



Math worksheet on 'Radicals - Cube - Simplifying from Factors, Values and Variables, Nothing Remaining (Level 2)'. Part of a broader unit on 'Radicals - Simplifying Practice'

Learn online: [app.mobius.academy/math/units/radicals\\_simplifying\\_practice/](http://app.mobius.academy/math/units/radicals_simplifying_practice/)

1

Simplify the radical

$$\sqrt{2 \cdot 2 \cdot 2 \cdot 2 \cdot n \cdot n \cdot n \cdot n}$$

a

$$2n^4$$

b

$$7n\sqrt{4}$$

c

$$7n^4$$

d

$$n\sqrt{4}$$

e

$$4n^2$$

f

$$3n\sqrt{4}$$

2

Simplify the radical

$$\sqrt{5 \cdot 5 \cdot r \cdot r \cdot r \cdot r}$$

a

$$7r\sqrt{3}$$

b

$$7r^3$$

c

$$6r$$

d

$$3r$$

e

$$5r^2$$

f

$$2r^4$$

3

Simplify the radical

$$\sqrt{3 \cdot 3 \cdot c \cdot c \cdot c \cdot c}$$

a

$$4c^3\sqrt{2}$$

b

$$4c^4$$

c

$$c^4$$

d

$$4c$$

e

$$3c^2$$

f

$$c^2$$

4

Simplify the radical

$$\sqrt{3 \cdot 3 \cdot c \cdot c}$$

a

$$2c^3\sqrt{2}$$

b

$$3c$$

c

$$4c\sqrt{4}$$

d

$$6c$$

e

$$c$$

f

$$c^2$$

5

Simplify the radical

$$\sqrt{3 \cdot 3 \cdot x \cdot x}$$

a

$$x\sqrt{4}$$

b

$$x$$

c

$$3x$$

d

$$4x\sqrt{3}$$

e

$$x^3\sqrt{3}$$

f

$$2x$$

6

Simplify the radical

$$\sqrt{3 \cdot 3 \cdot z \cdot z \cdot z \cdot z}$$

a

$$6z^4$$

b

$$3z^2$$

c

$$6z^2$$

d

$$4z$$

e

$$3z^3$$

f

$$z^2\sqrt{4}$$

7

Simplify the radical

$$\sqrt{3 \cdot 3 \cdot m \cdot m}$$

a

$$5m$$

b

$$m^3$$

c

$$3m^3\sqrt{4}$$

d

$$3m$$

e

$$6m\sqrt{2}$$

f

$$5m^3$$