



Arithmetic of Exponents (Negative Fractional Exponents)

Name: \_\_\_\_\_

Date: \_\_\_\_\_ Score: \_\_\_\_\_

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

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

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

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

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

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

$$\left(\frac{1}{6}\right)^0 - \frac{1}{2} =$$

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

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

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

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

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

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

$$\left(\frac{1}{6}\right)^0 + \left(-\frac{1}{3}\right) =$$

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

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

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

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

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

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



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$$\left(-\frac{1}{4}\right)^{(-2)} + \frac{1}{3} = \frac{49}{3} = 16\frac{1}{3}$$

$$\left(\frac{1}{3}\right)^{(-1)} + \frac{1}{5} = \frac{16}{5} = 3\frac{1}{5}$$

$$\left(\frac{1}{2}\right)^{(-1)} + \frac{1}{6} = \frac{13}{6} = 2\frac{1}{6}$$

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

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

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

$$\left(\frac{1}{6}\right)^0 - \frac{1}{2} = \frac{1}{2}$$

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

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

$$\left(-\frac{1}{2}\right) - \left(-\frac{3}{5}\right) = \frac{1}{10}$$

$$\left(-\frac{1}{2}\right)^{(-2)} + \frac{1}{3} = \frac{13}{3} = 4\frac{1}{3}$$

$$\left(-\frac{1}{5}\right)^{(-1)} - \frac{1}{5} = \left(-\frac{26}{5}\right) = \left(-5\frac{1}{5}\right)$$

$$\left(\frac{2}{5}\right)^{(-1)} - \left(-\frac{1}{6}\right) = \frac{8}{3} = 2\frac{2}{3}$$

$$\left(\frac{1}{6}\right)^0 + \left(-\frac{1}{3}\right) = \frac{2}{3}$$

$$\left(\frac{1}{5}\right)^2 + \frac{1}{6} = \frac{31}{150}$$

$$\left(\frac{2}{5}\right)^2 + \frac{1}{5} = \frac{9}{25}$$

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

$$\left(-\frac{1}{3}\right)^2 - \frac{2}{5} = \left(-\frac{13}{45}\right)$$

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

$$\left(\frac{3}{5}\right)^{(-2)} + \frac{1}{3} = \frac{28}{9} = 3\frac{1}{9}$$