

$$2^3 = 2 \times 2 \times 2 = 8$$

Two cubed, the three is the **index** (plural **indices**) or **power**.

$$5^2 = 5 \times 5 = 25$$

Five squared

$$2^4 = 2 \times 2 \times 2 \times 2 = 16$$

Two to the power of four

Find the value of:

Write in index form:

1. $3^2 = 9$

13. $4 \times 4 \times 4 \times 4 \times 4 = 4^5$

2. $1^3 = 1$

14. $6 \times 6 \times 6 \times 6 = 6^4$

3. $8^2 = 64$

15. $9 \times 9 = 9^2$

4. $1^4 = 1$

16. $13 \times 13 \times 13 \times 13 = 13^4$

5. $6^2 = 36$

17. $3 \times 3 \times 3 \times 3 \times 3 \times 3 = 3^6$

6. $2^5 = 32$

18. $7 \times 7 = 7^2$

7. $4^3 = 64$

19. $11 \times 11 \times 11 = 11^3$

8. $3^4 = 81$

20. $8 \times 8 \times 8 \times 8 = 8^4$

9. $5^3 = 125$

21. $8 \times 8 \times 2 \times 2 \times 2 = 8^2 \times 2^3$

10. $10^3 = 1000$

22. $4 \times 4 \times 2 \times 2 \times 2 = 4^2 \times 2^3$

11. $12^2 = 144$

23. $5 \times 5 \times 7 \times 7 \times 7 = 5^2 \times 7^3$

12. $5^2 \times 3^2 = 25 \times 9 = 225$

24. $4 \times 4 \times 4 \times 4 \times 8 \times 8 = 4^4 \times 8^2$