

Priorité des Opérations sur les Fractions (I)

Nom: _____

Date: _____

Effectuez chaque expression à l'aide de l'ordre correct des opérations.

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

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

$$\frac{7}{8} - \left(-\frac{7}{8}\right) \div \left(-\frac{7}{9}\right)^2$$

$$\left(\left(\frac{5}{6}\right)^2 + \left(-\frac{2}{9}\right)\right) \div \frac{2}{9}$$

$$\left(-\frac{7}{8}\right) + \left(-\frac{3}{8}\right) \div \left(-\frac{1}{3}\right)^2$$

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

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$$\begin{aligned} & \left(-\frac{2}{3}\right) + \left(-\frac{2}{9}\right) \div \left(-\frac{1}{5}\right)^2 \\ &= \left(-\frac{2}{3}\right) + \left(-\frac{2}{9}\right) \div \frac{1}{25} \\ &= \left(-\frac{2}{3}\right) + \left(-\frac{50}{9}\right) \\ &= -\frac{56}{9} \\ &= -6\frac{2}{9} \end{aligned}$$

$$\begin{aligned} & \left(\frac{1}{5} - \left(-\frac{2}{5}\right)\right)^2 \times \frac{3}{4} \\ &= \left(\frac{3}{5}\right)^2 \times \frac{3}{4} \\ &= \frac{9}{25} \times \frac{3}{4} \\ &= \frac{27}{100} \end{aligned}$$

$$\begin{aligned} & \frac{7}{8} - \left(-\frac{7}{8}\right) \div \left(-\frac{7}{9}\right)^2 \\ &= \frac{7}{8} - \left(-\frac{7}{8}\right) \div \frac{49}{81} \\ &= \frac{7}{8} - \left(-\frac{81}{56}\right) \\ &= \frac{65}{28} \\ &= 2\frac{9}{28} \end{aligned}$$

$$\begin{aligned} & \left(\left(\frac{5}{6}\right)^2 + \left(-\frac{2}{9}\right)\right) \div \frac{2}{9} \\ &= \left(\frac{25}{36} + \left(-\frac{2}{9}\right)\right) \div \frac{2}{9} \\ &= \frac{17}{36} \div \frac{2}{9} \\ &= \frac{17}{8} \\ &= 2\frac{1}{8} \end{aligned}$$

$$\begin{aligned} & \left(-\frac{7}{8}\right) + \left(-\frac{3}{8}\right) \div \left(-\frac{1}{3}\right)^2 \\ &= \left(-\frac{7}{8}\right) + \left(-\frac{3}{8}\right) \div \frac{1}{9} \\ &= \left(-\frac{7}{8}\right) + \left(-\frac{27}{8}\right) \\ &= -\frac{17}{4} \\ &= -4\frac{1}{4} \end{aligned}$$

$$\begin{aligned} & \left(-\frac{3}{4}\right) \div \left(-\frac{2}{3}\right) - \left(\frac{1}{6}\right)^2 \\ &= \left(-\frac{3}{4}\right) \div \left(-\frac{2}{3}\right) - \frac{1}{36} \\ &= \frac{9}{8} - \frac{1}{36} \\ &= \frac{79}{72} \\ &= 1\frac{7}{72} \end{aligned}$$