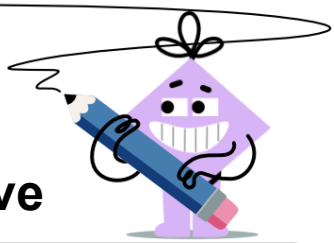
Name

Radicals - Convert Cube Root, Values and Variables, from Exponents - Positive



1 Convert the fractional exponent to a radical

$$2^{\frac{1}{3}} \cdot z^{\frac{1}{3}} \cdot c^{\frac{5}{3}}$$

A	B	C	D	E
$c\sqrt[3]{5zc}$	$2c\sqrt[3]{z^2c^2}$	$\frac{1}{c\sqrt[3]{zc^2}}$	$c^3\sqrt[3]{zc}$	$\sqrt[3]{2zc^5}$

2 Convert the fractional exponent to a radical

$$7^{\frac{1}{3}} \cdot m^{\frac{4}{3}} \cdot p^{\frac{2}{3}}$$

A	$\sqrt[3]{7m^4p^2}$	B	$\frac{1}{m^2\sqrt[3]{10mp^2}}$
C	$3m\sqrt[3]{10m^3p^4}$	D	$m^2\sqrt[3]{8mp^2}$
E	$m^3\sqrt[3]{3mp}$		

3 Convert the fractional exponent to a radical

$$11^{\frac{1}{3}} \cdot c^{\frac{4}{3}} \cdot n^{\frac{4}{3}}$$

A	$\frac{1}{c^3n\sqrt[3]{9cn^3}}$	B	$c^3n^2\sqrt[3]{12cn}$
C	$4c^3n^3\sqrt[3]{14cn}$	D	$\sqrt[3]{11c^4n^4}$
E	$c^2n^3\sqrt[3]{10cn^2}$		

4 Convert the fractional exponent to a radical

$$3^{\frac{1}{3}} \cdot r^{\frac{2}{3}} \cdot x^{\frac{5}{3}}$$

A	$x\sqrt[3]{2rx^2}$	B	$x^3\sqrt[3]{3r^4x^3}$
C	$\frac{1}{4x^3\sqrt[3]{4r^3x}}$	D	$\sqrt[3]{3r^2x^5}$
E	$x\sqrt[3]{r^4x^4}$		

5 Convert the fractional exponent to a radical

$$2^{\frac{1}{3}} \cdot y^{\frac{4}{3}} \cdot b^{\frac{4}{3}}$$

A	$\frac{1}{yb\sqrt[3]{y^2b}}$	B	$\sqrt[3]{2y^4b^4}$
C	$yb^2\sqrt[3]{2y^2b}$	D	$2y^2b\sqrt[3]{yb}$
E	$4y^3b\sqrt[3]{y^2b}$		

6 Convert the fractional exponent to a radical

$$2^{\frac{1}{3}} \cdot y^{\frac{2}{3}} \cdot c^{\frac{5}{3}}$$

A	$4c\sqrt[3]{3y^4c}$	B	$3c\sqrt[3]{y^4c^2}$
C	$3c\sqrt[3]{5yc^2}$	D	$\sqrt[3]{2y^2c^5}$
E	$\frac{1}{4c\sqrt[3]{y^2c^4}}$		

7 Convert the fractional exponent to a radical

$$7^{\frac{1}{3}} \cdot d^{\frac{5}{3}} \cdot r^{\frac{5}{3}}$$

A	$d^2r^3\sqrt[3]{8d^4r}$	B	$2dr\sqrt[3]{10dr^4}$
C	$3dr^2\sqrt[3]{5d^4r}$	D	$\sqrt[3]{7d^5r^5}$
E	$\frac{1}{dr^2\sqrt[3]{8d^4r^4}}$		

8 Convert the fractional exponent to a radical

$$3^{\frac{1}{3}} \cdot m^{\frac{5}{3}} \cdot x^{\frac{2}{3}}$$

A	$m\sqrt[3]{5m^2x}$	B	$m^3\sqrt[3]{m^4x}$
C	$\sqrt[3]{3m^5x^2}$	D	$\frac{1}{2m\sqrt[3]{5mx^3}}$
E	$2m\sqrt[3]{6m^3x}$		