INDIAN SCHOOL NIZWA - WORKSHEET

MATHEMATICS

CH: 7 Cube And Cube Roots

Name: _____ Date:_____ Class:VIII Sec: ___

I Solve the following Questions

1. Find the cube root of 117649 by prime factorisation method.

2. Find the smallest number by which 648 may be multiplied so that the product is a perfect cube.

3. Find the cube root of $2\frac{33}{125}$

4. Find the cube root of 0.008.

5. Find the smallest number by which 3456 must be divided so that the quotient become a perfect cube. Find the cube root of the quotient.

6. The sides of a cube are doubted. Find the ratio between the volume of the first cube and the new cube.

7. The volume of a cube is 9261000 m3 . Find the side of the cube.

8. $Find \quad \sqrt[3]{392} \; X \; \sqrt[3]{448}$

9. Without finding the prime factors, estimate the cube roots of the following cubes. A) 24389