



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

Learn online:

[app.mobius.academy/math/units/exponents\\_negative\\_and\\_fractional\\_bases\\_review/](http://app.mobius.academy/math/units/exponents_negative_and_fractional_bases_review/)

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

$$\left(\frac{11}{2}\right)^{-1}$$

a	$\frac{2}{11}$	b	$\frac{11}{4}$	c	1
d	-11	e	$\frac{1}{-2}$	f	0

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

$$\left(\frac{3}{5}\right)^{-1}$$

a	$\frac{5}{3}$	b	$\frac{3}{4}$	c	3
d	0	e	$-\frac{3}{-5}$	f	-3

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

$$\left(\frac{3}{11}\right)^{-1}$$

a	$-\frac{3}{-11}$	b	1	c	$-\frac{3}{-3}$
d	$\frac{1}{-11}$	e	$\frac{11}{3}$	f	0

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

$$\left(\frac{5}{3}\right)^{-1}$$

a	$\frac{1}{0}$	b	3	c	$\frac{4}{2}$
d	$\frac{3}{5}$	e	$-\frac{3}{3}$	f	$\frac{3}{0}$

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

$$\left(\frac{5}{7}\right)^{-1}$$

a	$\frac{7}{5}$	b	1	c	$\frac{1}{0}$
d	$\frac{5}{0}$	e	0	f	$\frac{3}{0}$

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

$$\left(\frac{7}{5}\right)^{-1}$$

a	-7	b	$\frac{6}{0}$	c	$\frac{3}{0}$
d	$\frac{3}{-3}$	e	$\frac{5}{7}$	f	0

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

$$\left(\frac{5}{11}\right)^{-1}$$

a	$\frac{5}{0}$	b	$\frac{11}{5}$	c	$-\frac{5}{10}$
d	4	e	0	f	$\frac{1}{10}$