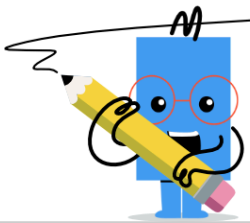
Name



Exponents - Negative Fractional Exponents with Square Integer Base - Exponent to Answer

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

$8^{\left(\frac{-1}{3}\right)}$

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

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

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

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

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

D $\frac{1}{5}$ E $\frac{1}{1}$ F $\frac{1}{2\sqrt{2}}$

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

$36^{\left(\frac{-1}{2}\right)}$

A $\frac{1}{2}$ B $\frac{1}{1}$ C $\frac{1}{5}$

D $\frac{1}{4}$ E $\frac{1}{6}$ F $\frac{1}{3}$

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

$125^{\left(\frac{-1}{3}\right)}$

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

D $\frac{1}{4}$ E $\frac{1}{2}$ F $\frac{1}{5}$

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

$81^{\left(\frac{-1}{4}\right)}$

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

D $\frac{1}{3}$ E $\frac{1}{1}$

6 Find the answer when this number is raised to its exponent

$64^{\left(\frac{-1}{3}\right)}$

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

D $\frac{1}{4}$ E $\frac{1}{4\sqrt[3]{2}}$ F $\frac{1}{5}$

7 Find the answer when this number is raised to its exponent

$32^{\left(\frac{-1}{5}\right)}$

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

D $\frac{1}{2\sqrt[5]{4}}$ E $\frac{1}{2}$ F $\frac{1}{1}$

8 Find the answer when this number is raised to its exponent

$16^{\left(\frac{-1}{2}\right)}$

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

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