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

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

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

2 Find the answer when this fraction is multiplied as shown

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

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

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

4 Find the answer when this fraction is multiplied as shown

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

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

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