



Math worksheet on 'Exponents - Fractional Base (Expanded) (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 multiplied as shown

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

a $\frac{16}{625}$	b $\frac{4}{5}$	c $\frac{7}{5}$
d 2	e $\frac{4}{25}$	f $\frac{4}{7}$

2 Find the answer when this fraction is multiplied as shown

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

a $\frac{10}{2}$	b $\frac{22}{4}$	c $\frac{5}{4}$
d $\frac{125}{8}$	e $\frac{125}{8}$	f $\frac{25}{4}$

3 Find the answer when this fraction is multiplied as shown

$$\left(\frac{4}{5}\right) \cdot \left(\frac{4}{5}\right)$$

a $\frac{4}{10}$	b $\frac{64}{625}$	c $\frac{16}{25}$
d $\frac{64}{5}$	e $\frac{6}{10}$	f $\frac{4}{7}$

4 Find the answer when this fraction is multiplied as shown

$$\left(\frac{5}{6}\right) \cdot \left(\frac{5}{6}\right)$$

a 1	b $\frac{25}{36}$	c $\frac{1}{12}$
d $\frac{10}{1,296}$	e $\frac{10}{12}$	f 5

5 Find the answer when this fraction is multiplied as shown

$$\left(\frac{6}{5}\right) \cdot \left(\frac{6}{5}\right)$$

a 216	b $\frac{12}{125}$	c $\frac{216}{5}$
d $\frac{36}{25}$	e $\frac{216}{125}$	f $\frac{1}{10}$

6 Find the answer when this fraction is multiplied as shown

$$\left(\frac{5}{3}\right) \cdot \left(\frac{5}{3}\right)$$

a $\frac{625}{81}$	b $\frac{10}{3}$	c $\frac{25}{9}$
d $\frac{125}{27}$	e $\frac{28}{6}$	f 125

7 Find the answer when this fraction is multiplied as shown

$$\left(\frac{6}{4}\right) \cdot \left(\frac{6}{4}\right)$$

a $\frac{12}{8}$	b $\frac{6}{4}$	c $\frac{1}{13}$
d $\frac{1}{8}$	e $\frac{6}{13}$	f $\frac{36}{16}$