

Arithmetic of Exponents (Negative Fractional Exponents)

Name: _____

Date: _____ Score: _____

$$\left(\frac{2}{5}\right)^{(-2)} + \frac{1}{3} =$$

$$\left(\frac{3}{4}\right)^{(-1)} - \frac{1}{5} =$$

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

$$\left(-\frac{1}{4}\right)^{(-1)} - \frac{1}{3} =$$

$$\left(\frac{1}{4}\right)^{(-1)} + \frac{2}{5} =$$

$$\left(\frac{3}{5}\right)^2 - \left(-\frac{1}{2}\right) =$$

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

$$\left(\frac{1}{5}\right)^0 + \frac{1}{2} =$$

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

$$\left(\frac{1}{5}\right)^{(-2)} + \frac{1}{3} =$$

$$\left(\frac{1}{4}\right)^{(-1)} + \left(-\frac{1}{2}\right) =$$

$$\left(\frac{3}{5}\right) + \frac{3}{5} =$$

$$\left(\frac{2}{5}\right)^{(-1)} + \left(-\frac{3}{4}\right) =$$

$$\left(\frac{3}{5}\right)^{(-2)} - \left(-\frac{1}{6}\right) =$$

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

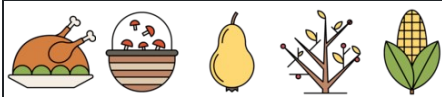
$$\left(-\frac{1}{2}\right)^0 + \left(-\frac{1}{2}\right) =$$

$$\left(-\frac{1}{2}\right)^{(-1)} - \left(-\frac{3}{5}\right) =$$

$$\left(-\frac{3}{4}\right)^{(-1)} - \left(-\frac{1}{6}\right) =$$

$$\left(-\frac{1}{4}\right)^{(-1)} - \left(-\frac{3}{4}\right) =$$

$$\left(\frac{3}{4}\right)^{(-1)} - \left(-\frac{1}{2}\right) =$$



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$$\left(\frac{2}{5}\right)^{-2} + \frac{1}{3} = \frac{79}{12} = 6\frac{7}{12}$$

$$\left(\frac{3}{4}\right)^{-1} - \frac{1}{5} = \frac{17}{15} = 1\frac{2}{15}$$

$$\left(\frac{1}{2}\right)^{-2} - \left(-\frac{1}{5}\right) = \frac{21}{5} = 4\frac{1}{5}$$

$$\left(-\frac{1}{4}\right)^{-1} - \frac{1}{3} = \left(-\frac{13}{3}\right) = \left(-4\frac{1}{3}\right)$$

$$\left(\frac{1}{4}\right)^{-1} + \frac{2}{5} = \frac{22}{5} = 4\frac{2}{5}$$

$$\left(\frac{3}{5}\right)^2 - \left(-\frac{1}{2}\right) = \frac{43}{50}$$

$$\left(\frac{1}{3}\right)^{-2} - \frac{1}{2} = \frac{17}{2} = 8\frac{1}{2}$$

$$\left(\frac{1}{5}\right)^0 + \frac{1}{2} = \frac{3}{2} = 1\frac{1}{2}$$

$$\left(\frac{1}{2}\right)^2 - \left(-\frac{1}{2}\right) = \frac{3}{4}$$

$$\left(\frac{1}{5}\right)^{-2} + \frac{1}{3} = \frac{76}{3} = 25\frac{1}{3}$$

$$\left(\frac{1}{4}\right)^{-1} + \left(-\frac{1}{2}\right) = \frac{7}{2} = 3\frac{1}{2}$$

$$\left(\frac{3}{5}\right) + \frac{3}{5} = \frac{6}{5} = 1\frac{1}{5}$$

$$\left(\frac{2}{5}\right)^{-1} + \left(-\frac{3}{4}\right) = \frac{7}{4} = 1\frac{3}{4}$$

$$\left(\frac{3}{5}\right)^{-2} - \left(-\frac{1}{6}\right) = \frac{53}{18} = 2\frac{17}{18}$$

$$\left(\frac{1}{2}\right)^{-2} - \left(-\frac{2}{5}\right) = \frac{22}{5} = 4\frac{2}{5}$$

$$\left(-\frac{1}{2}\right)^0 + \left(-\frac{1}{2}\right) = \frac{1}{2}$$

$$\left(-\frac{1}{2}\right)^{-1} - \left(-\frac{3}{5}\right) = \left(-\frac{7}{5}\right) = \left(-1\frac{2}{5}\right)$$

$$\left(-\frac{3}{4}\right)^{-1} - \left(-\frac{1}{6}\right) = \left(-\frac{7}{6}\right) = \left(-1\frac{1}{6}\right)$$

$$\left(-\frac{1}{4}\right)^{-1} - \left(-\frac{3}{4}\right) = \left(-\frac{13}{4}\right) = \left(-3\frac{1}{4}\right)$$

$$\left(\frac{3}{4}\right)^{-1} - \left(-\frac{1}{2}\right) = \frac{11}{6} = 1\frac{5}{6}$$