

Exponent Connect-the-Dots

Your task is to use mathematics to find a thing that rings.

Solve for the unknown. All bases are positive.

1. $\log_4(16) = x$

7. $5^{2x} = 5^1$

13. $\log_x(-\frac{1}{9}) = -2$

2. $\log_{10}(x) = 2$

8. $\log(1) = x$

14. $\log_x(\frac{1}{2}) = -1$

3. $\log_x(10) = 1$

9. $\log_3(x) = -2$

15. $\log_2(32) = x$

4. $\log_5(x) = 2$

10. $\log_3(x) = 2$

16. $\log_{\frac{1}{6}}(6) = x$

5. $\log_4(-\frac{1}{16}) = x$

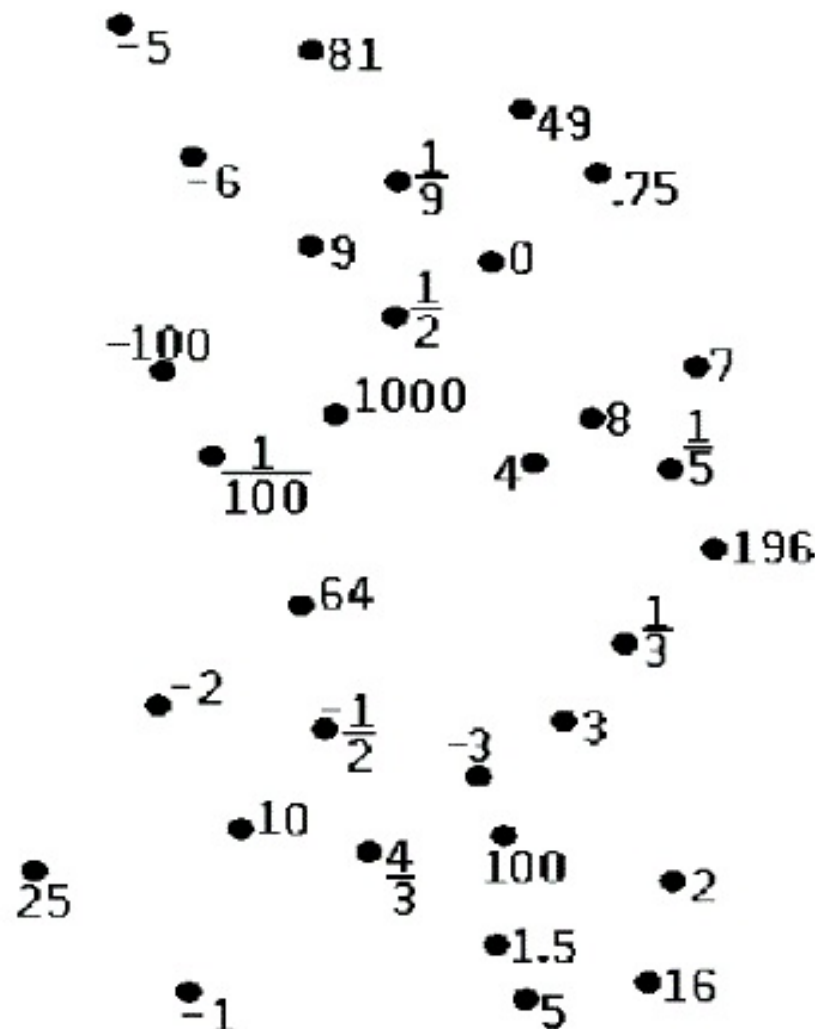
11. $\log_x(.25) = 2$


17. $\log_x(625) = 2$

6. $\log(x) = -2$

12. $\sqrt[3]{(8^{2.5} \div 8^{1.5})^2} = x$

18. $\log_{27}(81) = x$



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