Math worksheet on *'Exponents - Negative Unit Fraction Base (Level 2)'*. Part of a broader unit on *'Exponents - Fractional Bases and Exponents - Practice'*

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

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

a $\frac{2}{256}$ **b** $\frac{2}{7}$ **c** $\frac{1}{1,024}$

d $-\frac{1}{64}$ **e** $\frac{2}{12}$ **f** $\frac{1}{67}$

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

$$\left(\frac{-1}{8}\right)^2$$

a $-\frac{1}{4,096}$ **b** $\frac{1}{64}$ **c** $-\frac{2}{8}$

d $\frac{1}{8}$ **e** -2 **f** $-\frac{2}{4,096}$

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

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

a $-\frac{1}{30}$ **b** $\frac{1}{9}$ **c** $-\frac{3}{3}$

d $-\frac{3}{81}$ **e** $-\frac{1}{27}$ **f** $-\frac{3}{6}$

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

$$\left(\frac{-1}{7}\right)^2$$

a $\frac{1}{9}$ **b** $-\frac{2}{2,401}$ **c** $\frac{1}{49}$

d $-\frac{1}{9}$ **e** $-\frac{1}{7}$ **f** -1

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

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

a $\frac{2}{16}$ **b** $\frac{1}{4}$ **c** $-\frac{1}{8}$

d $-\frac{1}{16}$ **e** $-\frac{3}{6}$ **f** $\frac{2}{4}$