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

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1 Find the answer when this fraction is multiplied as shown

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

a $\frac{1}{4,096}$ **b** $-\frac{1}{8}$ **c** $\frac{1}{64}$ **d** $-\frac{2}{512}$ **e** $-\frac{2}{16}$ **f** 1

2 Find the answer when this fraction is multiplied as shown

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

a $-\frac{1}{2,401}$ **b** $-\frac{1}{343}$ **c** 1 **d** $\frac{4}{9}$ **e** $-\frac{2}{9}$ **f** $\frac{1}{49}$

3 Find the answer when this fraction is multiplied as shown

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

a $\frac{2}{32}$ **b** $\frac{1}{16}$ **c** $-\frac{4}{6}$ **d** $-\frac{1}{8}$ **e** $\frac{1}{32}$ **f** $-\frac{1}{16}$

4 Find the answer when this fraction is multiplied as shown

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

a $\frac{1}{1,024}$ **b** $-\frac{3}{12}$ **c** $\frac{1}{12}$ **d** $-\frac{1}{64}$ **e** $\frac{1}{4}$ **f** $-\frac{3}{256}$

5 Find the answer when this fraction is multiplied as shown

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

a $\frac{2}{9}$ **b** $\frac{2}{81}$ **c** $\frac{1}{30}$ **d** $\frac{1}{9}$ **e** $-\frac{1}{27}$ **f** $-\frac{1}{9}$