

WORKSHEET

Cube Roots

Unsolved with Answer key



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Cube Roots

1. Calculate the cube of 7.
2. Find the cube root of 729.
3. Determine whether 216 is a perfect cube. If it is, identify which number's cube it is.
4. A small container is shaped like a cube and has a volume of 64 cubic inches. What is the length of one side of the container?
5. Simplify the expression 34333343 and explain your process.
6. A metal cube weighs 125 grams and has a density of 5 grams per cubic centimeter. Find the length of a side of the cube.
7. What is the cube root of 27?
8. Find the cube root of 64.
9. Calculate the cube root of 125.
10. What is the cube root of 512?
11. Determine the cube root of 729.
12. If $x^3 = 1000$, find the value of x .
13. What is the cube root of 216?
14. Find the cube root of 343.
15. Calculate the cube root of 1000.
16. If $y^3 = 1728$, what is the value of y ?

Answer Key

Cube Roots

1. 9
2. Yes, 6^3
3. 4 inches
4. 343×1001
5. 2.924 cm
6. 3
7. 4
8. 5
9. 8
10. 9
11. 10
12. 6
13. 7
14. 10
15. 12