



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

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

1 Convert the fractional exponent to a radical

$$2^{-\frac{1}{2}}$$

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

2 Convert the fractional exponent to a radical

$$3^{-\frac{1}{2}}$$

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

3 Convert the fractional exponent to a radical

$$11^{-\frac{1}{2}}$$

a $\frac{1}{3\sqrt{14}}$	b $\frac{1}{\sqrt{12}}$	c $\frac{1}{3\sqrt{10}}$
d $\frac{1}{2\sqrt{11}}$	e $\frac{1}{\sqrt{7}}$	f $\frac{1}{\sqrt{11}}$