



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

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1 What is another way of representing this number raised to a negative exponent?

$$(-8)^{-4}$$

a	b	c
$\frac{8}{4^{-1}}$	$\frac{-1}{8^4}$	$\frac{8}{4^8}$
d	e	f
$\frac{-1}{4^8}$	$\frac{1}{4^8}$	$\frac{1}{8^4}$

2 What is another way of representing this number raised to a negative exponent?

$$(-7)^{-3}$$

a	b	c
$\frac{-1}{7^3}$	$\frac{7}{3^{-1}}$	$\frac{1}{7^3}$
d	e	f
$\frac{1}{3^7}$	$\frac{-1}{3^7}$	$\frac{7}{3^7}$

3 What is another way of representing this number raised to a negative exponent?

$$(-9)^{-5}$$

a	b	c
$\frac{9}{5^{-1}}$	$\frac{1}{9^5}$	$\frac{9}{5^9}$
d	e	f
$\frac{-1}{9^5}$	$\frac{-1}{5^9}$	$\frac{1}{5^9}$

4 What is another way of representing this number raised to a negative exponent?

$$(-9)^{-4}$$

a	b	c
$\frac{9}{4^{-1}}$	$\frac{-1}{4^9}$	$\frac{9}{4^9}$
d	e	f
$\frac{1}{9^4}$	$\frac{-1}{9^4}$	$\frac{1}{4^9}$

5 What is another way of representing this number raised to a negative exponent?

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

a	b	c
$\frac{2}{6^{-1}}$	$\frac{1}{6^2}$	$\frac{-1}{2^6}$
d	e	f
$\frac{-1}{6^2}$	$\frac{2}{6^2}$	$\frac{1}{2^6}$

6 What is another way of representing this number raised to a negative exponent?

$$(-9)^{-6}$$

a	b	c
$\frac{9}{6^{-1}}$	$\frac{9}{6^9}$	$\frac{1}{9^6}$
d	e	f
$\frac{-1}{9^6}$	$\frac{-1}{6^9}$	$\frac{1}{6^9}$

7 What is another way of representing this number raised to a negative exponent?

$$(-7)^{-6}$$

a	b	c
$\frac{-1}{6^7}$	$\frac{7}{6^7}$	$\frac{1}{6^7}$
d	e	f
$\frac{7}{6^{-1}}$	$\frac{1}{7^6}$	$\frac{-1}{7^6}$