



Finding a Cube Root to Solve Problems

► Solve each equation.

1 $x^3 = 64$

2 $a^3 = 1$

3 $y^3 = 27$

4 $p^3 = \frac{1}{8}$

5 $e^3 = 1,000$

6 $h^3 = \frac{125}{216}$

7 $b^3 = 81$

8 $k^3 = \frac{27}{512}$

9 $g^3 = 125$

10 $w^3 = \frac{49}{100}$

11 $q^3 = 729$

12 $t^3 = \frac{8}{343}$

13 $r^3 + 2 = 10$

14 $z^3 - 24 = 101$

15 $s^3 - 9 = 216$

- 16 When finding the cube root, will there be both a positive and a negative solution? Explain.