

# WORK SHEET (MATHEMATICS)

Class: VIII.

## Chapter: 7 Cubes and Cube roots

1) Write the unit's digits of the cube of each of the following numbers.

- (i) 31      (ii) 109      (iii) 388      (iv) 22      (v) 30  
(vi) 83      (vii) 24      (viii) 65      (ix) 76      (x) 107.

2) Find the cube of the following numbers.

- (i) 12      (ii)  $\frac{9}{10}$       (iii) -31      (iv) 0.5      (v)  $(-\frac{2}{3})$

3) Check whether the following numbers are perfect cubes.

- (i) 3375      (ii) 5832      (iii) 8000      (iv) 14400.

4) Find the least numbers by which the following numbers multiplied to make them perfect cubes.

- (i) 392      (ii) 675      (iii) 1024.  
(iv) 5400      (v) 3136      (vi) 1323.

5) By what numbers (least) the above numbers should be divided to make them perfect cubes?

6) Find the cube roots of the following.

- (i) 15625      (ii) 35937      (iii) 74088

- (iv)  $-\frac{343}{729}$       (v)  $18\frac{26}{27}$ .

7) Evaluate:  $\sqrt[3]{216} \times \sqrt[3]{729}$

8. What is the edge of a cube whose volume is  $1384 \text{ cm}^3$ ?

9. Find the volume of a cube whose edge is 2.5 cm.

10. Find the cube roots of the following nos by estimation

- (i) 15625      (ii) 35937      (iii) 42875