



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

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

1 Convert the radical to a fractional exponent

$\sqrt[3]{3}$

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

2 Convert the radical to a fractional exponent

$\sqrt[3]{11}$

a $11^{\frac{1}{3}}$	b $11^{\frac{1}{2}}$	c $22^{\frac{1}{3}}$
d $44^{\frac{1}{3}}$	e $33^{\frac{1}{3}}$	f $11^{-\frac{1}{3}}$

3 Convert the radical to a fractional exponent

$\sqrt[3]{5}$

a $5^{-\frac{1}{3}}$	b $5^{\frac{1}{2}}$	c $10^{\frac{1}{3}}$
d $20^{\frac{1}{3}}$	e $15^{\frac{1}{3}}$	f $5^{\frac{1}{3}}$