

Chapter- 4

WORK SHEET

1. The cube of an odd natural number is
 - (a) even
 - (b) odd
 - (c) may be even, may be odd
 - (d) prime number.
2. The number of zeroes at the end of the cube of the number 20 is
 - (a) 1
 - (b) 2
 - (c) 3
 - (d) 6.
3. Find the smallest number by which the number 108 must be multiplied to obtain a perfect cube.
 - (a) 2
 - (b) 3
 - (c) 4
 - (d) 5.
4. Find the smallest number by which the number 108 must be multiplied to obtain a perfect cube.
 - (a) 2
 - (b) 3
 - (c) 4
 - (d) 5.
5. Find the cube-roots of :
 - (i) 2.744
 - (ii) 9.261
6. Find the cube-roots of :(i) 729×8000 (ii) $125/216$

Or

- Find the smallest number by which 8768 must be divided so that the quotient is a perfect
7. Find the smallest number by which 8768 must be divided so that the quotient is a perfect
 8. Find the smallest number by which 27783 be multiplied to get a perfect square number
 9. With what least number must 8640 be divided so that the quotient is a perfect cube?
 10. Which is the smallest number that must be multiplied to 77175 to make it a perfect cube?

11. Find the smallest number by which 26244 may be divided so that the quotient is a perfect cube.
12. Find the smallest number by which 26244 may be divided so that the quotient is a perfect cube.
13. What is the least number by which 30375 should be multiplied to get a perfect cube?
14. Is 343 or 243 a perfect cube
15. Is 292 a perfect cube? If not find the smallest natural number by which it must be multiplied so that the product is a perfect cube.
16. Show that 1728 is a perfect cube.
17. Find the smallest number by which 68600 must be multiplied to get a perfect cube.
18. Which smallest natural number should divide 1188 so that the quotient is a perfect cube?
19. Is the cube of 4913 an odd number? Why?
20. Is the cube of 132651 an even number? Why?