



Math worksheet on 'Radicals - Convert Square Root, Values Only, to Exponents - Positive (Level 1)'. Part of a broader unit on 'Radicals - Simplifying Intro'

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

1 Convert the radical to a fractional exponent

a	b	c
$12^{\frac{1}{2}}$	$3^{\frac{1}{3}}$	$9^{\frac{1}{2}}$
d	e	f
$6^{\frac{1}{2}}$	$3^{-\frac{1}{2}}$	$3^{\frac{1}{2}}$

$\sqrt{3}$

2 Convert the radical to a fractional exponent

a	b	c
$5^{\frac{1}{3}}$	$5^{\frac{1}{2}}$	$15^{\frac{1}{2}}$
d	e	
$10^{\frac{1}{2}}$	$5^{-\frac{1}{2}}$	

$\sqrt{5}$

3 Convert the radical to a fractional exponent

a	b	c
$11^{-\frac{1}{2}}$	$11^{\frac{1}{3}}$	$11^{\frac{1}{2}}$
d	e	
$33^{\frac{1}{2}}$	$22^{\frac{1}{2}}$	

$\sqrt{11}$