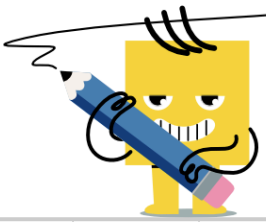
Name

Exponents - Negative Fractional Exponents with Unit Fractional Base



1 Find the answer when this fraction is raised to its exponent

$$\left(\frac{1}{49}\right)^{\left(\frac{-1}{2}\right)}$$

A $\frac{1}{5}$ B $\frac{1}{4}$ C 5

D 7 E $\frac{5}{\sqrt{4}}$ F $7\sqrt{2}$

2 Find the answer when this fraction is raised to its exponent

$$\left(\frac{1}{25}\right)^{\left(\frac{-1}{2}\right)}$$

A $\frac{4}{\sqrt{3}}$ B $\frac{5\sqrt{2}}{3}$ C 1

D $\frac{5}{2}$ E 5 F $5\sqrt{3}$

3 Find the answer when this fraction is raised to its exponent

$$\left(\frac{1}{9}\right)^{\left(\frac{-1}{2}\right)}$$

A 3 B $\frac{3\sqrt{4}}{4}$ C $\frac{1}{2}$

D 2 E 1 F $\frac{3}{\sqrt{4}}$

4 Find the answer when this fraction is raised to its exponent

$$\left(\frac{1}{121}\right)^{\left(\frac{-1}{2}\right)}$$

A 11 B 1 C $\frac{11\sqrt{3}}{2}$

D $\frac{1}{\sqrt{2}}$ E $11\sqrt{4}$ F 4

5 Find the answer when this fraction is raised to its exponent

$$\left(\frac{1}{4}\right)^{\left(\frac{-1}{2}\right)}$$

A $\frac{5}{3}$ B 4 C 1

D $2\sqrt{3}$ E $\frac{2\sqrt{2}}{4}$ F 2