



Math worksheet on 'Radicals - Convert Cube Root, Values Only, from Exponents - Negative (Level 2)'.
Part of a broader unit on 'Radicals - Simplifying Advanced'

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

1 Convert the fractional exponent to a radical

a	b	c
$\frac{1}{4\sqrt[3]{9}}$	$\frac{1}{\sqrt[3]{7}}$	$\frac{1}{\sqrt[3]{10}}$
d	e	f
$\frac{1}{3\sqrt[3]{11}}$	$\frac{1}{\sqrt[3]{13}}$	$\frac{1}{\sqrt[3]{11}}$

$11^{-\frac{1}{3}}$

2 Convert the fractional exponent to a radical

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

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

3 Convert the fractional exponent to a radical

a	b	c
$\frac{1}{2\sqrt[3]{5}}$	$\frac{1}{\sqrt[3]{3}}$	$\frac{1}{\sqrt[3]{8}}$
d	e	f
$\frac{1}{3\sqrt[3]{7}}$	$\frac{1}{\sqrt[3]{5}}$	$\frac{1}{\sqrt[3]{2}}$

$5^{-\frac{1}{3}}$