



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

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

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

2 Find the answer when this fraction is multiplied as shown

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

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

3 Find the answer when this fraction is multiplied as shown

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

a	$\frac{1}{8}$	b	$\frac{5}{4}$	c	$\frac{7}{4}$
d	$\frac{125}{4}$	e	$\frac{7}{64}$	f	$\frac{25}{16}$

4 Find the answer when this fraction is multiplied as shown

$$\left(\frac{4}{3}\right) \cdot \left(\frac{4}{3}\right)$$

a	$\frac{8}{3}$	b	$\frac{256}{5}$	c	19
d	$\frac{16}{9}$	e	$\frac{4}{27}$	f	$\frac{6}{81}$

5 Find the answer when this fraction is multiplied as shown

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

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

6 Find the answer when this fraction is multiplied as shown

$$\left(\frac{2}{4}\right) \cdot \left(\frac{2}{4}\right)$$

a	2	b	$\frac{4}{16}$	c	$\frac{2}{4}$
d	$\frac{8}{19}$	e	$\frac{8}{8}$	f	$\frac{1}{4}$

7 Find the answer when this fraction is multiplied as shown

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

a	$\frac{4}{5}$	b	$\frac{8}{27}$	c	$\frac{7}{6}$
d	$\frac{2}{6}$	e	$\frac{4}{9}$	f	$\frac{1}{12}$