

Priorité des Opérations sur les Fractions (F)

Nom: _____

Date: _____

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

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

$$\left(\frac{4}{5}\right)^2 + \frac{1}{8} \div \frac{1}{4}$$

$$\frac{1}{9} \times \frac{5}{8} + \left(\frac{1}{2}\right)^3$$

$$\frac{5}{6} + \frac{3}{4} \div \left(\frac{3}{5}\right)^2$$

$$\frac{3}{5} \div \left(\frac{1}{2}\right)^2 - \frac{4}{9}$$

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

$$\frac{2}{9} \div \left(\frac{1}{6} - \left(\frac{1}{3}\right)^2\right)$$

$$\left(\left(\frac{1}{3}\right)^2 + \frac{4}{9}\right) \times \frac{3}{8}$$

$$\frac{5}{8} + \left(\frac{1}{8}\right)^2 \div \frac{1}{4}$$

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$$\begin{aligned} & \left(\frac{5}{6} - \frac{1}{6}\right)^3 \div \frac{1}{4} \\ &= \left(\frac{2}{3}\right)^3 \div \frac{1}{4} \\ &= \frac{8}{27} \div \frac{1}{4} \\ &= \frac{32}{27} \\ &= 1\frac{5}{27} \end{aligned}$$

$$\begin{aligned} & \left(\frac{4}{5}\right)^2 + \frac{1}{8} \div \frac{1}{4} \\ &= \frac{16}{25} + \frac{1}{8} \div \frac{1}{4} \\ &= \frac{16}{25} + \frac{1}{2} \\ &= \frac{57}{50} \\ &= 1\frac{7}{50} \end{aligned}$$

$$\begin{aligned} & \frac{1}{9} \times \frac{5}{8} + \left(\frac{1}{2}\right)^3 \\ &= \frac{1}{9} \times \frac{5}{8} + \frac{1}{8} \\ &= \frac{5}{72} + \frac{1}{8} \\ &= \frac{7}{36} \end{aligned}$$

$$\begin{aligned} & \frac{5}{6} + \frac{3}{4} \div \left(\frac{3}{5}\right)^2 \\ &= \frac{5}{6} + \frac{3}{4} \div \frac{9}{25} \\ &= \frac{5}{6} + \frac{25}{12} \\ &= \frac{35}{12} \\ &= 2\frac{11}{12} \end{aligned}$$

$$\begin{aligned} & \frac{3}{5} \div \left(\frac{1}{2}\right)^2 - \frac{4}{9} \\ &= \frac{3}{5} \div \frac{1}{4} - \frac{4}{9} \\ &= \frac{12}{5} - \frac{4}{9} \\ &= \frac{88}{45} \\ &= 1\frac{43}{45} \end{aligned}$$

$$\begin{aligned} & \left(\frac{5}{6} - \left(\frac{1}{2}\right)^2\right) \div \frac{3}{4} \\ &= \left(\frac{5}{6} - \frac{1}{4}\right) \div \frac{3}{4} \\ &= \frac{7}{12} \div \frac{3}{4} \\ &= \frac{7}{9} \end{aligned}$$

$$\begin{aligned} & \frac{2}{9} \div \left(\frac{1}{6} - \left(\frac{1}{3}\right)^2\right) \\ &= \frac{2}{9} \div \left(\frac{1}{6} - \frac{1}{9}\right) \\ &= \frac{2}{9} \div \frac{1}{18} \\ &= 4 \end{aligned}$$

$$\begin{aligned} & \left(\left(\frac{1}{3}\right)^2 + \frac{4}{9}\right) \times \frac{3}{8} \\ &= \left(\frac{1}{9} + \frac{4}{9}\right) \times \frac{3}{8} \\ &= \frac{5}{9} \times \frac{3}{8} \\ &= \frac{5}{24} \end{aligned}$$

$$\begin{aligned} & \frac{5}{8} + \left(\frac{1}{8}\right)^2 \div \frac{1}{4} \\ &= \frac{5}{8} + \frac{1}{64} \div \frac{1}{4} \\ &= \frac{5}{8} + \frac{1}{16} \\ &= \frac{11}{16} \end{aligned}$$