



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

1

What does the logarithm equation mean?

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

A

B

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

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

2

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  $\frac{1}{9}$ ?

3

What does the logarithm equation mean?

$$\log_{\frac{1}{2}} \frac{1}{16} = ?$$

A

B

What number would you raise  $\frac{1}{16}$  by to result in  $\frac{1}{2}$ ?

What number would you raise  $\frac{1}{2}$  by to result in  $\frac{1}{16}$ ?

4

What does the logarithm equation mean?

$$\log_{\frac{1}{4}} \frac{1}{16} = ?$$

A

B

What number would you raise  $\frac{1}{4}$  by to result in  $\frac{1}{16}$ ?

What number would you raise  $\frac{1}{16}$  by to result in  $\frac{1}{4}$ ?

5

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  $\frac{1}{64}$ ?

6

What does the logarithm equation mean?

$$\log_{\frac{1}{6}} \frac{1}{216} = ?$$

What number would you raise  $\frac{1}{6}$  by to result in  $\frac{1}{216}$ ?

What number would you raise  $\frac{1}{216}$  by to result in  $\frac{1}{6}$ ?

7

What does the logarithm equation mean?

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

A

B

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

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

8

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  $\frac{1}{3}$ ?