

Cube and Cube Root Worksheet

Evaluate

$$2^3 =$$

$$\sqrt[3]{-1000} =$$

$$(-4)^3 =$$

$$(-3)^3 =$$

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

$$(5)^3 =$$

$$\sqrt[3]{-64} =$$

$$(-10)^3 =$$

$$\sqrt[3]{216} =$$

$$\sqrt[3]{125} =$$

$$(-6)^3 =$$

$$(-8)^3 =$$

1. A cube-shaped box has a side length of 5 cm. What is its volume (in cubic centimeters)?
2. The volume of a cube is 64 cubic units. What is the length of one side of the cube?
3. A cube-shaped container can hold 1000 cubic centimeters of water. What is the length of one side of the container?

Cube and Cube Root Worksheet

Evaluate

$$2^3 = 8$$

$$\sqrt[3]{-1000} = -10$$

$$(-4)^3 = -64$$

$$(-3)^3 = -27$$

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

$$(5)^3 = 125$$

$$\sqrt[3]{-64} = -4$$

$$(-10)^3 = -1000$$

$$\sqrt[3]{216} = 6$$

$$\sqrt[3]{125} = 5$$

$$(-6)^3 = -216$$

$$(-8)^3 = -512$$

1. A cube-shaped box has a side length of 5 cm. What is its volume (in cubic centimeters)?

$$5^3 = 125 \text{ cm}^3$$

2. The volume of a cube is 64 cubic units. What is the length of one side of the cube?

$$\sqrt[3]{64} = 4 \text{ units}$$

3. A cube-shaped container can hold 1000 cubic centimeters of water. What is the length of one side of the container?

$$\sqrt[3]{1000} = 10 \text{ cm}$$

Go to [onlinemathlearning.com](https://www.onlinemathlearning.com) for more free math resources