



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/](http://app.mobius.academy/math/units/radicals_simplifying_intro/)

<b>1</b> Simplify the radical  $\sqrt{2^2 \cdot 3}$	<b>a</b> 4	<b>b</b> $2\sqrt{3}$	<b>c</b> $4\sqrt{5}$
	<b>d</b> $4\sqrt{4}$	<b>e</b> 1	<b>f</b> $5\sqrt{5}$

<b>2</b> Simplify the radical  $\sqrt{3^2 \cdot 7}$	<b>a</b> $3\sqrt{7}$	<b>b</b> $3\sqrt{3}$	<b>c</b> $\sqrt{4}$
	<b>d</b> $\sqrt{6}$	<b>e</b> $2\sqrt{3}$	<b>f</b> $\sqrt{8}$

<b>3</b> Simplify the radical  $\sqrt{2^2 \cdot 7}$	<b>a</b> $\sqrt{9}$	<b>b</b> $5\sqrt{10}$	<b>c</b> $4\sqrt{6}$
	<b>d</b> $2\sqrt{7}$	<b>e</b> $4\sqrt{5}$	<b>f</b> $\sqrt{6}$

<b>4</b> Simplify the radical  $\sqrt{2^2 \cdot 2^2 \cdot 11}$	<b>a</b> $7\sqrt{10}$	<b>b</b> $\sqrt{7}$	<b>c</b> $6\sqrt{12}$	<b>d</b> $\sqrt{8}$	<b>e</b> $\sqrt{11}$	<b>f</b> $4\sqrt{11}$
---	--------------------------	------------------------	--------------------------	------------------------	-------------------------	--------------------------

<b>5</b> Simplify the radical  $\sqrt{2 \cdot 5^2}$	<b>a</b> $3\sqrt{2}$	<b>b</b> $\sqrt{4}$	<b>c</b> 4
	<b>d</b> $7\sqrt{5}$	<b>e</b> $5\sqrt{2}$	<b>f</b> 8

<b>6</b> Simplify the radical  $\sqrt{3^2 \cdot 5}$	<b>a</b> $2\sqrt{3}$	<b>b</b> 2	<b>c</b> $5\sqrt{4}$
	<b>d</b> $\sqrt{3}$	<b>e</b> $3\sqrt{5}$	<b>f</b> $2\sqrt{5}$