

Priorité des Opérations sur les Fractions (G)

Nom: _____

Date: _____

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

$$\left(\left(\frac{1}{2}\right)^2 + \frac{3}{4}\right) \times \frac{5}{8}$$

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

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

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

$$\left(\frac{2}{5} + \frac{4}{5}\right)^2 \div \frac{8}{9}$$

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

$$\left(\frac{1}{2}\right)^2 \div \left(\frac{8}{9} - \frac{2}{9}\right)$$

$$\left(\frac{3}{4}\right)^2 + \frac{5}{6} \div \frac{5}{9}$$

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

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

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

$$\begin{aligned} & \frac{4}{5} - \frac{1}{8} \div \left(\frac{5}{8} \right)^2 \\ &= \frac{4}{5} - \frac{1}{8} \div \frac{25}{64} \\ &= \frac{4}{5} - \frac{8}{25} \\ &= \frac{12}{25} \end{aligned}$$

$$\begin{aligned} & \frac{8}{9} + \frac{2}{5} \times \left(\frac{2}{3} \right)^2 \\ &= \frac{8}{9} + \frac{2}{5} \times \frac{4}{9} \\ &= \frac{8}{9} + \frac{8}{45} \\ &= \frac{16}{15} \\ &= 1\frac{1}{15} \end{aligned}$$

$$\begin{aligned} & \left(\frac{2}{5} + \frac{4}{5} \right)^2 \div \frac{8}{9} \\ &= \left(\frac{6}{5} \right)^2 \div \frac{8}{9} \\ &= \frac{36}{25} \div \frac{8}{9} \\ &= \frac{81}{50} \\ &= 1\frac{31}{50} \end{aligned}$$

$$\begin{aligned} & \left(\frac{7}{8} - \frac{3}{8} \right) \times \left(\frac{1}{2} \right)^2 \\ &= \frac{1}{2} \times \left(\frac{1}{2} \right)^2 \\ &= \frac{1}{2} \times \frac{1}{4} \\ &= \frac{1}{8} \end{aligned}$$

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

$$\begin{aligned} & \left(\frac{3}{4} \right)^2 + \frac{5}{6} \div \frac{5}{9} \\ &= \frac{9}{16} + \frac{5}{6} \div \frac{5}{9} \\ &= \frac{9}{16} + \frac{3}{2} \\ &= \frac{33}{16} \\ &= 2\frac{1}{16} \end{aligned}$$

$$\begin{aligned} & \frac{8}{9} \times \frac{1}{3} + \left(\frac{4}{9} \right)^2 \\ &= \frac{8}{9} \times \frac{1}{3} + \frac{16}{81} \\ &= \frac{8}{27} + \frac{16}{81} \\ &= \frac{40}{81} \end{aligned}$$