



Math worksheet on 'Radicals - Square - Simplify From Squared Factors, Values only, Radical Remaining (Level 2)'. Part of a broader unit on 'Radicals - Simplifying Intro'

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

1 Simplify the radical

$$\sqrt{2^2 \cdot 5}$$

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

2 Simplify the radical

$$\sqrt{2^2 \cdot 2^2 \cdot 7}$$

a	b	c	d	e	f
$7\sqrt{6}$	$4\sqrt{7}$	$6\sqrt{7}$	$4\sqrt{6}$	$2\sqrt{8}$	$\sqrt{5}$

3 Simplify the radical

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

a	b	c
5	2	$6\sqrt{3}$
d	e	f
$2\sqrt{4}$	$\sqrt{3}$	$3\sqrt{2}$

4 Simplify the radical

$$\sqrt{5^2 \cdot 7}$$

a	b	c
$5\sqrt{7}$	$4\sqrt{5}$	$\sqrt{3}$
d	e	f
$7\sqrt{8}$	$2\sqrt{3}$	$4\sqrt{9}$

5 Simplify the radical

$$\sqrt{3^2 \cdot 11}$$

a	b	c
$3\sqrt{11}$	$\sqrt{13}$	$3\sqrt{9}$
d	e	f
$\sqrt{11}$	$2\sqrt{13}$	$4\sqrt{10}$

6 Simplify the radical

$$\sqrt{5^2 \cdot 5}$$

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

7 Simplify the radical

$$\sqrt{2^2 \cdot 2^2 \cdot 5}$$

a	b	c	d	e	f
$6\sqrt{7}$	$4\sqrt{5}$	$7\sqrt{6}$	$3\sqrt{2}$	1	$6\sqrt{6}$