



## Logarithms - Meaning, Equation to Words as Question Mark (Fractions)

1

What does the logarithm equation mean?

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

A	B
What number would you raise $\frac{1}{1,000}$ by to result in $\frac{1}{10}$ ?	What number would you raise $\frac{1}{10}$ by to result in $\frac{1}{1,000}$ ?

2

What does the logarithm equation mean?

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

A	B
What number would you raise $\frac{1}{3}$ by to result in $\frac{1}{27}$ ?	What number would you raise $\frac{1}{27}$ by to result in $\frac{1}{3}$ ?

3

What does the logarithm equation mean?

$$\log_{\frac{1}{9}} \frac{1}{81} = ?$$

A	B
What number would you raise $\frac{1}{9}$ by to result in $\frac{1}{81}$ ?	What number would you raise $\frac{1}{81}$ by to result in $\frac{1}{9}$ ?

4

What does the logarithm equation mean?

$$\log_{\frac{1}{4}} \frac{1}{64} = ?$$

A	B
What number would you raise $\frac{1}{64}$ by to result in $\frac{1}{4}$ ?	What number would you raise $\frac{1}{4}$ by to result in $\frac{1}{64}$ ?

5

What does the logarithm equation mean?

$$\log_{\frac{1}{2}} \frac{1}{4} = ?$$

A	B
What number would you raise $\frac{1}{2}$ by to result in $\frac{1}{4}$ ?	What number would you raise $\frac{1}{4}$ by to result in $\frac{1}{2}$ ?

6

What does the logarithm equation mean?

$$\log_{\frac{1}{3}} \frac{1}{81} = ?$$

A	B
What number would you raise $\frac{1}{81}$ by to result in $\frac{1}{3}$ ?	What number would you raise $\frac{1}{3}$ by to result in $\frac{1}{81}$ ?

7

What does the logarithm equation mean?

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

A	B
What number would you raise $\frac{1}{5}$ by to result in $\frac{1}{25}$ ?	What number would you raise $\frac{1}{25}$ by to result in $\frac{1}{5}$ ?

8

What does the logarithm equation mean?

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

A	B
What number would you raise $\frac{1}{6}$ by to result in $\frac{1}{36}$ ?	What number would you raise $\frac{1}{36}$ by to result in $\frac{1}{6}$ ?