

Orden de Operaciones con Decimales (D)

Nombre: _____

Fecha: _____

Resuelva cada expresión usando el orden de operaciones correcto.

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

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

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

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

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$$\begin{aligned} & \frac{1}{3} + \frac{7}{8} - \frac{1}{8} \times \left(\frac{2}{3} \div \left(\frac{1}{4} + \frac{1}{2} \right) \right) \\ &= \frac{1}{3} + \frac{7}{8} - \frac{1}{8} \times \left(\frac{2}{3} \div \frac{3}{4} \right) \\ &= \frac{1}{3} + \frac{7}{8} - \frac{1}{8} \times \frac{8}{9} \\ &= \frac{1}{3} + \frac{7}{8} - \frac{1}{9} \\ &= \frac{29}{24} - \frac{1}{9} \\ &= \frac{79}{72} \\ &= 1\frac{7}{72} \end{aligned}$$

$$\begin{aligned} & \left(\frac{3}{8} \div \frac{1}{6} \right) \times \left(\frac{1}{2} + \frac{2}{9} - \frac{1}{3} + \frac{7}{8} \right) \\ &= \frac{9}{4} \times \left(\frac{1}{2} + \frac{2}{9} - \frac{1}{3} + \frac{7}{8} \right) \\ &= \frac{9}{4} \times \left(\frac{13}{18} - \frac{1}{3} + \frac{7}{8} \right) \\ &= \frac{9}{4} \times \left(\frac{7}{18} + \frac{7}{8} \right) \\ &= \frac{9}{4} \times \frac{91}{72} \\ &= \frac{91}{32} \\ &= 2\frac{27}{32} \end{aligned}$$

$$\begin{aligned} & \left(\frac{1}{2} + \frac{1}{3} - \frac{1}{5} \right) \div \left(\frac{3}{4} \times \left(\frac{1}{6} \times \frac{2}{3} \right) \right) \\ &= \left(\frac{5}{6} - \frac{1}{5} \right) \div \left(\frac{3}{4} \times \left(\frac{1}{6} \times \frac{2}{3} \right) \right) \\ &= \frac{19}{30} \div \left(\frac{3}{4} \times \left(\frac{1}{6} \times \frac{2}{3} \right) \right) \\ &= \frac{19}{30} \div \left(\frac{3}{4} \times \frac{1}{9} \right) \\ &= \frac{19}{30} \div \frac{1}{12} \\ &= \frac{38}{5} \\ &= 7\frac{3}{5} \end{aligned}$$

$$\begin{aligned} & \left(\frac{2}{3} \div \left(\frac{1}{4} + \frac{3}{4} - \frac{2}{9} \right) \right) \times \left(\frac{7}{8} \div \frac{1}{2} \right) \\ &= \left(\frac{2}{3} \div \left(1 - \frac{2}{9} \right) \right) \times \left(\frac{7}{8} \div \frac{1}{2} \right) \\ &= \left(\frac{2}{3} \div \frac{7}{9} \right) \times \left(\frac{7}{8} \div \frac{1}{2} \right) \\ &= \frac{6}{7} \times \left(\frac{7}{8} \div \frac{1}{2} \right) \\ &= \frac{6}{7} \times \frac{7}{4} \\ &= \frac{3}{2} \\ &= 1\frac{1}{2} \end{aligned}$$