



Math worksheet on 'Exponents - Negative Exponents, Negative Base (Level 2)'. Part of a broader unit on 'Exponents - Advanced'

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

$$(-3)^{-4}$$

a	$\frac{-1}{84}$	b	$\frac{1}{81}$	c	$\frac{-1}{27}$
d	$\frac{1}{12}$	e	$\frac{1}{9}$	f	$\frac{-1}{7}$

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

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

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

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

$$(-12)^{-2}$$

a	$\frac{-1}{24}$	b	$\frac{1}{1728}$	c	$\frac{1}{14}$
d	$\frac{-1}{141}$	e	$\frac{-1}{20736}$	f	$\frac{1}{144}$

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

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

a	$\frac{-1}{2}$	b	$\frac{1}{32}$	c	$\frac{-1}{4}$
d	$\frac{-1}{5}$	e	$\frac{1}{6}$	f	$\frac{-1}{8}$

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

$$(-11)^{-2}$$

a	$\frac{1}{121}$	b	$\frac{1}{118}$	c	$\frac{-1}{118}$
d	$\frac{-1}{1}$	e	$\frac{1}{13}$	f	$\frac{1}{22}$

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

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

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

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

$$(-5)^{-3}$$

a	$\frac{1}{25}$	b	$\frac{-1}{15}$	c	$\frac{1}{625}$
d	$\frac{-1}{3125}$	e	$\frac{-1}{125}$	f	$\frac{1}{15}$