EduSahara™ Worksheet

Name : Chapter Based Worksheet

Chapter : Cubes and Cube Roots

Grade : CBSE Grade VIII

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1. Find the value of $26^3 - 25^3$

   (i) 1953 (ii) 1951 (iii) 1949 (iv) 1950 (v) 1952

2. 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) 2 (v) 0

3. Find the value of $28^3 - 27^3$

   (i) 2268 (ii) 2266 (iii) 2270 (iv) 2269 (v) 2271

4. Find the value of $12^3 + 11^3$

   (i) 3059 (ii) 3060 (iii) 3058 (iv) 3062 (v) 3056

5. Find the cube root of 8

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

6. Find the cube root of $(\frac{-8}{27})$

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

7. The smallest number by which 2000 must be divided so that the quotient is a perfect cube is?

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

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

   (i) 216 (ii) 343 (iii) 11 (iv) 729 (v) 27

9. Find the value of $9^3 + 8^3$

   (i) 1242 (ii) 1240 (iii) 1241 (iv) 1238 (v) 1243

10. Which of the following is a perfect cube?

    (i) 732 (ii) 63 (iii) 9 (iv) 343 (v) 509

11. Find the cube of 6

    (i) 216 (ii) 213 (iii) 39 (iv) 36 (v) 219

12. Which of the following is a perfect cube?

    (i) 1002 (ii) 509 (iii) 64 (iv) 124 (v) 344

13. Find the cube root of $(\frac{-1}{27})$

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

14. The smallest number by which 1944 must be multiplied so that the product is a perfect cube is?

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

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

(i) 27 (ii) 64 (iii) 729 (iv) 8 (v) 219

16. Find the value of $14^3 + 13^3$

(i) 4943 (ii) 4940 (iii) 4942 (iv) 4941 (v) 4938

17. Find the cube root of -64

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

18. Find the value of $25^3 - 24^3$

(i) 1802 (ii) 1800 (iii) 1801 (iv) 1804 (v) 1799

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

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

20. Find the cube root of 8000

(i) 17 (ii) 20 (iii) 403 (iv) 23 (v) 400

21. Find the cube of 9

(i) 732 (ii) 81 (iii) 726 (iv) 84 (v) 729

22. Find the cube root of 216

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

23. Find the cube root of -27

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

24. The smallest number by which 11664 must be divided so that the quotient is a perfect cube is?

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

25. Find the cube root of 125

(i) 25 (ii) 28 (iii) 8 (iv) 5 (v) 2

Assignment Key

1) (ii)	2) (iv)	3) (iv)	4) (i)	5) (ii)	6) (iv)
7) (ii)	8) (iii)	9) (iii)	10) (iv)	11) (i)	12) (iii)
13) (ii)	14) (ii)	15) (v)	16) (iv)	17) (v)	18) (iii)
19) (i)	20) (ii)	21) (v)	22) (v)	23) (iii)	24) (v)
25) (iv)					

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