



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

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1 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
$\frac{1}{4}$	$\frac{1}{2}$	$\frac{1}{11}$	$\frac{1}{5}$	$\frac{1}{6}$	$\frac{1}{8}$

2 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
$\frac{3}{24}$	$\frac{1}{9}$	$\frac{1}{27}$	$\frac{4}{9}$	$\frac{4}{81}$	$\frac{1}{243}$

3 Find the answer when this fraction is multiplied as shown

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

a	b	c
$\frac{2}{16}$	$\frac{1}{10}$	$\frac{1}{512}$
d	e	f
$\frac{2}{8}$	$\frac{2}{4,096}$	$\frac{1}{64}$

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	b	c	d	e	f
$\frac{2}{16}$	$\frac{4}{12}$	$\frac{3}{256}$	$\frac{1}{16}$	$\frac{2}{4}$	$\frac{1}{64}$

5 Find the answer when this fraction is multiplied as shown

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

a	b	c
$\frac{1}{14}$	$\frac{1}{9}$	$\frac{1}{2,401}$
d	e	f
$\frac{1}{49}$	$\frac{2}{343}$	$\frac{3}{14}$