

Logarithmic & Exponential Worksheets

Evaluate each expression.

$$\log_7 49$$

$$\log_5 125$$

$$\log_2 16$$

$$\log 1000$$

$$\log_7 \frac{1}{49}$$

$$\log_2 32$$

$$\log_4 \frac{1}{256}$$

$$\log \frac{1}{100}$$

$$\log_9 3$$

$$\log_{16} 4$$

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Evaluate each expression.

$$\begin{aligned}\log_7 49 \\ = 2\end{aligned}$$

$$\begin{aligned}\log_2 16 \\ = 4\end{aligned}$$

$$\begin{aligned}\log_7 \frac{1}{49} \\ = -2\end{aligned}$$

$$\begin{aligned}\log_4 \frac{1}{256} \\ = -4\end{aligned}$$

$$\begin{aligned}\log_9 3 \\ = \frac{1}{2}\end{aligned}$$

$$\begin{aligned}\log_5 125 \\ = 3\end{aligned}$$

$$\begin{aligned}\log 1000 \\ = 3\end{aligned}$$

$$\begin{aligned}\log_2 32 \\ = 5\end{aligned}$$

$$\begin{aligned}\log \frac{1}{100} \\ = -2\end{aligned}$$

$$\begin{aligned}\log_{16} 4 \\ = \frac{1}{2}\end{aligned}$$