



Exponents - Fractional Exponents with Non-Square Integer Base - Exponent to Factored Radical

<p>1 Factor this exponent's base number and express it as a radical</p> <p>$12^{(\frac{1}{2})}$</p>	<p>A $\sqrt{2 \cdot 2 \cdot 3 \cdot 7}$</p> <p>C $\sqrt{2 \cdot 2 \cdot 2 \cdot 3}$</p> <p>E $\sqrt{2 \cdot 2 \cdot 3 \cdot 11}$</p> <p>B $\sqrt{2 \cdot 2 \cdot 3 \cdot 5}$</p> <p>D $\sqrt{2 \cdot 2 \cdot 3}$</p> <p>F $\sqrt{2 \cdot 2 \cdot 3 \cdot 3}$</p>	<p>2 Factor this exponent's base number and express it as a radical</p> <p>$75^{(\frac{1}{2})}$</p>	<p>A $\sqrt{3 \cdot 5 \cdot 5}$</p> <p>C $\sqrt{3 \cdot 5 \cdot 5 \cdot 13}$</p> <p>E $\sqrt{3 \cdot 3 \cdot 5 \cdot 5}$</p> <p>B $\sqrt{3 \cdot 5 \cdot 5 \cdot 7}$</p> <p>D $\sqrt{3 \cdot 5 \cdot 5 \cdot 11}$</p> <p>F $\sqrt{2 \cdot 3 \cdot 5 \cdot 5}$</p>
<p>3 Factor this exponent's base number and express it as a radical</p> <p>$16^{(\frac{1}{2})}$</p>	<p>A $\sqrt{2 \cdot 2 \cdot 2 \cdot 2 \cdot 2}$</p> <p>C $\sqrt{2 \cdot 2 \cdot 4}$</p> <p>E $\sqrt{2 \cdot 2 \cdot 2 \cdot 2 \cdot 7}$</p> <p>B $\sqrt{2 \cdot 2 \cdot 2}$</p> <p>D $\sqrt{2 \cdot 4 \cdot 2}$</p> <p>F $\sqrt{2 \cdot 2 \cdot 2 \cdot 2}$</p>	<p>4 Factor this exponent's base number and express it as a radical</p> <p>$18^{(\frac{1}{2})}$</p>	<p>A $\sqrt{2 \cdot 3 \cdot 3 \cdot 3}$</p> <p>C $\sqrt{2 \cdot 3 \cdot 3 \cdot 11}$</p> <p>E $\sqrt{2 \cdot 2 \cdot 3 \cdot 3}$</p> <p>B $\sqrt{2 \cdot 3 \cdot 3 \cdot 5}$</p> <p>D $\sqrt{2 \cdot 3 \cdot 3 \cdot 7}$</p> <p>F $\sqrt{2 \cdot 3 \cdot 3}$</p>
<p>5 Factor this exponent's base number and express it as a radical</p> <p>$48^{(\frac{1}{4})}$</p>	<p>A $\sqrt[4]{2 \cdot 4 \cdot 2 \cdot 3}$</p> <p>B $\sqrt[4]{2 \cdot 2 \cdot 2 \cdot 3}$</p> <p>C $\sqrt[4]{2 \cdot 2 \cdot 4 \cdot 3}$</p> <p>D $\sqrt[4]{2 \cdot 2 \cdot 2 \cdot 6}$</p> <p>E $\sqrt[4]{2 \cdot 2 \cdot 2 \cdot 2 \cdot 3}$</p> <p>F $\sqrt[4]{2 \cdot 2 \cdot 2 \cdot 2 \cdot 3 \cdot 13}$</p>	<p>6 Factor this exponent's base number and express it as a radical</p> <p>$108^{(\frac{1}{3})}$</p>	<p>A $\sqrt[3]{2 \cdot 2 \cdot 2 \cdot 3 \cdot 3 \cdot 3}$</p> <p>B $\sqrt[3]{2 \cdot 2 \cdot 3 \cdot 3 \cdot 3 \cdot 5}$</p> <p>C $\sqrt[3]{2 \cdot 2 \cdot 3 \cdot 3 \cdot 3}$</p> <p>D $\sqrt[3]{2 \cdot 2 \cdot 3 \cdot 3}$</p> <p>E $\sqrt[3]{2 \cdot 2 \cdot 9 \cdot 3}$</p> <p>F $\sqrt[3]{2 \cdot 2 \cdot 3 \cdot 9}$</p>
<p>7 Factor this exponent's base number and express it as a radical</p> <p>$20^{(\frac{1}{2})}$</p>	<p>A $\sqrt{2 \cdot 2 \cdot 2 \cdot 5}$</p> <p>C $\sqrt{2 \cdot 2 \cdot 5}$</p> <p>E $\sqrt{2 \cdot 2 \cdot 5 \cdot 7}$</p> <p>B $\sqrt{2 \cdot 2 \cdot 3 \cdot 5}$</p> <p>D $\sqrt{2 \cdot 2 \cdot 5 \cdot 13}$</p> <p>F $\sqrt{2 \cdot 2 \cdot 5 \cdot 11}$</p>	<p>8 Factor this exponent's base number and express it as a radical</p> <p>$45^{(\frac{1}{2})}$</p>	<p>A $\sqrt{3 \cdot 3 \cdot 5}$</p> <p>C $\sqrt{2 \cdot 3 \cdot 3 \cdot 5}$</p> <p>E $\sqrt{3 \cdot 3 \cdot 3 \cdot 5}$</p> <p>B $\sqrt{3 \cdot 3 \cdot 5 \cdot 11}$</p> <p>D $\sqrt{3 \cdot 3 \cdot 5 \cdot 5}$</p> <p>F $\sqrt{3 \cdot 3 \cdot 5 \cdot 7}$</p>