

Zero Exponent

Zero Power Rule: $A^0 = 1, A \neq 0$

Any number to the zero power, except 0, equals 1.

Example: Evaluate $8^0 + 13$.

$$\begin{aligned}8^0 + 13 &= 1 + 13, \\ &= 14.\end{aligned}$$

Evaluate the following expressions.

1. $6^0 + 7$

2. 912^0

3. $48 - 4^0$

4. $\left(\frac{12^{15}}{12^3}\right)^0$

5. $(8 - 2)^0$

6. 3^0

7. $5^2 - 5^0$

8. $11^0 + 41$

9. $8^0 + 8^0$

10. 13.02^0

11. $10,000^0$

12. $(10^8 - 10^2)^0$

13. $(1/3)^0$

14. $(87\%)^0$

15. $(x + y)^0$

16. $\frac{5^4 \cdot 3^2 \cdot 5^7 \cdot 3^4 \cdot 2^5}{5^8 \cdot 3^6 \cdot 2^3}$