



Math worksheet on 'Exponents - Fractional Base (Level 1)'. 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

$$\left(\frac{4}{6}\right)^2$$

a $\frac{64}{8}$	b $\frac{4}{6}$	c $\frac{16}{36}$
d $\frac{19}{6}$	e $\frac{8}{6}$	f $\frac{4}{39}$

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

$$\left(\frac{2}{5}\right)^2$$

a $\frac{8}{7}$	b $\frac{4}{25}$	c $\frac{8}{5}$
d $\frac{16}{125}$	e $\frac{1}{22}$	f $\frac{2}{28}$

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

$$\left(\frac{6}{5}\right)^2$$

a $\frac{8}{22}$	b $\frac{216}{22}$	c $\frac{33}{33}$
d $\frac{39}{7}$	e $\frac{36}{25}$	f $\frac{1}{125}$

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

$$\left(\frac{5}{3}\right)^2$$

a $\frac{10}{6}$	b $\frac{25}{9}$	c $\frac{125}{12}$
d $\frac{10}{27}$	e $\frac{5}{5}$	f $\frac{5}{81}$

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

$$\left(\frac{3}{6}\right)^2$$

a $\frac{3}{6}$	b $\frac{6}{12}$	c $\frac{27}{216}$
d $\frac{27}{12}$	e $\frac{9}{36}$	f $\frac{6}{1,296}$

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

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

a $\frac{9}{4}$	b $\frac{6}{4}$	c $\frac{27}{4}$
d $\frac{6}{6}$	e $\frac{3}{8}$	f $\frac{27}{8}$

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

$$\left(\frac{5}{6}\right)^2$$

a $\frac{25}{36}$	b $\frac{7}{6}$	c $\frac{28}{216}$
d $\frac{125}{6}$	e $\frac{1}{12}$	f $\frac{10}{12}$