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

2 Find the answer when this fraction is multiplied as shown

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

a $\frac{9}{12}$ b $\frac{9}{256}$ c $\frac{81}{16}$ d $\frac{27}{64}$ e $\frac{3}{16}$ f $\frac{81}{12}$

3 Find the answer when this fraction is multiplied as shown

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

a $\frac{256}{9}$ b $\frac{7}{9}$ c $\frac{16}{81}$ d $\frac{16}{9}$ e $\frac{256}{6}$ f $\frac{64}{27}$

4 Find the answer when this fraction is multiplied as shown

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

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

5 Find the answer when this fraction is multiplied as shown

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

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

6 Find the answer when this fraction is multiplied as shown

$$\left(\frac{7}{2}\right)\cdot\left(\frac{7}{2}\right)$$

a $\frac{7}{4}$ b $\frac{2,401}{4}$ c $\frac{49}{4}$
d $\frac{14}{2}$ e 343 f $\frac{14}{4}$

7 Find the answer when this fraction is multiplied as shown

$$\left(\frac{8}{7}\right)\cdot\left(\frac{8}{7}\right)$$

a $\frac{512}{343}$ b $\frac{64}{49}$ c 1
d 16 e $\frac{1}{7}$ f $\frac{8}{14}$