Math worksheet on *'Exponents - Negative Fractiona Base (Expanded Fraction) (Level 3)'*. Part of a broade unit on *'Exponents - Fractional Bases and Exponents Practice'*

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1 Find the answer when this fraction is multiplied as shown

$$\left(\frac{-10}{6}\right)\cdot\left(\frac{-10}{6}\right)$$

a	b	c	d	e	f
$\frac{100}{36}$	-20	$-\frac{20}{8}$	$\frac{103}{216}$	$-\frac{20}{1,296}$	$\frac{1}{216}$

2 Find the answer when this fraction is multiplied as shown

$$\left(\frac{-8}{9}\right)\cdot\left(\frac{-8}{9}\right)$$

a	b	c	d	e	f
$\frac{61}{729}$	$-\frac{6}{9}$	$-\frac{8}{84}$	$\frac{61}{84}$	$-\frac{16}{9}$	$\frac{64}{81}$

3 Find the answer when this fraction is multiplied as shown

$$\left(\frac{-6}{10}\right)\cdot\left(\frac{-6}{10}\right)$$

a	b	c	d	e	f
$\frac{36}{100}$	$\frac{33}{10}$	$-\frac{6}{1,000}$	$-\frac{216}{1,000}$	$1,296$	$\frac{33}{97}$

4 Find the answer when this fraction is multiplied as shown

$$\left(\frac{-6}{2}\right)\cdot\left(\frac{-6}{2}\right)\cdot\left(\frac{-6}{2}\right)$$

a	b	c	d	e	f
$\frac{36}{16}$	$\frac{1,296}{5}$	$-\frac{3}{2}$	$-\frac{219}{11}$	$-\frac{18}{16}$	$-\frac{216}{8}$

5 Find the answer when this fraction is multiplied as shown

$$\left(\frac{-3}{11}\right)\cdot\left(\frac{-3}{11}\right)$$

a	b	c	d	e	f
$-\frac{27}{1,331}$	$\frac{9}{121}$	$-\frac{6}{118}$	$\frac{81}{13}$	$-\frac{27}{124}$	$-\frac{3}{124}$

6 Find the answer when this fraction is multiplied as shown

$$\left(\frac{-9}{4}\right)\cdot\left(\frac{-9}{4}\right)$$

a	b	c	d	e	f
$\frac{1}{4}$	$-\frac{729}{8}$	$\frac{84}{4}$	$-\frac{9}{4}$	$\frac{6,561}{8}$	$\frac{81}{16}$

7 Find the answer when this fraction is multiplied as shown

$$\left(\frac{-9}{5}\right)\cdot\left(\frac{-9}{5}\right)$$

a	b	c	d	e	f
$-\frac{18}{5}$	1	$-\frac{18}{10}$	$\frac{81}{25}$	$-\frac{18}{625}$	-9