

# Priorité des Opérations sur les Fractions (C)

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

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

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

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

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

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

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

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

$$\frac{2}{3} - \left(\frac{3}{8}\right)^2 \div \frac{3}{4}$$

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

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

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

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$$\begin{aligned} & \left(\frac{2}{3} + \frac{7}{8}\right) \times \left(\frac{1}{2}\right)^2 \\ &= \frac{37}{24} \times \left(\frac{1}{2}\right)^2 \\ &= \frac{37}{24} \times \frac{1}{4} \\ &= \frac{37}{96} \end{aligned}$$

$$\begin{aligned} & \frac{1}{8} \div \frac{5}{6} + \left(\frac{2}{5}\right)^2 \\ &= \frac{1}{8} \div \frac{5}{6} + \frac{4}{25} \\ &= \frac{3}{20} + \frac{4}{25} \\ &= \frac{31}{100} \end{aligned}$$

$$\begin{aligned} & \left(\frac{3}{4}\right)^2 \div \left(\frac{1}{5} + \frac{3}{8}\right) \\ &= \left(\frac{3}{4}\right)^2 \div \frac{23}{40} \\ &= \frac{9}{16} \div \frac{23}{40} \\ &= \frac{45}{46} \end{aligned}$$

$$\begin{aligned} & \frac{1}{3} + \frac{3}{4} \div \left(\frac{1}{2}\right)^3 \\ &= \frac{1}{3} + \frac{3}{4} \div \frac{1}{8} \\ &= \frac{1}{3} + 6 \\ &= \frac{19}{3} \\ &= 6\frac{1}{3} \end{aligned}$$

$$\begin{aligned} & \frac{1}{2} + \left(\frac{2}{9}\right)^2 \div \frac{1}{9} \\ &= \frac{1}{2} + \frac{4}{81} \div \frac{1}{9} \\ &= \frac{1}{2} + \frac{4}{9} \\ &= \frac{17}{18} \end{aligned}$$

$$\begin{aligned} & \frac{2}{3} - \left(\frac{3}{8}\right)^2 \div \frac{3}{4} \\ &= \frac{2}{3} - \frac{9}{64} \div \frac{3}{4} \\ &= \frac{2}{3} - \frac{3}{16} \\ &= \frac{23}{48} \end{aligned}$$

$$\begin{aligned} & \left(\frac{1}{9} + \frac{2}{9}\right) \div \left(\frac{4}{9}\right)^2 \\ &= \frac{1}{3} \div \left(\frac{4}{9}\right)^2 \\ &= \frac{1}{3} \div \frac{16}{81} \\ &= \frac{27}{16} \\ &= 1\frac{11}{16} \end{aligned}$$

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

$$\begin{aligned} & \frac{2}{3} \div \frac{5}{9} - \left(\frac{1}{2}\right)^2 \\ &= \frac{2}{3} \div \frac{5}{9} - \frac{1}{4} \\ &= \frac{6}{5} - \frac{1}{4} \\ &= \frac{19}{20} \end{aligned}$$