



Math worksheet on 'Exponents - Unit Fraction Base (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 raised to its exponent

$$\left(\frac{1}{8}\right)^2$$

a $\frac{2}{512}$	b $\frac{4}{512}$	c $\frac{1}{64}$
d $\frac{2}{61}$	e $\frac{3}{61}$	f $\frac{3}{16}$

2 Find the answer when this fraction is raised to its exponent

$$\left(\frac{1}{7}\right)^2$$

a $\frac{2}{52}$	b $\frac{1}{14}$	c $\frac{2}{9}$
d $\frac{4}{7}$	e $\frac{1}{7}$	f $\frac{1}{49}$

3 Find the answer when this fraction is raised to its exponent

$$\left(\frac{1}{4}\right)^3$$

a $\frac{1}{64}$	b $\frac{1}{12}$	c $\frac{4}{4}$
d $\frac{2}{7}$	e $\frac{1}{16}$	f $\frac{3}{256}$

4 Find the answer when this fraction is raised to its exponent

$$\left(\frac{1}{2}\right)^3$$

a $\frac{1}{16}$	b $\frac{1}{6}$	c $\frac{3}{6}$
d $\frac{1}{11}$	e $\frac{1}{8}$	f $\frac{3}{5}$

5 Find the answer when this fraction is raised to its exponent

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

a $\frac{1}{27}$	b $\frac{1}{9}$	c $\frac{1}{81}$
d $\frac{2}{243}$	e $\frac{3}{3}$	f $\frac{1}{3}$