

EduSahara™ Learning Center Assignment

Grade : Class VIII, SSC
Chapter : Square Roots and Cube Roots
Name : Cubes and Cube Roots
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1. Find the cube root of 12^3

(i) 15 (ii) 12 (iii) 144 (iv) 9 (v) 147

2. Find the cube of 21

(i) 444 (ii) 9261 (iii) 9264 (iv) 441 (v) 9258

3. Find the value of $15^3 - 14^3$

(i) 632 (ii) 633 (iii) 630 (iv) 631 (v) 628

4. Find the value of $8^3 + 7^3$

(i) 856 (ii) 854 (iii) 855 (iv) 857 (v) 852

5. Which of the following is a perfect cube?

(i) 1002 (ii) 125 (iii) 344 (iv) 511 (v) 61

6. Which of the following is not a perfect cube?

(i) 8 (ii) 64 (iii) 219 (iv) 125 (v) 27

7. The smallest number by which 108 must be multiplied so that the product is a perfect cube is?

(i) 2 (ii) 5 (iii) 3 (iv) 1 (v) (-1)

8. The smallest number by which 5488 must be divided so that the quotient is a perfect cube is?

(i) 5 (ii) 0 (iii) 3 (iv) 1 (v) 2

9. Find the cube root of 125

(i) 3 (ii) 6 (iii) 5 (iv) 4 (v) 8

10. Find the cube root of $(\frac{-64}{125})$

(i) $(\frac{-4}{3})$ (ii) $(\frac{-4}{7})$ (iii) $(\frac{-2}{5})$ (iv) $(\frac{-6}{5})$ (v) $(\frac{-4}{5})$

Assignment Key

- 1) (ii)
- 2) (ii)
- 3) (iv)
- 4) (iii)
- 5) (ii)
- 6) (iii)
- 7) (i)
- 8) (v)
- 9) (iii)
- 10) (v)