Name

Exponents - Negative Fractional Base

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

$$\left(\frac{-10}{8}\right)^2$$

A $-\frac{20}{8}$ B $-\frac{8}{10}$ C $-\frac{20}{4,096}$

D $-\frac{10}{16}$ E $\frac{100}{64}$ F $\frac{10,000}{67}$

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

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

A $-\frac{18}{24}$ B $-\frac{6}{9}$ C $-\frac{216}{27}$

D $\frac{36}{243}$ E $-\frac{18}{9}$ F $\frac{1,296}{6}$

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

$$\left(\frac{-5}{9}\right)^2$$

A -10 B $-\frac{5}{729}$ C $-\frac{5}{9}$

D $\frac{25}{81}$ E $-\frac{125}{11}$ F $-\frac{3}{9}$

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

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

A $-\frac{20}{8}$ B $-\frac{1,000}{8}$ C -10

D $\frac{100}{4}$ E $-\frac{1,000}{4}$ F $-\frac{8}{16}$

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

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

A $-\frac{2}{10}$ B -4 C $-\frac{4}{20}$

D $-\frac{4}{10}$ E $\frac{4}{100}$ F $-\frac{4}{103}$

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

$$\left(\frac{-2}{3}\right)^4$$

A $\frac{16}{81}$ B $-\frac{8}{9}$ C $\frac{2}{243}$

D $-\frac{32}{729}$ E $\frac{2}{27}$ F $-\frac{32}{27}$

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

$$\left(\frac{-8}{11}\right)^2$$

A $-\frac{8}{22}$ B $-\frac{512}{13}$ C $-\frac{512}{11}$

D -6 E $\frac{64}{121}$ F $-\frac{6}{22}$

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

$$\left(\frac{-11}{10}\right)^2$$

A $-\frac{22}{10,000}$ B $-\frac{1,331}{1,000}$ C $\frac{118}{1,000}$

D $\frac{1}{10}$ E $\frac{1}{20}$ F $\frac{121}{100}$