EduSahara™ Assignment

Name : Cubes and Cube Roots

Chapter : Powers and Roots

Grade : ICSE Grade VII

1. Find the cube root of -64

   (i) -4 (ii) -2 (iii) -6 (iv) -3 (v) -5

2. Find the cube root of $(\frac{-1}{64})$

   (i) $(\frac{-1}{4})$ (ii) $(\frac{-3}{4})$ (iii) $(\frac{-1}{6})$ (iv) $\frac{1}{4}$ (v) $(\frac{-1}{2})$

3. Find the cube root of 512

   (i) 67 (ii) 11 (iii) 5 (iv) 64 (v) 8

4. Find the cube of 8

   (i) 64 (ii) 509 (iii) 67 (iv) 515 (v) 512

5. Which of the following is a perfect cube?

   (i) 340 (ii) 127 (iii) 1000 (iv) 730 (v) 7

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

   (i) 8 (ii) 125 (iii) 1000 (iv) 27 (v) 346

7. The smallest number by which 200 must be multiplied so that the product is a perfect cube is?

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

8. The smallest number by which 2187 must be divided so that the quotient is a perfect cube is?

   (i) 2 (ii) 3 (iii) 1 (iv) 4 (v) 0

9. $\sqrt[3]{\frac{1}{216}} =$

   (i) $\frac{1}{6}$ (ii) $(\frac{-1}{6})$ (iii) $\frac{1}{8}$ (iv) $\frac{1}{4}$ (v) $\frac{1}{2}$

10. $\sqrt[3]{0.3430} =$

    (i) 0.9 (ii) 0.8 (iii) 0.7 (iv) 0.6 (v) 0.07

11. Simplify $\frac{\sqrt[3]{729}+\sqrt[3]{216}}{\sqrt[3]{27}-\sqrt[3]{8}} =$

    (i) 14 (ii) 18 (iii) 13 (iv) 16 (v) 15

Assignment Key

1) (i)	2) (i)	3) (v)	4) (v)	5) (iii)	6) (v)
7) (iii)	8) (ii)	9) (i)	10) (iii)	11) (v)	