

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

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

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

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

Five squared

Two to the power of four

**Find the value of:**

1.  $3^2$

2.  $1^3$

3.  $8^2$

4.  $1^4$

5.  $6^2$

6.  $2^5$

7.  $4^3$

8.  $3^4$

9.  $5^3$

10.  $10^3$

11.  $12^2$

12.  $5^2 \times 3^2$

**Write in index form:**

13.  $4 \times 4 \times 4 \times 4 \times 4$

14.  $6 \times 6 \times 6 \times 6$

15.  $9 \times 9$

16.  $13 \times 13 \times 13 \times 13$

17.  $3 \times 3 \times 3 \times 3 \times 3 \times 3$

18.  $7 \times 7$

19.  $11 \times 11 \times 11$

20.  $8 \times 8 \times 8 \times 8$

21.  $8 \times 8 \times 2 \times 2 \times 2$

22.  $4 \times 4 \times 2 \times 2 \times 2$

23.  $5 \times 5 \times 7 \times 7 \times 7$

24.  $4 \times 4 \times 4 \times 4 \times 8 \times 8$