

# FUNDAMENTAL CUBE ROOT PROPERTIES

## PRODUCT PROPERTY

$$\sqrt[3]{(a \times b)} = \sqrt[3]{a} \times \sqrt[3]{b}$$

## QUOTIENT PROPERTY

$$\sqrt[3]{(a / b)} = \sqrt[3]{a} / \sqrt[3]{b}$$

## NEGATIVE PROPERTY

$$\sqrt[3]{(-a)} = -\sqrt[3]{a}$$

## INVERSE PROPERTY

$$(\sqrt[3]{a})^3 = a$$

1	1	$\sqrt[3]{1} = 1$
2	8	$\sqrt[3]{8} = 2$
3	27	$\sqrt[3]{27} = 3$
4	64	$\sqrt[3]{64} = 4$
5	125	$\sqrt[3]{125} = 5$
6	216	$\sqrt[3]{216} = 6$
7	343	$\sqrt[3]{343} = 7$

$$8 \qquad 512 \qquad \sqrt[3]{512} = 8$$

$$9 \qquad 729 \qquad \sqrt[3]{729} = 9$$

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

$$11 \qquad 1331 \qquad \sqrt[3]{1331} = 11$$

$$12 \qquad 1728 \qquad \sqrt[3]{1728} = 12$$