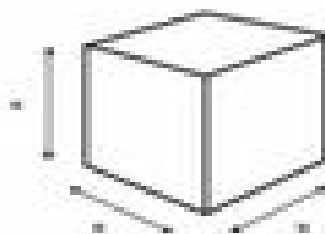


# $\sqrt[3]{\text{CUBE ROOT}}$



$$X^3 = Y$$

$$\sqrt[3]{Y}$$

## THE CUBE AND CUBE ROOT

Consider  $X$  as the cube root and  $Y$  as the cube.  
To cube a number, multiply it 3 times.

If  $X=2$ , the cube of 2 would be  $2 \times 2 \times 2=8$

If  $X=4$ , the cube of 4 would be  $4 \times 4 \times 4=64$

If  $Y=27$ , the cube root would be 3 because  $3 \times 3 \times 3=27$

Calculate the cube:

1.  $x = 1$

2.  $x = 2$

3.  $x = 3.2$

4.  $x = -4$

5.  $x = 10$

6.  $x = -8$

7.  $x = 0$

8.  $x = 5$

Calculate the cube root:

1.  $\sqrt[3]{216}$

2.  $\sqrt[3]{812}$

3.  $\sqrt[3]{27}$

4.  $\sqrt[3]{1225}$

5.  $\sqrt[3]{8}$

6.  $\sqrt[3]{729}$

7.  $\sqrt[3]{64}$

8.  $\sqrt[3]{1000}$

9.  $\sqrt[3]{125}$

10.  $\sqrt[3]{343}$

11.  $\sqrt[3]{1}$

12.  $\sqrt[3]{-216}$

13.  $\sqrt[3]{1728}$

14.  $\sqrt[3]{1000000}$

15.  $\sqrt[3]{2744}$

16.  $\sqrt[3]{3276}$