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Math worksheet on *'Exponents - Fractional 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

$$\left(\frac{7}{3}\right)\cdot\left(\frac{7}{3}\right)$$

a	b	c
$\frac{52}{12}$	$\frac{9}{3}$	$\frac{343}{6}$
d	**e**	**f**
$\frac{343}{12}$	$\frac{49}{9}$	$\frac{1}{5}$

2 Find the answer when this fraction is multiplied as shown

$$\left(\frac{8}{6}\right)\cdot\left(\frac{8}{6}\right)$$

a	b	c
512	$\frac{64}{36}$	$\frac{16}{39}$
d	**e**	**f**
$\frac{512}{12}$	$\frac{8}{8}$	$\frac{4,096}{8}$

3 Find the answer when this fraction is multiplied as shown

$$\left(\frac{4}{7}\right)\cdot\left(\frac{4}{7}\right)$$

a	b	c
$\frac{64}{14}$	$\frac{16}{49}$	$\frac{6}{7}$
d	**e**	**f**
$\frac{8}{343}$	$\frac{8}{9}$	$\frac{64}{46}$

4 Find the answer when this fraction is multiplied as shown

$$\left(\frac{8}{5}\right)\cdot\left(\frac{8}{5}\right)$$

a	b	c
$\frac{512}{125}$	$\frac{67}{10}$	$\frac{67}{7}$
d	**e**	**f**
$\frac{64}{25}$	$\frac{67}{28}$	$\frac{16}{10}$

5 Find the answer when this fraction is multiplied as shown

$$\left(\frac{2}{8}\right)\cdot\left(\frac{2}{8}\right)$$

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

6 Find the answer when this fraction is multiplied as shown

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

a	b	c	d	e	f
$\frac{6}{7}$	$\frac{8}{64}$	$\frac{6}{256}$	$\frac{16}{67}$	$\frac{4}{12}$	$\frac{4}{67}$

7 Find the answer when this fraction is multiplied as shown

$$\left(\frac{8}{3}\right)\cdot\left(\frac{8}{3}\right)$$

a	b	c
$\frac{16}{27}$	$\frac{512}{6}$	$\frac{16}{3}$
d	**e**	**f**
$\frac{64}{9}$	$\frac{1}{12}$	67