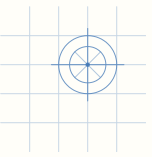


Logarithms — Finding the logarithm

Name: _____

Date: _____



Work out each logarithm.

① $\log_3 729 = \underline{6}$
 $3^6 = 729$
 $= 6$

② $\log_3 81 = \underline{\quad}$

③ $\log_2 32 = \underline{\quad}$

④ $\log_4 \frac{1}{64} = \underline{\quad}$

⑤ $\log_3 9 = \underline{\quad}$

⑥ $\log_8 \frac{1}{64} = \underline{\quad}$

⑦ $\log_{10} 100 = \underline{\quad}$

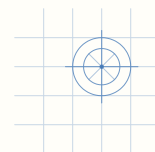
⑧ $\log_5 25 = \underline{\quad}$

⑨ $\log_{10} 1000 = \underline{\quad}$

⑩ $\log_8 512 = \underline{\quad}$



Logarithms · Finding the logarithm — Answer key



1. $\log_3 729 = 6$

2. $\log_3 81 = 4$

3. $\log_2 32 = 5$

4. $\log_4 \frac{1}{64} = -3$

5. $\log_3 9 = 2$

6. $\log_8 \frac{1}{64} = -2$

7. $\log_{10} 100 = 2$

8. $\log_5 25 = 2$

9. $\log_{10} 1000 = 3$

10. $\log_8 512 = 3$