



Math worksheet on 'Exponents - Negative Fractional Base (Expanded Fraction) (Level 2)'. Part of a broader unit on 'Exponents - Fractional Bases and Exponents Practice'

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1 Find the answer when this fraction is multiplied as shown

$$\left(\frac{-7}{6}\right) \cdot \left(\frac{-7}{6}\right)$$

a $\frac{2,401}{6}$

b $\frac{7}{6}$

c $\frac{49}{36}$

d -7

e $-\frac{14}{216}$

f $-\frac{343}{6}$

2 Find the answer when this fraction is multiplied as shown

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

a $\frac{4}{9}$

b $-\frac{2}{81}$

c $\frac{16}{9}$

d $\frac{1}{24}$

e $-\frac{8}{27}$

f $\frac{16}{81}$

3 Find the answer when this fraction is multiplied as shown

$$\left(\frac{-5}{7}\right) \cdot \left(\frac{-5}{7}\right)$$

a $\frac{625}{14}$

b $-\frac{3}{14}$

c $\frac{1}{7}$

d $\frac{1}{9}$

e $-\frac{10}{14}$

f $\frac{25}{49}$

4 Find the answer when this fraction is multiplied as shown

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

a $-\frac{4}{14}$

b 1

c $-\frac{2}{9}$

d $-\frac{8}{7}$

e $\frac{4}{49}$

f $\frac{1}{14}$

5 Find the answer when this fraction is multiplied as shown

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

a $-\frac{6}{9}$

b $\frac{1}{7}$

c $-\frac{512}{7}$

d $\frac{64}{49}$

e $\frac{4,096}{14}$

f $-\frac{512}{14}$

6 Find the answer when this fraction is multiplied as shown

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

a $-\frac{512}{33}$

b $-\frac{16}{39}$

c $\frac{64}{36}$

d $-\frac{8}{8}$

e $-\frac{16}{216}$

f $4,096$

7 Find the answer when this fraction is multiplied as shown

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

a $-\frac{9}{6}$

b $-\frac{27}{8}$

c $-\frac{3}{2}$

d $-\frac{3}{4}$

e $\frac{81}{16}$

f $\frac{9}{5}$