To result in 2, you would raise $\frac{1}{64}$ to the power of $\frac{1}{8}$

b To result in $\frac{1}{64}$, you would raise $\frac{1}{8}$ to the power of 2

