

Cubes and Cube Roots Worksheet

1. What does it mean to cube a number? (1 pt)

2. Complete the chart. (10 pts)

x	1	2	3	4	5	6	7	8	9	10
x³										

3. What does it mean to find the cube root of a number? (1 pt)

Solve. (1 pt each)

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

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

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

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

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

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

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

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

Determine which two whole numbers the non-perfect cube is between. (1 pt each)

12. $\sqrt[3]{200}$

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

14. $\sqrt[3]{1,058}$

15. $\sqrt[3]{65}$

16. $\sqrt[3]{2,201}$

Use a calculator to solve. Round to the nearest hundredth. (1 pt each)

17. $\sqrt[3]{200}$

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

19. $\sqrt[3]{1,058}$

20. $\sqrt[3]{65}$

21. $\sqrt[3]{2,201}$