



Math worksheet on 'Radicals - Square - Simplifying from Factors, Values only, Radical Remaining (Level 3)'. Part of a broader unit on 'Radicals - Simplifying Practice'

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2 Simplify the radical

$$\sqrt{3 \cdot 3 \cdot 7}$$

a	b	c	d	e	f
$6\sqrt{5}$	$5\sqrt{3}$	$\sqrt{5}$	$2\sqrt{5}$	$2\sqrt{9}$	$3\sqrt{7}$

1 Simplify the radical

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

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

3 Simplify the radical

$$\sqrt{3 \cdot 5 \cdot 5}$$

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

4 Simplify the radical

$$\sqrt{5 \cdot 5 \cdot 11}$$

a	b	c	d	e	f
$5\sqrt{11}$	$4\sqrt{7}$	$4\sqrt{8}$	$8\sqrt{11}$	$2\sqrt{12}$	$5\sqrt{14}$

5 Simplify the radical

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

a	b	c	d	e	f
$\sqrt{9}$	$\sqrt{8}$	$2\sqrt{11}$	$5\sqrt{12}$	$3\sqrt{11}$	$4\sqrt{7}$

6 Simplify the radical

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

a	b	c	d	e	f
$\sqrt{12}$	$\sqrt{9}$	$6\sqrt{9}$	$\sqrt{7}$	$6\sqrt{10}$	$3\sqrt{11}$

7 Simplify the radical

$$\sqrt{3 \cdot 3 \cdot 5}$$

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