EduSahara™ Assignment

Name : Cube and Cube Root

Chapter : Powers and Roots

Grade : ICSE Grade VI

1. Find the cube root of 8

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

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

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

3. $\sqrt[3]{\frac{1}{8}} =$

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

4. Simplify $\frac{\sqrt[3]{1728}+\sqrt[3]{64}}{\sqrt[3]{1000}-\sqrt[3]{1331}} =$

   (i) -16 (ii) -15 (iii) -19 (iv) -14 (v) -17

5. Find the cube root of 17576

   (i) 29 (ii) 676 (iii) 679 (iv) 26 (v) 23

6. Find the cube of 15

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

7. Find the cube root of 27

   (i) 6 (ii) 3 (iii) 2 (iv) 4 (v) 0

8. Find the cube root of $\frac{1}{125}$

   (i) $(\frac{-1}{5})$ (ii) $\frac{1}{3}$ (iii) $\frac{1}{5}$ (iv) $\frac{3}{5}$ (v) $\frac{1}{7}$

9. $\sqrt[3]{\frac{125}{216}} =$

   (i) $\frac{1}{2}$ (ii) $\frac{7}{6}$ (iii) $\frac{5}{8}$ (iv) $\frac{5}{4}$ (v) $\frac{5}{6}$

10. Simplify $\frac{\sqrt[3]{343}+\sqrt[3]{1728}}{\sqrt[3]{216}-\sqrt[3]{64}}=$

(i) $\frac{21}{2}$ (ii) $\frac{19}{4}$ (iii) 19 (iv) $\frac{17}{2}$ (v) $\frac{19}{2}$

11. Find the cube root of 9261

(i) 18 (ii) 21 (iii) 24 (iv) 444 (v) 441

12. Find the cube of 18

(i) 324 (ii) 5832 (iii) 327 (iv) 5835 (v) 5829

Assignment Key

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