mobius

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

Learn online: app.mobius.academy/math/units/logarithms_intro/

1

What does the logarithm equation mean?

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

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

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

2

What does the logarithm equation mean?

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

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

b What number would you raise $\frac{1}{9}$ by to result in $\frac{1}{81}$?
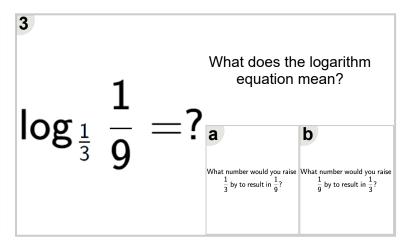
3

What does the logarithm equation mean?

$$\log_{\frac{1}{3}} \frac{1}{9} = ?$$

a What number would you raise $\frac{1}{3}$ by to result in $\frac{1}{9}$?

b What number would you raise $\frac{1}{9}$ by to result in $\frac{1}{3}$?

4

What does the logarithm equation mean?

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

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

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

5

What does the logarithm equation mean?

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

a What number would you raise $\frac{1}{7}$ by to result in $\frac{1}{49}$?

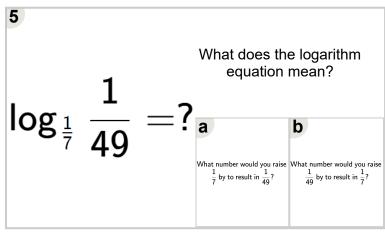**b** What number would you raise $\frac{1}{49}$ by to result in $\frac{1}{7}$?

6

What does the logarithm equation mean?

$$\log_{\frac{1}{5}} \frac{1}{125} = ?$$

a What number would you raise $\frac{1}{125}$ by to result in $\frac{1}{5}$?

b What number would you raise $\frac{1}{5}$ by to result in $\frac{1}{125}$?

7

What does the logarithm equation mean?

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

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

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