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Math worksheet on *'Exponents - Negative Fractional Base (Level 1)'*. Part of a broader unit on *'Exponents - Fractional Bases and Exponents - Intro'*

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

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

a $\frac{7}{3}$ **b** $-\frac{2}{6}$ **c** $-\frac{8}{6}$

d $\frac{16}{27}$ **e** $\frac{4}{9}$ **f** $-\frac{8}{3}$

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

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

a $\frac{1}{6}$ **b** $\frac{256}{81}$ **c** $-\frac{64}{12}$

d 19 **e** $\frac{16}{9}$ **f** $-\frac{64}{27}$

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

$$\left(\frac{-4}{6}\right)^2$$

a $\frac{16}{36}$ **b** $-\frac{64}{8}$ **c** $-\frac{8}{39}$

d $\frac{1}{8}$ **e** $-\frac{4}{216}$ **f** $-\frac{8}{12}$

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

$$\left(\frac{-6}{4}\right)^2$$

a $\frac{36}{16}$ **b** $-\frac{4}{8}$ **c** $\frac{1,296}{13}$

d -12 **e** $\frac{1}{4}$ **f** $\frac{33}{8}$

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

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

a $\frac{1}{8}$ **b** $-\frac{4}{4}$ **c** $\frac{1}{13}$

d $-\frac{2}{256}$ **e** $\frac{4}{16}$ **f** $-\frac{2}{19}$

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

$$\left(\frac{-5}{6}\right)^2$$

a -10 **b** $-\frac{125}{39}$ **c** $-\frac{5}{216}$

d $-\frac{125}{1,296}$ **e** $\frac{25}{36}$ **f** $-\frac{10}{216}$

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

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

a $\frac{4}{25}$ **b** $\frac{1}{5}$ **c** $-\frac{2}{10}$

d 1 **e** $-\frac{8}{10}$ **f** $-\frac{4}{625}$