



Exponents - Fractional Exponents with Fractional Base

<p>1 Find the answer when this fraction is raised to its exponent</p> $\left(\frac{25}{9}\right)^{\left(\frac{1}{2}\right)}$	<p>A $\frac{1}{5}$</p>	<p>B $\frac{5}{3}$</p>	<p>C 1</p>	<p>2 Find the answer when this fraction is raised to its exponent</p> $\left(\frac{125}{8}\right)^{\left(\frac{1}{3}\right)}$	<p>A $\frac{5}{2}$</p>	<p>B $\frac{5}{2\sqrt[3]{4}}$</p>	<p>C $\frac{2}{5}$</p>
	<p>D 5</p>	<p>E $\frac{5\sqrt{4}}{3\sqrt{4}}$</p>	<p>F $\frac{5}{3\sqrt{4}}$</p>		<p>D $\frac{1}{2}$</p>	<p>E 5</p>	<p>F 1</p>
<p>3 Find the answer when this fraction is raised to its exponent</p> $\left(\frac{81}{16}\right)^{\left(\frac{1}{4}\right)}$	<p>A $\frac{3}{5}$</p>	<p>B 2</p>	<p>C $\frac{3}{2}$</p>	<p>4 Find the answer when this fraction is raised to its exponent</p> $\left(\frac{16}{81}\right)^{\left(\frac{1}{4}\right)}$	<p>A $\frac{3}{3\sqrt[4]{3}}$</p>	<p>B $\frac{2}{3}$</p>	<p>C $2\sqrt[4]{2}$</p>
	<p>D $\frac{3\sqrt[4]{2}}{2}$</p>	<p>E $\frac{3}{3}$</p>	<p>F $\frac{4}{4}$</p>		<p>D $\frac{2}{3\sqrt[4]{2}}$</p>	<p>E $\frac{2\sqrt[4]{3}}{5}$</p>	<p>F $\frac{1}{3\sqrt[4]{2}}$</p>
<p>5 Find the answer when this fraction is raised to its exponent</p> $\left(\frac{9}{121}\right)^{\left(\frac{1}{2}\right)}$	<p>A $\frac{3}{2}$</p>	<p>B 1</p>	<p>C 3</p>	<p>6 Find the answer when this fraction is raised to its exponent</p> $\left(\frac{49}{4}\right)^{\left(\frac{1}{2}\right)}$	<p>A $\frac{1}{2}$</p>	<p>B 5</p>	<p>C $\frac{7\sqrt{4}}{2}$</p>
	<p>D $\frac{1}{11}$</p>	<p>E 5</p>	<p>F $\frac{3}{11}$</p>		<p>D $\frac{3}{3}$</p>	<p>E $\frac{7}{2}$</p>	<p>F $\frac{1}{3}$</p>
<p>7 Find the answer when this fraction is raised to its exponent</p> $\left(\frac{25}{4}\right)^{\left(\frac{1}{2}\right)}$	<p>A 1</p>	<p>B 5</p>	<p>C $5\sqrt{3}$</p>	<p>8 Find the answer when this fraction is raised to its exponent</p> $\left(\frac{49}{9}\right)^{\left(\frac{1}{2}\right)}$	<p>A $\frac{1}{3}$</p>	<p>B $\frac{7}{3}$</p>	<p>C 1</p>
	<p>D $\frac{5}{2}$</p>	<p>E $\frac{1}{5}$</p>	<p>F $5\sqrt{4}$</p>		<p>D $\frac{3}{3\sqrt{2}}$</p>	<p>E 7</p>	<p>F $\frac{1}{3\sqrt{4}}$</p>