

## Priorité des Opérations sur les Fractions (B)

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

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

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

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

$$\frac{8}{9} \times \frac{5}{6} - \left(\frac{2}{9}\right)^2$$

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

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

$$\left(\frac{7}{8} + \left(\frac{5}{8}\right)^2\right) \times \frac{7}{9}$$

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

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

$$\frac{7}{9} \times \left(\frac{3}{8} + \frac{1}{8}\right)^2$$

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

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$$\begin{aligned} & \frac{4}{9} + \frac{4}{5} \div \left(\frac{3}{5}\right)^2 \\ &= \frac{4}{9} + \frac{4}{5} \div \frac{9}{25} \\ &= \frac{4}{9} + \frac{20}{9} \\ &= \frac{8}{3} \\ &= 2\frac{2}{3} \end{aligned}$$

$$\begin{aligned} & \frac{8}{9} \times \frac{5}{6} - \left(\frac{2}{9}\right)^2 \\ &= \frac{8}{9} \times \frac{5}{6} - \frac{4}{81} \\ &= \frac{20}{27} - \frac{4}{81} \\ &= \frac{56}{81} \end{aligned}$$

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

$$\begin{aligned} & \frac{2}{5} - \left(\frac{1}{8}\right)^2 \div \frac{1}{4} \\ &= \frac{2}{5} - \frac{1}{64} \div \frac{1}{4} \\ &= \frac{2}{5} - \frac{1}{16} \\ &= \frac{27}{80} \end{aligned}$$

$$\begin{aligned} & \left(\frac{7}{8} + \left(\frac{5}{8}\right)^2\right) \times \frac{7}{9} \\ &= \left(\frac{7}{8} + \frac{25}{64}\right) \times \frac{7}{9} \\ &= \frac{81}{64} \times \frac{7}{9} \\ &= \frac{63}{64} \end{aligned}$$

$$\begin{aligned} & \left(\frac{3}{5} + \frac{2}{5}\right) \times \left(\frac{1}{9}\right)^2 \\ &= 1 \times \left(\frac{1}{9}\right)^2 \\ &= 1 \times \frac{1}{81} \\ &= \frac{1}{81} \end{aligned}$$

$$\begin{aligned} & \left(\frac{2}{5} - \frac{2}{9}\right) \times \left(\frac{5}{8}\right)^2 \\ &= \frac{8}{45} \times \left(\frac{5}{8}\right)^2 \\ &= \frac{8}{45} \times \frac{25}{64} \\ &= \frac{5}{72} \end{aligned}$$

$$\begin{aligned} & \frac{7}{9} \times \left(\frac{3}{8} + \frac{1}{8}\right)^2 \\ &= \frac{7}{9} \times \left(\frac{1}{2}\right)^2 \\ &= \frac{7}{9} \times \frac{1}{4} \\ &= \frac{7}{36} \end{aligned}$$

$$\begin{aligned} & \frac{5}{8} \div \frac{1}{5} + \left(\frac{1}{4}\right)^2 \\ &= \frac{5}{8} \div \frac{1}{5} + \frac{1}{16} \\ &= \frac{25}{8} + \frac{1}{16} \\ &= \frac{51}{16} \\ &= 3\frac{3}{16} \end{aligned}$$