



Math worksheet on 'Radicals - Cube - Simplifying from Factors, Values and Variables, Nothing Remaining (Level 1)'. Part of a broader unit on 'Radicals - Simplifying Practice'

Learn online: app.mobius.academy/math/units/radicals_simplifying_practice/

1

Simplify the radical

$$\sqrt{5 \cdot 5 \cdot p \cdot p}$$

a

$5p$

b

$5p^3$

c

$7p^3$

d

$8p^2\sqrt{2}$

e

$8p\sqrt{2}$

f

$7p^2\sqrt{4}$

2

Simplify the radical

$$\sqrt{2 \cdot 2 \cdot 2 \cdot 2 \cdot c \cdot c}$$

a

$4c$

b

$6c\sqrt{4}$

c

$7c$

d

$2c^2\sqrt{4}$

e

$6c^3$

f

$7c^3\sqrt{2}$

3

Simplify the radical

$$\sqrt{2 \cdot 2 \cdot 2 \cdot 2 \cdot z \cdot z}$$

a

$7z^3$

b

$4z^3$

c

$6z$

d

$4z^2\sqrt{3}$

e

$4z$

f

$4z^3\sqrt{3}$

4

Simplify the radical

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

a

$3z$

b

$2z\sqrt{3}$

c

$3z\sqrt{4}$

d

z

e

z^3

f

$z^3\sqrt{3}$

5

Simplify the radical

$$\sqrt{2 \cdot 2 \cdot 2 \cdot 2 \cdot y \cdot y}$$

a

$3y$

b

$4y^2$

c

$4y\sqrt{4}$

d

$4y$

e

$5y$

f

$y\sqrt{4}$

6

Simplify the radical

$$\sqrt{3 \cdot 3 \cdot y \cdot y}$$

a

$3y^2$

b

y^2

c

y

d

$4y\sqrt{3}$

e

$3y$

f

$5y$

7

Simplify the radical

$$\sqrt{2 \cdot 2 \cdot d \cdot d}$$

a

d

b

$d\sqrt{2}$

c

$2d$

d

d^2

e

$4d^3\sqrt{3}$

f

$d^3\sqrt{3}$