

1. Find  $\sqrt[3]{27}$ .
2. Find  $\sqrt[3]{1000}$ .
3. Find  $\sqrt[3]{8}$ .
4. Find  $\sqrt[3]{64}$ .
5. Find  $\sqrt[3]{125}$ .
6. Find  $\sqrt[3]{0}$ .
7. What is  $\sqrt[3]{343}$ ?
8. What is  $\sqrt[3]{216}$ ?
9. What is  $\sqrt[3]{1331}$ ?
10. What is  $\sqrt[3]{1728}$ ?

## KEYS

**Remember**

- To find the cube root of a given number, figure out which number cubed (multiplied by itself, and then multiplied by itself again) equals that given number.
- Taking the cube root ( $\sqrt[3]{\quad}$ ) is the inverse of cubing.

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

Since  $3^3 = 27$ ,  $\sqrt[3]{27} = 3$ .

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2. Find  $\sqrt[3]{1000}$

Since  $10^3 = 1000$ ,  $\sqrt[3]{1000} = 10$ .

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

Since  $2^3 = 8$ ,  $\sqrt[3]{8} = 2$ .

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4. Find  $\sqrt[3]{64}$

Since  $4^3 = 64$ ,  $\sqrt[3]{64} = 4$ .

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5. Find  $\sqrt[3]{125}$

Since  $5^3 = 125$ ,  $\sqrt[3]{125} = 5$ .

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6. Find  $\sqrt[3]{0}$

Since  $0^3 = 0$ ,  $\sqrt[3]{0} = 0$ .

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7. What is  $\sqrt[3]{343}$  ?

Since  $7^3 = 343$ ,  $\sqrt[3]{343} = 7$ .

8. What is  $\sqrt[3]{216}$ ?

Since  $6^3 = 216$ ,  $\sqrt[3]{216} = 6$ .

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9. What is  $\sqrt[3]{1331}$ ?

Since  $11^3 = 1331$ ,  $\sqrt[3]{1331} = 11$ .

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10. What is  $\sqrt[3]{1728}$ ?

Since  $12^3 = 1728$ ,  $\sqrt[3]{1728} = 12$ .

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