mobius

Exponents - Negative Unit Fraction Base (Expanded Fraction)

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1 Find the answer when this fraction is multiplied as shown

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

A	B	C	D	E	F
$-\dfrac{1}{9}$	$-\dfrac{1}{27}$	$-\dfrac{4}{12}$	$\dfrac{1}{81}$	$\dfrac{4}{12}$	$\dfrac{3}{12}$

2 Find the answer when this fraction is multiplied as shown

$$\left(\frac{-1}{9}\right) \cdot \left(\frac{-1}{9}\right)$$

A	B	C	D	E	F
$-\dfrac{1}{729}$	$\dfrac{1}{81}$	$\dfrac{1}{6,561}$	$\dfrac{1}{18}$	-2	-1

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3 Find the answer when this fraction is multiplied as shown

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

A	B	C	D	E	F
$\dfrac{2}{1,296}$	$\dfrac{2}{36}$	$-\dfrac{1}{216}$	$\dfrac{1}{1,296}$	$\dfrac{1}{18}$	$-\dfrac{1}{18}$

4 Find the answer when this fraction is multiplied as shown

$$\left(\frac{-1}{11}\right) \cdot \left(\frac{-1}{11}\right)$$

A	B	C	D	E	F
$-\dfrac{2}{1,331}$	$-\dfrac{1}{124}$	$-\dfrac{1}{13}$	$\dfrac{4}{1,331}$	$\dfrac{1}{121}$	$-\dfrac{1}{1,331}$

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5 Find the answer when this fraction is multiplied as shown

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

A	B	C	D	E	F
$-\dfrac{3}{15}$	$\dfrac{1}{625}$	$\dfrac{1}{25}$	$-\dfrac{3}{3,125}$	$-\dfrac{1}{125}$	$\dfrac{1}{15}$

6 Find the answer when this fraction is multiplied as shown

$$\left(\frac{-1}{10}\right) \cdot \left(\frac{-1}{10}\right)$$

A	B	C	D	E	F
$-\dfrac{2}{20}$	$\dfrac{1}{20}$	$\dfrac{1}{100}$	$-\dfrac{2}{1,000}$	$-\dfrac{2}{12}$	$-\dfrac{1}{20}$

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7 Find the answer when this fraction is multiplied as shown

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

A	B	C	D	E	F
$-\dfrac{1}{32}$	$\dfrac{1}{7}$	$\dfrac{1}{128}$	$-\dfrac{1}{7}$	$\dfrac{4}{16}$	$\dfrac{1}{16}$

8 Find the answer when this fraction is multiplied as shown

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

A	B	C	D	E	F
$-\dfrac{4}{8}$	$\dfrac{1}{8}$	$\dfrac{1}{16}$	$-\dfrac{1}{8}$	$\dfrac{3}{8}$	$-\dfrac{4}{32}$

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