

Square and Cube Numbers

Practice worksheet · KS3 · Years 7 to 9

Name: _____

Date: _____

The small raised number tells you HOW MANY of the number to multiply together. Squaring builds a square, cubing builds a cube. It never means multiply by that number.

1. 3^2

9. 3 to the power of 4

2. 6^2

10. $2^2 + 3^2$

3. 9^2

11. $5^2 - 4^2$

4. 12^2

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

5. 2^3

13. $10^2 + 10^3$

6. 5^3

14. Which is bigger, 3^3 or 5^2 ? Write the bigger value.

stretch _____

7. 10^3

15. A square patio has 9 slabs along each side. How many slabs altogether? 9^2

stretch _____

8. 2 to the power of 4

16. A cube-shaped box measures 6 cm along every edge. How many 1 cm cubes fit inside? 6^3

stretch _____

Answers

Square and cube numbers · mark it together

1. $3 \times 3 = 9$

2. $6 \times 6 = 36$

3. $9 \times 9 = 81$

4. $12 \times 12 = 144$

5. $2 \times 2 \times 2 = 8$

6. $5 \times 5 \times 5 = 125$

7. $10 \times 10 \times 10 = 1000$

8. $2 \times 2 \times 2 \times 2 = 16$

9. $3 \times 3 \times 3 \times 3 = 81$

10. $4 + 9 = 13$

11. $25 - 16 = 9$

12. $8 \times 9 = 72$

13. $100 + 1000 = 1100$

14. 27 against 25 = 27

15. $9 \times 9 = 81$

16. $6 \times 6 \times 6 = 216$