EduSahara™ Assignment

Name : Cubes and Cube Roots

Chapter : Square Root and Cube Root

Grade : ICSE Grade VIII

1. Find the cube root of 4096

   (i) 259 (ii) 13 (iii) 256 (iv) 16 (v) 19

2. Find the cube of 26

   (i) 17573 (ii) 676 (iii) 17579 (iv) 17576 (v) 679

3. Find the value of $30^3 - 29^3$

   (i) 2610 (ii) 2612 (iii) 2611 (iv) 2614 (v) 2608

4. Find the value of $24^3 + 23^3$

   (i) 25991 (ii) 25990 (iii) 25988 (iv) 25993 (v) 25992

5. Which of the following is a perfect cube?

   (i) 10 (ii) 214 (iii) 27 (iv) 728 (v) 1001

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

   (i) 346 (ii) 125 (iii) 1000 (iv) 8 (v) 512

7. The smallest number by which 2916 must be multiplied so that the product is a perfect cube is?

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

8. The smallest number by which 16875 must be divided so that the quotient is a perfect cube is?

   (i) 6 (ii) 7 (iii) 4 (iv) 5 (v) 3

9. Find the cube root of -27

   (i) -2 (ii) 0 (iii) -5 (iv) -4 (v) -3

10. Find the cube root of $\frac{27}{64}$

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

11. Find the cube root of 3375

    (i) 225 (ii) 228 (iii) 18 (iv) 12 (v) 15

12. Find the cube of 11

    (i) 121 (ii) 124 (iii) 1334 (iv) 1331 (v) 1328

13. Which of the following is a perfect cube?

    (i) 27 (ii) 127 (iii) 342 (iv) 513 (v) 6

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

(i) 343 (ii) 512 (iii) 64 (iv) 128 (v) 8

15. The smallest number by which 32 must be multiplied so that the product is a perfect cube is?

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

16. The smallest number by which 19208 must be divided so that the quotient is a perfect cube is?

(i) 4 (ii) 6 (iii) 8 (iv) 7 (v) 9

17. Find the cube root of 27

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

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

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

Assignment Key

1) (iv)	2) (iv)	3) (iii)	4) (i)	5) (iii)	6) (i)
7) (iii)	8) (iv)	9) (v)	10) (v)	11) (v)	12) (iv)
13) (i)	14) (iv)	15) (v)	16) (iv)	17) (iii)	18) (iii)