



Math worksheet on 'Radicals - Cube - Simplifying, Values and Variables, Radical 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 $\sqrt{48x}$	a	b	c
	$7\sqrt{6x^3}$	$6\sqrt{3x^2}$	$5\sqrt{4x}$
	d	e	f
	$4\sqrt{3x}$	$4\sqrt{6x}$	$4\sqrt{5x}$

2 Simplify the radical $\sqrt{32r^3}$	a	b	c
	$4r\sqrt{2r}$	$5r^2\sqrt{3r^3}$	$7r\sqrt{r^3}$
	d	e	f
	$5r^3\sqrt{r^2}$	$3r\sqrt{4r^2}$	$7r\sqrt{r}$

3 Simplify the radical $\sqrt{112r}$	a	b	c
	$3\sqrt{7r^3}$	$6\sqrt{9r}$	$2\sqrt{3r}$
	d	e	f
	$7\sqrt{4r^2}$	$4\sqrt{9r}$	$4\sqrt{7r}$

4 Simplify the radical $\sqrt{99y^2}$	a	b	c
	$6y\sqrt{7}$	$5y^2\sqrt{14}$	$y^3\sqrt{8}$
	d	e	f
	$3y\sqrt{11}$	$y^3\sqrt{13}$	$y\sqrt{14}$

5 Simplify the radical $\sqrt{275m}$	a	b	c
	$5\sqrt{11m}$	$\sqrt{7m}$	$4\sqrt{12m^2}$
	d	e	f
	$\sqrt{12m^3}$	$8\sqrt{12m}$	$5\sqrt{10m}$

6 Simplify the radical $\sqrt{28y}$	a	b	c
	$2\sqrt{5y}$	$3\sqrt{5y}$	$3\sqrt{8y}$
	d	e	f
	$3\sqrt{5y^2}$	$2\sqrt{10y}$	$2\sqrt{7y}$

7 Simplify the radical $\sqrt{75c^3}$	a	b	c
	$3c^2\sqrt{c}$	$4c\sqrt{c}$	$c\sqrt{c}$
	d	e	f
	$3c^2\sqrt{2c^3}$	$5c\sqrt{3c}$	$3c\sqrt{6c}$