

# Priorité des Opérations sur les Fractions (J)

Nom: \_\_\_\_\_

Date: \_\_\_\_\_

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

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

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

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

$$\left(\frac{5}{8}\right)^2 + \frac{1}{6} \times \frac{3}{8}$$

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

$$\left(\frac{5}{8}\right)^2 \div \left(\frac{2}{3} - \frac{1}{6}\right)$$

$$\frac{7}{8} \div \left(\frac{3}{4}\right)^3 + \frac{2}{9}$$

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

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

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$$\begin{aligned} & \frac{8}{9} + \left(\frac{1}{4}\right)^2 \times \frac{2}{9} \\ &= \frac{8}{9} + \frac{1}{16} \times \frac{2}{9} \\ &= \frac{8}{9} + \frac{1}{72} \\ &= \frac{65}{72} \end{aligned}$$

$$\begin{aligned} & \frac{7}{8} \div \left(\frac{2}{3} - \left(\frac{1}{3}\right)^2\right) \\ &= \frac{7}{8} \div \left(\frac{2}{3} - \frac{1}{9}\right) \\ &= \frac{7}{8} \div \frac{5}{9} \\ &= \frac{63}{40} \\ &= 1\frac{23}{40} \end{aligned}$$

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

$$\begin{aligned} & \left(\frac{5}{8}\right)^2 + \frac{1}{6} \times \frac{3}{8} \\ &= \frac{25}{64} + \frac{1}{6} \times \frac{3}{8} \\ &= \frac{25}{64} + \frac{1}{16} \\ &= \frac{29}{64} \end{aligned}$$

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

$$\begin{aligned} & \left(\frac{5}{8}\right)^2 \div \left(\frac{2}{3} - \frac{1}{8}\right) \\ &= \left(\frac{5}{8}\right)^2 \div \frac{1}{2} \\ &= \frac{25}{64} \div \frac{1}{2} \\ &= \frac{25}{32} \end{aligned}$$

$$\begin{aligned} & \frac{7}{8} \div \left(\frac{3}{4}\right)^3 + \frac{2}{9} \\ &= \frac{7}{8} \div \frac{27}{64} + \frac{2}{9} \\ &= \frac{56}{27} + \frac{2}{9} \\ &= \frac{62}{27} \\ &= 2\frac{8}{27} \end{aligned}$$

$$\begin{aligned} & \frac{2}{3} - \frac{1}{5} \times \left(\frac{5}{6}\right)^2 \\ &= \frac{2}{3} - \frac{1}{5} \times \frac{25}{36} \\ &= \frac{2}{3} - \frac{5}{36} \\ &= \frac{19}{36} \end{aligned}$$

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