



Arithmétique des exposants (exposants
fractionnaires négatifs)

Nom: _____

Date: _____ Note: _____

$$\left(\frac{1}{2}\right)^0 + \left(-\frac{1}{4}\right) =$$

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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



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$$\left(\frac{1}{2}\right)^0 + \left(-\frac{1}{4}\right) = \frac{3}{4}$$

$$\left(-\frac{1}{6}\right) - \left(-\frac{1}{6}\right) = 0$$

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

$$\left(-\frac{1}{2}\right)^{(-2)} + \frac{1}{6} = \frac{25}{6} = 4\frac{1}{6}$$

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

$$\left(\frac{1}{5}\right)^{(-2)} - \left(-\frac{1}{6}\right) = \frac{151}{6} = 25\frac{1}{6}$$

$$\left(\frac{1}{5}\right)^{(-1)} - \left(-\frac{3}{5}\right) = \frac{28}{5} = 5\frac{3}{5}$$

$$\left(-\frac{3}{5}\right) - \left(-\frac{1}{4}\right) = \left(-\frac{7}{20}\right)$$

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

$$\left(\frac{1}{2}\right)^{(-1)} + \left(-\frac{1}{5}\right) = \frac{9}{5} = 1\frac{4}{5}$$

$$\left(\frac{1}{5}\right)^2 + \left(-\frac{1}{2}\right) = \left(-\frac{23}{50}\right)$$

$$\left(\frac{3}{4}\right)^{(-1)} - \frac{2}{5} = \frac{14}{15}$$

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

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

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

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

$$\left(-\frac{3}{4}\right)^2 - \left(-\frac{1}{2}\right) = \frac{17}{16} = 1\frac{1}{16}$$

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

$$\left(\frac{1}{5}\right)^2 - \left(-\frac{1}{4}\right) = \frac{29}{100}$$

$$\left(\frac{3}{4}\right)^{(-2)} + \frac{2}{5} = \frac{98}{45} = 2\frac{8}{45}$$