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

$$\sqrt{5 \cdot 5 \cdot z \cdot z}$$

a	b	c	d	e	f
$5z$	$3z\sqrt{3}$	$8z$	$2z^3$	$7z^3$	$4z\sqrt{4}$

2 Simplify the radical

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

a	b	c	d	e	f
$4d^3\sqrt{3}$	$2d$	d^2	$d\sqrt{2}$	$d^3\sqrt{3}$	d

3 Simplify the radical

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

a	b	c	d	e	f
$3z$	z	$2z\sqrt{3}$	$z^3\sqrt{3}$	$3z\sqrt{4}$	z^3

4 Simplify the radical

$$\sqrt{2 \cdot 2 \cdot 2 \cdot 2 \cdot r \cdot r}$$

a	b	c	d	e	f
r	$2r$	$4r\sqrt{2}$	$4r$	$6r^2$	$6r\sqrt{2}$

5 Simplify the radical

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

a	b	c	d	e	f
$3y$	$4y^2$	$y\sqrt{4}$	$5y$	$4y\sqrt{4}$	$4y$

6 Simplify the radical

$$\sqrt{2 \cdot 2 \cdot b \cdot b}$$

a	b	c	d	e	f
$b^3\sqrt{4}$	$4b^3$	b^2	$2b$	$2b^3\sqrt{4}$	$5b\sqrt{3}$

7 Simplify the radical

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

a	b	c	d	e	f
$5p$	$8p^2\sqrt{2}$	$7p^3$	$8p\sqrt{2}$	$5p^3$	$7p^2\sqrt{4}$