



Radicals - Convert Square Root, Values and Variables, to Exponents - Positive

1 Convert the radical to a fractional exponent $\sqrt{5y^3c^5}$	A $10^{\frac{1}{2}} \cdot y^{\frac{3}{2}} \cdot c^{\frac{5}{2}}$	B $5^{\frac{1}{3}} \cdot y^{\frac{3}{3}} \cdot c^{\frac{5}{3}}$	2 Convert the radical to a fractional exponent $\sqrt{5c^3b^3}$	A $5^{\frac{1}{2}} \cdot c^{\frac{3}{2}} \cdot b^{\frac{3}{2}}$	B $15^{\frac{1}{2}} \cdot c^{\frac{3}{2}} \cdot b^{\frac{3}{2}}$
	C $5^{\frac{1}{2}} \cdot y^{\frac{3}{2}} \cdot c^{\frac{5}{2}}$	D $5^{\frac{1}{2}} \cdot y^{\frac{2}{2}} \cdot c^{\frac{7}{2}}$		C $20^{\frac{1}{2}} \cdot c^{\frac{3}{2}} \cdot b^{\frac{3}{2}}$	D $5^{\frac{1}{2}} \cdot c^{\frac{2}{2}} \cdot b^{\frac{4}{2}}$
				E $10^{\frac{1}{2}} \cdot c^{\frac{3}{2}} \cdot b^{\frac{3}{2}}$	
3 Convert the radical to a fractional exponent $\sqrt{2z^3y}$	A $2^{\frac{1}{3}} \cdot z^{\frac{3}{3}} \cdot y^{\frac{1}{3}}$	B $4^{\frac{1}{2}} \cdot z^{\frac{3}{2}} \cdot y^{\frac{1}{2}}$	4 Convert the radical to a fractional exponent $\sqrt{7x^3z^3}$	A $7^{\frac{1}{2}} \cdot x^{\frac{4}{2}} \cdot z^{\frac{5}{2}}$	B $7^{-\frac{1}{2}} \cdot x^{-\frac{3}{2}} \cdot z^{-\frac{3}{2}}$
	C $2^{\frac{1}{2}} \cdot z^{\frac{3}{2}} \cdot y^{\frac{1}{2}}$	D $2^{-\frac{1}{2}} \cdot z^{-\frac{3}{2}} \cdot y^{-\frac{1}{2}}$		C $14^{\frac{1}{2}} \cdot x^{\frac{3}{2}} \cdot z^{\frac{3}{2}}$	D $7^{\frac{1}{2}} \cdot x^{\frac{3}{2}} \cdot z^{\frac{3}{2}}$
	E $2^{\frac{1}{2}} \cdot z^{\frac{2}{2}} \cdot y^{\frac{2}{2}}$			E $21^{\frac{1}{2}} \cdot x^{\frac{3}{2}} \cdot z^{\frac{3}{2}}$	
5 Convert the radical to a fractional exponent $\sqrt{2x^3d^5}$	A $2^{\frac{1}{2}} \cdot x^{\frac{3}{2}} \cdot d^{\frac{5}{2}}$	B $8^{\frac{1}{2}} \cdot x^{\frac{3}{2}} \cdot d^{\frac{5}{2}}$	6 Convert the radical to a fractional exponent $\sqrt{2xy}$	A $6^{\frac{1}{2}} \cdot x^{\frac{1}{2}} \cdot y^{\frac{1}{2}}$	B $2^{\frac{1}{2}} \cdot x^{\frac{1}{2}} \cdot y^{\frac{1}{2}}$
	C $4^{\frac{1}{2}} \cdot x^{\frac{3}{2}} \cdot d^{\frac{5}{2}}$	D $2^{\frac{1}{3}} \cdot x^{\frac{3}{3}} \cdot d^{\frac{5}{3}}$		C $2^{\frac{1}{2}} \cdot x^{\frac{2}{2}} \cdot 4^{\frac{1}{2}} \cdot x^{\frac{1}{2}} \cdot y^{\frac{1}{2}}$	D $4^{\frac{1}{2}} \cdot x^{\frac{1}{2}} \cdot y^{\frac{1}{2}}$
	E $2^{-\frac{1}{2}} \cdot x^{-\frac{3}{2}} \cdot d^{-\frac{5}{2}}$			E $2^{\frac{1}{2}} \cdot x^{\frac{2}{2}} \cdot y^{\frac{3}{2}}$	
7 Convert the radical to a fractional exponent $\sqrt{3c^5m^3}$	A $3^{-\frac{1}{2}} \cdot c^{-\frac{5}{2}} \cdot m^{-\frac{3}{2}}$	B $3^{\frac{1}{2}} \cdot c^{\frac{5}{2}} \cdot m^{\frac{5}{2}}$	8 Convert the radical to a fractional exponent $\sqrt{7by^5}$	A $7^{\frac{1}{2}} \cdot y^{\frac{4}{2}}$	B $7^{-\frac{1}{2}} \cdot b^{-\frac{1}{2}} \cdot y^{-\frac{5}{2}}$
	C $3^{\frac{1}{2}} \cdot c^{\frac{5}{2}} \cdot m^{\frac{4}{2}}$	D $9^{\frac{1}{2}} \cdot c^{\frac{5}{2}} \cdot m^{\frac{3}{2}}$		C $7^{\frac{1}{2}} \cdot b^{\frac{1}{2}} \cdot y^{\frac{5}{2}}$	D $7^{\frac{1}{3}} \cdot b^{\frac{1}{3}} \cdot y^{\frac{5}{3}}$
	E $3^{\frac{1}{2}} \cdot c^{\frac{5}{2}} \cdot m^{\frac{3}{2}}$			E $7^{\frac{1}{2}} \cdot b^{\frac{2}{2}} \cdot y^{\frac{6}{2}}$	