Square and Cube Roots

Practice worksheet · KS3

Name: _____ Date: _____

1. The square root of 9

2. The square root of 16

3. The square root of 81

4. The square root of 100

5. The cube root of 8

6. The cube root of 27

7. The cube root of 125

8. The square root of 49, plus the square root of 16

9. The cube root of 64, minus the square root of 9

10. The square root of 36, times the cube root of 8

11. Between which two whole numbers does the square root of 20 lie?

12. Between which two whole numbers does the square root of 90 lie?

13. Which is bigger: the square root of 50, or 7? Write the bigger one.

14. A square garden has an area of 64 square metres. What is the length of each side, in metres?

★ stretch

15. A cube-shaped storage box has a volume of 27 cubic centimetres. What is the length of each edge, in centimetres?

★ stretch

Answers

Square and cube roots

1. 3 x 3 = 9 = 3
2. 4 x 4 = 16 = 4
3. 9 x 9 = 81 = 9
4. 10 x 10 = 100 = 10
5. 2 x 2 x 2 = 8 = 2
6. 3 x 3 x 3 = 27 = 3
7. 5 x 5 x 5 = 125 = 5
8. 7 + 4 = 11
9. 4 - 3 = 1
10. 6 x 2 = 12
11. 4 x 4 = 16, 5 x 5 = 25 = between 4 and 5
12. 9 x 9 = 81, 10 x 10 = 100 = between 9 and 10
13. 7 x 7 = 49, and 50 is bigger than 49 = the square root of 50
14. 8 x 8 = 64 = 8
15. 3 x 3 x 3 = 27 = 3