Math worksheet on *'Exponents - Negative Unit Fraction 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

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

a $-\frac{2}{5}$ **b** $\frac{1}{25}$ **c** $\frac{4}{7}$

d $\frac{1}{7}$ **e** $-\frac{2}{10}$ **f** $\frac{1}{28}$

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

$$\left(\frac{-1}{6}\right)^2$$

a $\frac{1}{1,296}$ **b** $-\frac{1}{12}$ **c** $\frac{1}{6}$

d $\frac{1}{36}$ **e** $\frac{1}{12}$ **f** $-\frac{1}{216}$

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

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

a $\frac{1}{8}$ **b** $\frac{1}{4}$ **c** $-\frac{2}{2}$

d -2 **e** $-\frac{1}{8}$ **f** $-\frac{1}{2}$

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

$$\left(\frac{-1}{3}\right)^2$$

a $\frac{1}{27}$ **b** $\frac{1}{5}$ **c** $\frac{1}{6}$

d $-\frac{1}{6}$ **e** $-\frac{2}{3}$ **f** $\frac{1}{9}$

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

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

a $-\frac{1}{8}$ **b** $\frac{1}{64}$ **c** $\frac{1}{19}$

d -2 **e** $\frac{1}{16}$ **f** 1