

Zero and negative exponents

Evaluate. Write fractions in simplest form.

1. $3^{-1} = \underline{\quad \mathbf{1/3} \quad}$

2. $4^{-3} = \underline{\quad \mathbf{1/64} \quad}$

3. $10^0 = \underline{\quad \mathbf{1} \quad}$

4. $5^{-2} = \underline{\quad \mathbf{1/25} \quad}$

5. $10^{-1} = \underline{\quad \mathbf{1/10} \quad}$

6. $3^{-3} = \underline{\quad \mathbf{1/27} \quad}$

7. $10^{-4} = \underline{\quad \mathbf{1/10000} \quad}$

8. $5^{-3} = \underline{\quad \mathbf{1/125} \quad}$

9. $2^0 = \underline{\quad \mathbf{1} \quad}$

10. $3^0 = \underline{\quad \mathbf{1} \quad}$

11. $4^0 = \underline{\quad \mathbf{1} \quad}$

12. $10^{-3} = \underline{\quad \mathbf{1/1000} \quad}$