

Orden de Operaciones con Decimales (B)

Nombre: _____

Fecha: _____

Resuelva cada expresión usando el orden de operaciones correcto.

$$\left(\frac{2}{3} + \frac{7}{9} - \frac{3}{8}\right) \div \left(\frac{1}{3} \times \left(\frac{5}{6} + \frac{3}{4}\right)\right)$$

$$\left(\frac{1}{6} \times \frac{1}{9}\right) \div \left(\frac{4}{5} - \frac{7}{9} + \frac{1}{5}\right) \div \frac{2}{5}$$

$$\left(\frac{3}{5} \div \left(\frac{1}{2} - \frac{4}{9} + \frac{5}{6}\right)\right) \times \left(\frac{8}{9} \times \frac{1}{6}\right)$$

$$\frac{8}{9} \div \left(\frac{5}{6} - \frac{1}{2} + \frac{1}{3}\right) \times \left(\frac{3}{8} \div \frac{1}{5}\right)$$

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Resuelva cada expresión usando el orden de operaciones correcto.

$$\begin{aligned} & \left(\frac{2}{3} + \frac{7}{9} - \frac{3}{8} \right) \div \left(\frac{1}{3} \times \left(\frac{5}{6} + \frac{3}{4} \right) \right) \\ &= \left(\frac{13}{9} - \frac{3}{8} \right) \div \left(\frac{1}{3} \times \left(\frac{5}{6} + \frac{3}{4} \right) \right) \\ &= \frac{77}{72} \div \left(\frac{1}{3} \times \left(\frac{5}{6} + \frac{3}{4} \right) \right) \\ &= \frac{77}{72} \div \left(\frac{1}{3} \times \frac{19}{12} \right) \\ &= \frac{77}{72} \div \frac{19}{36} \\ &= \frac{77}{38} \\ &= 2\frac{1}{38} \end{aligned}$$

$$\begin{aligned} & \left(\frac{1}{6} \times \frac{1}{9} \right) \div \left(\frac{4}{5} - \frac{7}{9} + \frac{1}{5} \right) \div \frac{2}{5} \\ &= \frac{1}{54} \div \left(\frac{4}{5} - \frac{7}{9} + \frac{1}{5} \right) \div \frac{2}{5} \\ &= \frac{1}{54} \div \left(\frac{1}{45} + \frac{1}{5} \right) \div \frac{2}{5} \\ &= \frac{1}{54} \div \frac{2}{9} \div \frac{2}{5} \\ &= \frac{1}{12} \div \frac{2}{5} \\ &= \frac{5}{24} \end{aligned}$$

$$\begin{aligned} & \left(\frac{3}{5} \div \left(\frac{1}{2} - \frac{4}{9} + \frac{5}{6} \right) \right) \times \left(\frac{8}{9} \times \frac{1}{6} \right) \\ &= \left(\frac{3}{5} \div \left(\frac{1}{18} + \frac{5}{6} \right) \right) \times \left(\frac{8}{9} \times \frac{1}{6} \right) \\ &= \left(\frac{3}{5} \div \frac{8}{9} \right) \times \left(\frac{8}{9} \times \frac{1}{6} \right) \\ &= \frac{27}{40} \times \left(\frac{8}{9} \times \frac{1}{6} \right) \\ &= \frac{27}{40} \times \frac{4}{27} \\ &= \frac{1}{10} \end{aligned}$$

$$\begin{aligned} & \frac{8}{9} \div \left(\frac{5}{6} - \frac{1}{2} + \frac{1}{3} \right) \times \left(\frac{3}{8} \div \frac{1}{5} \right) \\ &= \frac{8}{9} \div \left(\frac{1}{3} + \frac{1}{3} \right) \times \left(\frac{3}{8} \div \frac{1}{5} \right) \\ &= \frac{8}{9} \div \frac{2}{3} \times \left(\frac{3}{8} \div \frac{1}{5} \right) \\ &= \frac{8}{9} \div \frac{2}{3} \times \frac{15}{8} \\ &= \frac{4}{3} \times \frac{15}{8} \\ &= \frac{5}{2} \\ &= 2\frac{1}{2} \end{aligned}$$