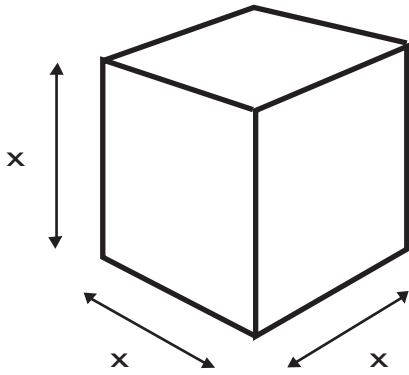


3 $\sqrt{\text{CUBE ROOT}}$



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
 $3 \times 3 \times 3 = 27$

$$X^3 = Y$$

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

Calculate the cube:

1. $x = 3$

2. $x = 9$

3. $x = 1.5$

4. $x = -4$

5. $x = 10$

6. $x = -8$

7. $x = 6$

8. $x = .5$

Calculate the cube root :

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

2. $\sqrt[3]{512}$

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

4. $\sqrt[3]{1331}$

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. $\sqrt[3]{3375}$

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

Answer Sheet

Calculate the cube:

1. $x = 3$

27

2. $x = 9$

729

3. $x = 1.5$

3.375

4. $x = -4$

-64

5. $x = 10$

1000

6. $x = -8$

-512

7. $x = 6$

216

8. $x = .5$

0.125

Calculate the cube root :

1. $\sqrt[3]{216}$ **6**

2. $\sqrt[3]{512}$ **8**

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

4. $\sqrt[3]{1331}$ **11**

5. $\sqrt[3]{8}$ **2**

6. $\sqrt[3]{729}$ **9**

7. $\sqrt[3]{64}$ **4**

8. $\sqrt[3]{1000}$ **10**

9. $\sqrt[3]{125}$ **5**

10. $\sqrt[3]{343}$ **7**

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

12. $\sqrt[3]{-216}$ **-6**

13. $\sqrt[3]{1728}$ **12**

14. $\sqrt[3]{1000000}$ **100**

15. $\sqrt[3]{2744}$ **14**

16. $\sqrt[3]{3375}$ **15**