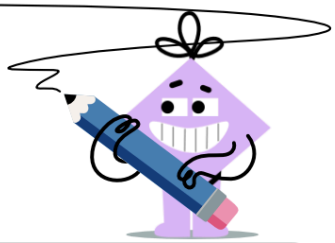
Name

Exponents - Unit Fraction Base



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

$$\left(\frac{1}{3}\right)^4$$

A $\frac{1}{12}$ B $\frac{4}{7}$ C $\frac{1}{81}$

D $\frac{1}{7}$ E $\frac{1}{243}$ F $\frac{4}{12}$

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

$$\left(\frac{1}{5}\right)^3$$

A $\frac{1}{15}$ B $\frac{1}{125}$ C $\frac{1}{625}$

D $-\frac{2}{15}$ E $\frac{1}{8}$ F $\frac{3}{128}$

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

$$\left(\frac{1}{2}\right)^5$$

A $\frac{1}{64}$ B $\frac{1}{29}$ C $\frac{5}{7}$

D $\frac{4}{64}$ E $\frac{1}{16}$ F $\frac{1}{32}$

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

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

A $\frac{1}{81}$ B $\frac{1}{9}$ C $\frac{2}{729}$

D $\frac{2}{18}$ E $\frac{1}{11}$ F 1

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

$$\left(\frac{1}{10}\right)^2$$

A $\frac{2}{20}$ B $\frac{4}{10,000}$ C $\frac{1}{100}$

D $\frac{1}{20}$ E $\frac{3}{10}$ F $-\frac{2}{20}$

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

$$\left(\frac{1}{11}\right)^2$$

A $\frac{2}{22}$ B $\frac{3}{1,331}$ C $\frac{1}{121}$

D 1 E $-\frac{2}{14,641}$ F $\frac{1}{13}$

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

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

A $\frac{1}{8}$ B $\frac{1}{16}$ C $\frac{4}{8}$

D $\frac{4}{32}$ E $\frac{5}{4}$ F $-\frac{2}{6}$

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

$$\left(\frac{1}{6}\right)^3$$

A $\frac{1}{1,296}$ B $\frac{3}{36}$ C $\frac{1}{216}$

D $\frac{4}{18}$ E $\frac{3}{219}$ F $\frac{1}{36}$