

Priorité des Opérations sur les Fractions (H)

Nom: _____

Date: _____

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

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

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

$$\left(\frac{3}{4}\right)^2 + \frac{7}{8} \times \frac{3}{5}$$

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

$$\frac{4}{9} \div \left(\frac{5}{6} + \frac{1}{6}\right)^2$$

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

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

$$\frac{1}{6} \div \left(\frac{7}{9} + \left(\frac{1}{3}\right)^3\right)$$

$$\left(\frac{1}{9}\right)^2 \div \frac{4}{9} + \frac{1}{6}$$

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$$\begin{aligned} & \left(\frac{2}{3}\right)^2 + \frac{1}{8} \div \frac{1}{5} \\ &= \frac{4}{9} + \frac{1}{8} \div \frac{1}{5} \\ &= \frac{4}{9} + \frac{5}{8} \\ &= \frac{77}{72} \\ &= 1\frac{5}{72} \end{aligned}$$

$$\begin{aligned} & \frac{3}{8} + \frac{7}{8} \times \left(\frac{1}{3}\right)^2 \\ &= \frac{3}{8} + \frac{7}{8} \times \frac{1}{9} \\ &= \frac{3}{8} + \frac{7}{72} \\ &= \frac{17}{36} \end{aligned}$$

$$\begin{aligned} & \left(\frac{3}{4}\right)^2 + \frac{7}{8} \times \frac{3}{5} \\ &= \frac{9}{16} + \frac{7}{8} \times \frac{3}{5} \\ &= \frac{9}{16} + \frac{21}{40} \\ &= \frac{87}{80} \\ &= 1\frac{7}{80} \end{aligned}$$

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

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

$$\begin{aligned} & \frac{1}{3} \times \left(\frac{5}{6} + \frac{1}{2}\right)^2 \\ &= \frac{1}{3} \times \left(\frac{4}{3}\right)^2 \\ &= \frac{1}{3} \times \frac{16}{9} \\ &= \frac{16}{27} \end{aligned}$$

$$\begin{aligned} & \frac{8}{9} \times \left(\frac{2}{9} + \left(\frac{1}{2}\right)^2\right) \\ &= \frac{8}{9} \times \left(\frac{2}{9} + \frac{1}{4}\right) \\ &= \frac{8}{9} \times \frac{17}{36} \\ &= \frac{34}{81} \end{aligned}$$

$$\begin{aligned} & \frac{1}{6} \div \left(\frac{7}{9} + \left(\frac{1}{3}\right)^3\right) \\ &= \frac{1}{6} \div \left(\frac{7}{9} + \frac{1}{27}\right) \\ &= \frac{1}{6} \div \frac{22}{27} \\ &= \frac{9}{44} \end{aligned}$$

$$\begin{aligned} & \left(\frac{1}{9}\right)^2 \div \frac{4}{9} + \frac{1}{6} \\ &= \frac{1}{81} \div \frac{4}{9} + \frac{1}{6} \\ &= \frac{1}{36} + \frac{1}{6} \\ &= \frac{7}{36} \end{aligned}$$