



Exponents - Negative Fractional Exponents with Non-Square Integer Base

Exponent to Unsimplified Radical

<p>1 Find the radical that is the same as this number raised to its exponent</p> $80^{\left(\frac{-1}{2}\right)}$	<p>A $\frac{1}{3\sqrt{80}}$</p>	<p>B $\sqrt{80}$</p>	<p>C $\frac{1}{\sqrt{80}}$</p>	<p>2 Find the radical that is the same as this number raised to its exponent</p> $250^{\left(\frac{-1}{3}\right)}$	<p>A $\frac{1}{\sqrt[3]{250}}$</p>	<p>B $\frac{1}{5\sqrt[3]{250}}$</p>	<p>C $\sqrt[3]{250}$</p>
<p>3 Find the radical that is the same as this number raised to its exponent</p> $162^{\left(\frac{-1}{3}\right)}$	<p>A $\frac{1}{3\sqrt[3]{162}}$</p>	<p>B $\frac{1}{4\sqrt[3]{162}}$</p>	<p>C $\frac{1}{\sqrt[3]{162}^2}$</p>	<p>4 Find the radical that is the same as this number raised to its exponent</p> $36^{\left(\frac{-1}{2}\right)}$	<p>A $\sqrt{36}$</p>	<p>B $\frac{1}{\sqrt{36}^2}$</p>	<p>C $\frac{1}{\sqrt{36}}$</p>
<p>5 Find the radical that is the same as this number raised to its exponent</p> $40^{\left(\frac{-1}{3}\right)}$	<p>A $\frac{1}{\sqrt[3]{3}}$</p>	<p>B $\frac{1}{1}$</p>	<p>C $\frac{1}{\sqrt[3]{2}}$</p>	<p>6 Find the radical that is the same as this number raised to its exponent</p> $54^{\left(\frac{-1}{2}\right)}$	<p>A $\frac{1}{1}$</p>	<p>B $\frac{1}{4\sqrt{54}}$</p>	<p>C $\frac{1}{\sqrt{54}^2}$</p>
<p>7 Find the radical that is the same as this number raised to its exponent</p> $108^{\left(\frac{-1}{3}\right)}$	<p>A $\frac{1}{4\sqrt[3]{108}}$</p>	<p>B $\frac{1}{2\sqrt[3]{108}}$</p>	<p>C $\frac{1}{\sqrt[3]{108}}$</p>	<p>8 Find the radical that is the same as this number raised to its exponent</p> $96^{\left(\frac{-1}{2}\right)}$	<p>A $\frac{1}{3\sqrt{96}}$</p>	<p>B $\frac{1}{5\sqrt{96}}$</p>	<p>C $\frac{1}{4\sqrt{96}}$</p>
	<p>D $\frac{1}{1}$</p>	<p>E $\frac{1}{2\sqrt[3]{80}}$</p>	<p>F $\frac{1}{\sqrt[3]{80}^2}$</p>		<p>D $\frac{1}{1}$</p>	<p>E $\frac{1}{\sqrt[3]{250}^2}$</p>	<p>F $\frac{1}{3\sqrt[3]{250}}$</p>
					<p>D $\frac{1}{4\sqrt{36}}$</p>	<p>E $\frac{1}{2\sqrt{36}}$</p>	<p>F $\frac{1}{1}$</p>
					<p>D $\frac{1}{1}$</p>	<p>E $\frac{1}{2\sqrt[3]{162}}$</p>	<p>F $\frac{1}{\sqrt[3]{162}}$</p>
					<p>D $\frac{1}{1}$</p>	<p>E $\frac{1}{\sqrt[3]{250}^2}$</p>	<p>F $\frac{1}{3\sqrt[3]{250}}$</p>