



Math worksheet on 'Exponents - Negative Exponents, Negative Base (Level 1)'. Part of a broader unit on 'Exponents - Advanced'

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1 Find the answer when this number is raised to its exponent

$$(-5)^{-2}$$

a $\frac{-1}{10}$	b $\frac{-1}{7}$	c $\frac{1}{25}$
d $\frac{-1}{28}$	e $\frac{-1}{625}$	f $\frac{1}{28}$

2 Find the answer when this number is raised to its exponent

$$(-6)^{-2}$$

a $\frac{-1}{12}$	b $\frac{1}{36}$	c $\frac{1}{39}$
d $\frac{1}{216}$	e $\frac{1}{12}$	f $\frac{-1}{8}$

3 Find the answer when this number is raised to its exponent

$$(-10)^{-2}$$

a $\frac{1}{100}$	b $\frac{1}{10}$	c $\frac{-1}{1000}$
d $\frac{1}{20}$	e $\frac{-1}{103}$	f $\frac{-1}{20}$

4 Find the answer when this number is raised to its exponent

$$(-8)^{-2}$$

a $\frac{-1}{1}$	b $\frac{-1}{512}$	c $\frac{1}{67}$
d $\frac{1}{10}$	e $\frac{1}{1}$	f $\frac{1}{64}$

5 Find the answer when this number is raised to its exponent

$$(-9)^{-2}$$

a $\frac{1}{11}$	b $\frac{1}{81}$	c $\frac{-1}{729}$
d $\frac{-1}{84}$	e $\frac{1}{18}$	f $\frac{-1}{6561}$

6 Find the answer when this number is raised to its exponent

$$(-3)^{-2}$$

a $\frac{1}{6}$	b $\frac{1}{9}$	c $\frac{-1}{3}$
d $\frac{1}{27}$	e $\frac{-1}{12}$	f $\frac{1}{3}$

7 Find the answer when this number is raised to its exponent

$$(-7)^{-2}$$

a $\frac{1}{7}$	b $\frac{-1}{343}$	c $\frac{-1}{7}$
d $\frac{-1}{9}$	e $\frac{1}{343}$	f $\frac{1}{49}$