EduSahara™ Assignment

Name : Cube and Cube Root

Chapter : Powers and Roots

Grade : ICSE Grade VI

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1. Find the cube root of -125

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

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

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

3. $\sqrt[3]{\frac{125}{1331}}$ =

   (i) $\frac{5}{13}$ (ii) $\frac{5}{9}$ (iii) $\frac{5}{11}$ (iv) $\frac{7}{11}$ (v) $\frac{3}{11}$

4. Simplify $\frac{\sqrt[3]{216}+\sqrt[3]{8}}{\sqrt[3]{343}-\sqrt[3]{1000}}$ =

   (i) -2 (ii) $(\frac{-8}{3})$ (iii) -8 (iv) $(\frac{-10}{3})$ (v) $(\frac{-8}{5})$

5. Find the cube root of 19683

   (i) 729 (ii) 24 (iii) 27 (iv) 732 (v) 30

6. Find the cube of 8

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

7. Find the cube root of 125

   (i) 5 (ii) 7 (iii) 6 (iv) 4 (v) 2

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

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

9. $\sqrt[3]{\frac{64}{1331}}$ =

   (i) $\frac{4}{9}$ (ii) $\frac{4}{13}$ (iii) $\frac{2}{11}$ (iv) $\frac{6}{11}$ (v) $\frac{4}{11}$

10. Simplify $\frac{\sqrt[3]{27}+\sqrt[3]{1728}}{\sqrt[3]{216}-\sqrt[3]{1331}}$ =

(i) $(\frac{-13}{5})$ (ii) -3 (iii) -5 (iv) $(\frac{-15}{7})$ (v) $(\frac{-17}{5})$

11. Find the cube root of 1331

(i) 121 (ii) 8 (iii) 11 (iv) 124 (v) 14

12. Find the cube of 7

(i) 49 (ii) 340 (iii) 346 (iv) 52 (v) 343

Assignment Key

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

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