mobius

Math worksheet on *'Radicals - Square - Simplify From Squared Factors, Values only, Radical Remaining (Level 3)'*. Part of a broader unit on *'Radicals - Simplifying Intro'*

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

1 Simplify the radical $\sqrt{2^2 \cdot 3}$

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

2 Simplify the radical $\sqrt{3^2 \cdot 7}$

a	b	c
$\sqrt{8}$	$3\sqrt{3}$	$\sqrt{4}$
d	**e**	**f**
$3\sqrt{7}$	$\sqrt{6}$	$2\sqrt{3}$

3 Simplify the radical $\sqrt{2^2 \cdot 7}$

a	b	c
$\sqrt{9}$	$2\sqrt{7}$	$5\sqrt{10}$
d	**e**	**f**
$4\sqrt{5}$	$\sqrt{6}$	$4\sqrt{6}$

4 Simplify the radical $\sqrt{2 \cdot 5^2}$

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

5 Simplify the radical $\sqrt{2^2 \cdot 2^2 \cdot 11}$

a	b	c	d	e	f
$\sqrt{7}$	$\sqrt{11}$	$\sqrt{8}$	$6\sqrt{12}$	$4\sqrt{11}$	$7\sqrt{10}$

6 Simplify the radical $\sqrt{3^2 \cdot 5}$

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