

Name: _____

Grade: _____

Score: _____

Worksheet #2



CUBES AND CUBE ROOTS

Learning goal: Students will identify, compute, and apply the relationship between cubes and cube roots to solve mathematical problems efficiently.

Instructions: Observe and match correctly.

Cube Root	Cube
a) 4	i) 512
b) 9	ii) 729
c) 1	iii) 1
d) 8	iv) 64
e) 10	v) 1000

Cube	Cube Root
a) 343	i) 4
b) 2197	ii) 13
c) 8	iii) 2
d) 729	iv) 9
e) 64	v) 7

a-___, b-___, c-___, d-___, e-___i

a-___, b-___, c-___, d-___, e-___i

Instructions: Fill the blank.

a) $\sqrt[3]{64} = \square$

d) $\sqrt[3]{8} = \square$

g) $\sqrt[3]{343} = \square$

b) $\sqrt[3]{1} = \square$

e) $\sqrt[3]{512} = \square$

h) $\sqrt[3]{27} = \square$

c) $\sqrt[3]{216} = \square$

f) $\sqrt[3]{125} = \square$

i) $\sqrt[3]{729} = \square$

Instructions: Fill the blank.

a) $4 = \sqrt[3]{?}$

d) $6 = \sqrt[3]{?}$

g) $8 = \sqrt[3]{?}$

b) $1 = \sqrt[3]{?}$

e) $3 = \sqrt[3]{?}$

h) $2 = \sqrt[3]{?}$

c) $7 = \sqrt[3]{?}$

f) $9 = \sqrt[3]{?}$

i) $5 = \sqrt[3]{?}$

Name:

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Worksheet #2(Answers)

**CUBES AND CUBE ROOTS**

Learning goal: Students will identify, compute, and apply the relationship between cubes and cube roots to solve mathematical problems efficiently.

Instructions: Observe and match correctly.

Cube Root	Cube
a) 4	i) 512
b) 9	ii) 729
c) 1	iii) 1
d) 8	iv) 64
e) 10	v) 1000

a-iv, b-ii, c-iii, d-i, e-v

Cube	Cube Root
a) 343	i) 4
b) 2197	ii) 13
c) 8	iii) 2
d) 729	iv) 9
e) 64	v) 7

a-v, b-ii, c-iii, d-iv, e-i

Instructions: Fill the blank.

a) $\sqrt[3]{64} = 4$

d) $\sqrt[3]{8} = 2$

g) $\sqrt[3]{343} = 7$

b) $\sqrt[3]{1} = 1$

e) $\sqrt[3]{512} = 8$

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

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

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

i) $\sqrt[3]{729} = 9$

Instructions: Fill the blank.

a) $4 = \sqrt[3]{64}$

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

g) $8 = \sqrt[3]{512}$

b) $1 = \sqrt[3]{1}$

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

h) $2 = \sqrt[3]{8}$

c) $7 = \sqrt[3]{343}$

f) $9 = \sqrt[3]{729}$

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