EduSahara™ Assignment

Name : Cubes and Cube Roots

Chapter : Powers and Roots

Grade : ICSE Grade VII

1. Find the cube root of 125

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

2. Find the cube root of $(\frac{-125}{27})$

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

3. Find the cube root of 27000

   (i) 33 (ii) 30 (iii) 27 (iv) 900 (v) 903

4. Find the cube of 25

   (i) 15622 (ii) 628 (iii) 625 (iv) 15628 (v) 15625

5. Which of the following is a perfect cube?

   (i) 9 (ii) 509 (iii) 345 (iv) 999 (v) 125

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

   (i) 8 (ii) 125 (iii) 27 (iv) 219 (v) 729

7. The smallest number by which 2048 must be multiplied so that the product is a perfect cube is?

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

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

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

9. $\sqrt[3]{\frac{729}{1000}} =$

   (i) $\frac{7}{10}$ (ii) $\frac{9}{8}$ (iii) $\frac{9}{10}$ (iv) $\frac{11}{10}$ (v) $\frac{3}{4}$

10. $\sqrt[3]{1.7280} =$

    (i) 0.12 (ii) 1.2 (iii) 1.1 (iv) 1.3 (v) 1.4

11. Simplify $\frac{\sqrt[3]{216}+\sqrt[3]{1728}}{\sqrt[3]{1000}-\sqrt[3]{512}} =$

    (i) 18 (ii) 10 (iii) 9 (iv) 8 (v) $\frac{18}{4}$

Assignment Key

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