EduSahara™ Assignment

Name : Cube and Cube Root

Chapter : Powers and Roots

Grade : ICSE Grade VI

1. Find the cube root of 8

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

2. Find the cube root of $\frac{8}{125}$

   (i) 0 (ii) $\frac{2}{7}$ (iii) $\frac{2}{5}$ (iv) $\frac{2}{3}$ (v) $\frac{4}{5}$

3. $\sqrt[3]{\frac{1}{27}} =$

   (i) 1 (ii) $\frac{1}{5}$ (iii) $(\frac{-1}{3})$ (iv) $\frac{1}{3}$

4. Simplify $\frac{\sqrt[3]{8} + \sqrt[3]{1331}}{\sqrt[3]{125} - \sqrt[3]{1000}} =$

   (i) -3 (ii) $(\frac{-11}{5})$ (iii) $(\frac{-13}{5})$ (iv) $(\frac{-13}{3})$ (v) $(\frac{-13}{7})$

5. Find the cube root of 216

   (i) 3 (ii) 9 (iii) 36 (iv) 6 (v) 39

6. Find the cube of 20

   (i) 8003 (ii) 8000 (iii) 400 (iv) 403 (v) 7997

7. Find the cube root of -64

   (i) -3 (ii) -4 (iii) -7 (iv) -2 (v) -5

8. Find the cube root of $\frac{27}{8}$

   (i) 3 (ii) $\frac{5}{2}$ (iii) $\frac{1}{2}$ (iv) $\frac{3}{4}$ (v) $\frac{3}{2}$

9. $\sqrt[3]{\frac{1331}{1728}} =$

   (i) $\frac{3}{4}$ (ii) $\frac{13}{12}$ (iii) $\frac{11}{10}$ (iv) $\frac{11}{14}$ (v) $\frac{11}{12}$

10. Simplify $\frac{\sqrt[3]{64}+\sqrt[3]{343}}{\sqrt[3]{1331}-\sqrt[3]{729}}=$

(i) $\frac{13}{2}$ (ii) $\frac{9}{2}$ (iii) $\frac{11}{4}$ (iv) $\frac{11}{2}$ (v) 11

11. Find the cube root of 1000

(i) 103 (ii) 13 (iii) 100 (iv) 10 (v) 7

12. Find the cube of 15

(i) 3378 (ii) 3372 (iii) 228 (iv) 225 (v) 3375

Assignment Key

1) (i)	2) (iii)	3) (iv)	4) (iii)	5) (iv)	6) (ii)
7) (ii)	8) (v)	9) (v)	10) (iv)	11) (iv)	12) (v)