

Name: _____

Grade: _____

Score: _____

Worksheet #5



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) 14	i) 2744
b) 8	ii) 512
c) 10	iii) 1000
d) 1	iv) 1
e) 15	v) 3375

Cube	Cube Root
a) 216	i) 5
b) 8	ii) 2
c) 343	iii) 7
d) 27	iv) 3
e) 125	v) 6

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

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

Instructions: Fill the blank.

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

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

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

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

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

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

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

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

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

Instructions: Fill the blank.

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

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

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

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

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

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

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

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

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

Name:

Grade:

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Worksheet #5(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) 14	i) 2744
b) 8	ii) 512
c) 10	iii) 1000
d) 1	iv) 1
e) 15	v) 3375

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

Cube	Cube Root
a) 216	i) 5
b) 8	ii) 2
c) 343	iii) 7
d) 27	iv) 3
e) 125	v) 6

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

Instructions: Fill the blank.

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

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

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

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

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

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

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

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

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

Instructions: Fill the blank.

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

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

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

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

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

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

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

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

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