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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'*

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

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

a. $\frac{1}{0}$ b. $-\frac{3}{3}$ c. $\frac{3}{5}$

d. 3 e. $\frac{3}{0}$ f. $\frac{4}{2}$

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

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

a. $\frac{7}{5}$ b. $\frac{3}{0}$ c. 0

d. 1 e. $\frac{5}{0}$ f. $\frac{1}{0}$

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

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

a. $\frac{11}{5}$ b. 4 c. $\frac{1}{10}$

d. 0 e. $\frac{5}{0}$ f. $-\frac{5}{10}$

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

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

a. $-\frac{3}{-5}$ b. $\frac{3}{4}$ c. 0

d. $\frac{5}{3}$ e. -3 f. 3

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

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

a. $-\frac{3}{0}$ b. $\frac{2}{3}$ c. $\frac{3}{0}$

d. 0 e. -3 f. $\frac{1}{0}$

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

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

a. $\frac{7}{11}$ b. 1 c. 0

d. $\frac{1}{7}$ e. $-\frac{11}{6}$ f. $-\frac{3}{-7}$

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

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

a. $\frac{3}{3}$ b. 3 c. $\frac{7}{-3}$

d. $\frac{3}{7}$ e. 0 f. $-\frac{7}{3}$