



## Exponents - Unit Fraction Base (Expanded)

**1** Find the answer when this fraction is multiplied as shown

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

- |                   |                  |                  |                 |                  |                 |
|-------------------|------------------|------------------|-----------------|------------------|-----------------|
| A $\frac{1}{243}$ | B $\frac{4}{81}$ | C $\frac{1}{27}$ | D $\frac{1}{9}$ | E $\frac{3}{24}$ | F $\frac{4}{9}$ |
|-------------------|------------------|------------------|-----------------|------------------|-----------------|

**2** Find the answer when this fraction is multiplied as shown

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

- |                  |                   |                     |
|------------------|-------------------|---------------------|
| A $\frac{1}{49}$ | B $\frac{3}{14}$  | C $\frac{1}{2,401}$ |
| D $\frac{1}{14}$ | E $\frac{2}{343}$ | F $\frac{1}{9}$     |

**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 $\frac{1}{2}$ | B $\frac{1}{8}$ | C $\frac{1}{6}$ | D $\frac{1}{4}$ | E $\frac{1}{5}$ | F $\frac{1}{11}$ |
|-----------------|-----------------|-----------------|-----------------|-----------------|------------------|

**4** Find the answer when this fraction is multiplied as shown

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

- |                  |                     |                   |
|------------------|---------------------|-------------------|
| A $\frac{2}{8}$  | B $\frac{1}{10}$    | C $\frac{1}{64}$  |
| D $\frac{2}{16}$ | E $\frac{2}{4,096}$ | F $\frac{1}{512}$ |

**5** 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 $\frac{1}{64}$ | B $\frac{2}{16}$ | C $\frac{3}{256}$ | D $\frac{1}{16}$ | E $\frac{2}{4}$ | F $\frac{4}{12}$ |
|------------------|------------------|-------------------|------------------|-----------------|------------------|