

Priorité des Opérations sur les Fractions (A)

Nom: _____

Date: _____

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

$$\left(\frac{5}{6}\right)^2 \times \left(\frac{1}{4} + \frac{7}{8}\right)$$

$$\frac{7}{8} + \frac{5}{8} \div \left(\frac{1}{4}\right)^2$$

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

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

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

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

$$\left(\left(\frac{1}{4}\right)^2 + \frac{1}{6}\right) \div \frac{1}{8}$$

$$\frac{1}{4} \div \left(\left(\frac{7}{8}\right)^2 - \frac{1}{2}\right)$$

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

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$$\begin{aligned} & \left(\frac{5}{6}\right)^2 \times \left(\frac{1}{4} + \frac{7}{8}\right) \\ &= \left(\frac{5}{6}\right)^2 \times \frac{9}{8} \\ &= \frac{25}{36} \times \frac{9}{8} \\ &= \frac{25}{32} \end{aligned}$$

$$\begin{aligned} & \frac{7}{8} + \frac{5}{8} \div \left(\frac{1}{4}\right)^2 \\ &= \frac{7}{8} + \frac{5}{8} \div \frac{1}{16} \\ &= \frac{7}{8} + 10 \\ &= \frac{87}{8} \\ &= 10\frac{7}{8} \end{aligned}$$

$$\begin{aligned} & \frac{5}{9} + \frac{2}{9} \div \left(\frac{1}{4}\right)^2 \\ &= \frac{5}{9} + \frac{2}{9} \div \frac{1}{16} \\ &= \frac{5}{9} + \frac{32}{9} \\ &= \frac{37}{9} \\ &= 4\frac{1}{9} \end{aligned}$$

$$\begin{aligned} & \left(\frac{1}{4} - \frac{2}{9}\right) \div \left(\frac{1}{2}\right)^2 \\ &= \frac{1}{36} \div \left(\frac{1}{2}\right)^2 \\ &= \frac{1}{36} \div \frac{1}{4} \\ &= \frac{1}{9} \end{aligned}$$

$$\begin{aligned} & \frac{1}{8} + \frac{4}{5} \times \left(\frac{1}{4}\right)^2 \\ &= \frac{1}{8} + \frac{4}{5} \times \frac{1}{16} \\ &= \frac{1}{8} + \frac{1}{20} \\ &= \frac{7}{40} \end{aligned}$$

$$\begin{aligned} & \left(\frac{5}{6} - \left(\frac{1}{3}\right)^2\right) \times \frac{1}{2} \\ &= \left(\frac{5}{6} - \frac{1}{9}\right) \times \frac{1}{2} \\ &= \frac{13}{18} \times \frac{1}{2} \\ &= \frac{13}{36} \end{aligned}$$

$$\begin{aligned} & \left(\left(\frac{1}{4}\right)^2 + \frac{1}{6}\right) \div \frac{1}{8} \\ &= \left(\frac{1}{16} + \frac{1}{6}\right) \div \frac{1}{8} \\ &= \frac{11}{48} \div \frac{1}{8} \\ &= \frac{11}{6} \\ &= 1\frac{5}{6} \end{aligned}$$

$$\begin{aligned} & \frac{1}{4} \div \left(\left(\frac{7}{8}\right)^2 - \frac{1}{2}\right) \\ &= \frac{1}{4} \div \left(\frac{49}{64} - \frac{1}{2}\right) \\ &= \frac{1}{4} \div \frac{17}{64} \\ &= \frac{16}{17} \end{aligned}$$

$$\begin{aligned} & \left(\frac{1}{9}\right)^2 \div \frac{1}{3} + \frac{2}{3} \\ &= \frac{1}{81} \div \frac{1}{3} + \frac{2}{3} \\ &= \frac{1}{27} + \frac{2}{3} \\ &= \frac{19}{27} \end{aligned}$$