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Math worksheet on *'Exponents - Negative One Exponents with Fractional Base (Level 1)'*. 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

$$\left(\frac{2}{7}\right)^{-1}$$

a $\frac{1}{-7}$ **b** $-\frac{2}{7}$ **c** -2

d 1 **e** $\frac{7}{2}$ **f** 0

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

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

a $\frac{1}{5}$ **b** $\frac{5}{2}$ **c** -2

d 1 **e** $\frac{2}{0}$ **f** 0

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

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

a $-\frac{2}{0}$ **b** $\frac{3}{2}$ **c** $\frac{1}{0}$

d 1 **e** 0 **f** $\frac{1}{3}$

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

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

a $-\frac{3}{3}$ **b** $\frac{3}{5}$ **c** $\frac{4}{2}$

d $\frac{3}{0}$ **e** $\frac{1}{0}$ **f** 3

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

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

a $\frac{11}{3}$ **b** $-\frac{3}{-3}$ **c** 0

d $\frac{1}{-11}$ **e** $-\frac{3}{-11}$ **f** 1

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

$$\left(\frac{7}{2}\right)^{-1}$$

a $\frac{2}{7}$ **b** -3 **c** 1

d 0 **e** 6 **f** $-\frac{7}{0}$

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

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

a 4 **b** 1 **c** $\frac{3}{0}$

d $\frac{1}{0}$ **e** $-\frac{3}{-2}$ **f** $\frac{2}{5}$