

mobius

Exponents - Negative Unit Fraction Base (Expanded Fraction)



1	Find the answer when this fraction is
	multiplied as shown

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

$$\begin{bmatrix} -\frac{1}{9} & \frac{1}{27} & \frac{1}{27} & \frac{1}{12} & \frac{1}{81} & \frac{1}{12} & \frac{3}{12} \end{bmatrix}$$

$$(\frac{-1}{9})\cdot(\frac{-1}{9})^{\frac{7}{2}}$$

$$-\frac{1}{729} \left| \frac{1}{81} \right|^{\frac{1}{6,561}}$$

1

1

$$(\frac{-1}{9}) \cdot (\frac{-1}{9}) \begin{vmatrix} -1 \\ \frac{1}{18} \end{vmatrix} - 2 \begin{vmatrix} -1 \\ -1 \end{vmatrix}$$

2

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

^A 2	в 2	° 1	^D 1	^E 1	^F 1
1, 296	36	216	1, 296	$\overline{18}$	$\overline{}$

$$(rac{-1}{11}) \cdot (rac{-1}{11})^{egin{array}{c|c} 1,331 & \overline{124} & \overline{13} \ \hline 4 & \overline{1} & \overline{1} \ \hline 1,331 & \overline{1} & \overline{1} \ \hline 1,331 & \overline{1} & \overline{1} \ \hline \end{array}^{ar{\mathsf{f}}}_{1,331}$$

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

$$\frac{A}{15} \begin{vmatrix} \frac{3}{15} & \frac{1}{625} \end{vmatrix}^{2} \begin{vmatrix} \frac{1}{25} & \frac{1}{3,125} \end{vmatrix}^{2} = \frac{1}{125} \begin{vmatrix} \frac{1}{15} & \frac{1}{15} \end{vmatrix}$$

$$\left(\frac{-1}{10}\right)\cdot\left(\frac{-1}{10}\right)^{\frac{20}{1000}} - \frac{20}{12}^{\frac{2}{1000}} - \frac{2}{12}^{\frac{1}{2000}}$$

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

$$\left(\frac{1}{2}\right) \cdot \left(\frac{1}{2}\right) \cdot \left(\frac{1}{2}\right) \cdot \left(\frac{1}{2}\right) \cdot \left(\frac{1}{2}\right)$$
A 1 B 1 C 1 D 1 E 4 F 1

$$\begin{bmatrix} 1 \\ -\frac{1}{32} \end{bmatrix}^{B} \begin{bmatrix} 1 \\ 7 \end{bmatrix}^{C} \begin{bmatrix} 1 \\ 128 \end{bmatrix}^{D} \begin{bmatrix} 1 \\ 7 \end{bmatrix}^{E} \begin{bmatrix} 4 \\ 16 \end{bmatrix}^{F} \begin{bmatrix} 1 \\ 16 \end{bmatrix}$$

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

$$\begin{bmatrix} 2 \\ -4 \end{bmatrix} \begin{bmatrix} 1 \\ -1 \end{bmatrix} \begin{bmatrix} 1 \\ -1 \end{bmatrix} \begin{bmatrix} 1 \\ -1 \end{bmatrix} \begin{bmatrix} 3 \\ -1 \end{bmatrix} \begin{bmatrix} 4 \\ -1 \end{bmatrix}$$