



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

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

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

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

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

$$\left(\frac{2}{5}\right)^{-1}$$

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

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

$$\left(\frac{7}{3}\right)^{-1}$$

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

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

$$\left(\frac{3}{2}\right)^{-1}$$

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

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

$$\left(\frac{11}{7}\right)^{-1}$$

a	b	c
$\frac{7}{11}$	$-\frac{3}{-7}$	0
d	e	f
1	$-\frac{11}{6}$	$\frac{1}{7}$

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

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

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

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

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

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