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Math worksheet on *'Exponents - Negative Fractional Base (Level 1)'*. Part of a broader unit on *'Exponents - Fractional Bases and Exponents - Intro'*

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

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

a	b	c
-3	$-\frac{10}{4}$	$\frac{25}{4}$
d	**e**	**f**
$\frac{22}{8}$	$-\frac{5}{4}$	$-\frac{3}{4}$

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

$$\left(\frac{-6}{2}\right)^2$$

a	b	c
$\frac{36}{4}$	-12	$-\frac{216}{4}$
d	**e**	**f**
$\frac{33}{8}$	1	$-\frac{6}{8}$

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

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

a	b	c
1	$\frac{1}{5}$	$\frac{4}{25}$
d	**e**	**f**
$-\frac{2}{10}$	$-\frac{8}{10}$	$-\frac{4}{625}$

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

$$\left(\frac{-4}{6}\right)^2$$

a	b	c
$-\frac{64}{8}$	$\frac{16}{36}$	$-\frac{4}{216}$
d	**e**	**f**
$-\frac{8}{12}$	$\frac{1}{8}$	$-\frac{8}{39}$

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

$$\left(\frac{-6}{5}\right)^2$$

a	b	c
$-\frac{6}{125}$	$-\frac{216}{10}$	$\frac{1}{28}$
d	**e**	**f**
$-\frac{4}{5}$	$-\frac{216}{625}$	$\frac{36}{25}$

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

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

a	b	c
$-\frac{2}{6}$	$\frac{4}{9}$	$\frac{7}{3}$
d	**e**	**f**
$-\frac{8}{6}$	$-\frac{8}{3}$	$\frac{16}{27}$

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

$$\left(\frac{-4}{2}\right)^2$$

a	b	c
$-\frac{8}{16}$	$-\frac{8}{7}$	$-\frac{8}{4}$
d	**e**	**f**
$-\frac{64}{4}$	$\frac{16}{4}$	$\frac{256}{8}$