Square and Cube Numbers

Practice worksheet · KS3

Name: _____ Date: _____

1. 3^2

2. 6^2

3. 9^2

4. 12^2

5. 2^3

6. 5^3

7. 10^3

8. 2 to the power of 4

9. 3 to the power of 4

10. $2^2 + 3^2$

11. $5^2 - 4^2$

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

13. $10^2 + 10^3$

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

★ stretch

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

★ stretch

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

1. 3 x 3 = 9
2. 6 x 6 = 36
3. 9 x 9 = 81
4. 12 x 12 = 144
5. 2 x 2 x 2 = 8
6. 5 x 5 x 5 = 125
7. 10 x 10 x 10 = 1000
8. 2 x 2 x 2 x 2 = 16
9. 3 x 3 x 3 x 3 = 81
10. 4 + 9 = 13
11. 25 - 16 = 9
12. 8 x 9 = 72
13. 100 + 1000 = 1100
14. 27 against 25 = 27
15. 9 x 9 = 81
16. 6 x 6 x 6 = 216