

mobius

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



Which logarithm equation answers this?
What number would you raise
$\frac{1}{5}$ by to result in $\frac{1}{25}$?
A $\log_7 \frac{1}{5} = \frac{1}{25}$ B $\log_7 \frac{1}{25} = \frac{1}{5}$
C $\log_{\frac{1}{5}} \frac{1}{25} = ?$ D $\log_{\frac{1}{25}} ? = \frac{1}{5}$
4 Which logarithm equation answers this?
What number would you raise
$\frac{1}{4}$ by to result in $\frac{1}{64}$?
A $\log_{\frac{1}{64}} \frac{1}{4} = ?$ B $\log_{?} \frac{1}{4} = \frac{1}{64}$
$\frac{1}{2} \begin{array}{ c c c c c c c c c c c c c c c c c c c$
$E \qquad \qquad log_{\frac{1}{4}} \frac{1}{64} = ?$
6 Which logarithm equation answers this?
What number would you raise
$\frac{1}{6}$ by to result in $\frac{1}{216}$?
A $\log_{\frac{1}{6}} \frac{1}{216} = ?$ B $\log_{\frac{1}{216}} \frac{1}{6} = ?$
$egin{array}{ c c c c c c c c c c c c c c c c c c c$
8 Which logarithm equation answers this?
What number would you raise
$\frac{1}{5}$ by to result in $\frac{1}{125}$?
A $\log_{\frac{1}{125}}? = \frac{1}{5}$ B $\log_{?} \frac{1}{5} = \frac{1}{125}$
$ \frac{1}{2} \frac{1}{C} \frac{\log_{\frac{1}{25}} \frac{1}{5}}{\log_{\frac{1}{5}} \frac{1}{125}} = \frac{1}{5} \qquad \qquad D \qquad \log_{\frac{1}{5}} \frac{1}{125} = 7 $