

Orden de Operaciones con Decimales (C)

Nombre: _____

Fecha: _____

Resuelva cada expresión usando el orden de operaciones correcto.

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

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

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

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

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Fecha: _____

Resuelva cada expresión usando el orden de operaciones correcto.

$$\begin{aligned} & \frac{2}{3} \times \left(\frac{4}{9} - \frac{2}{9} \right) \div \left(\frac{1}{3} + \frac{8}{9} \right) \div \frac{1}{5} \times \frac{1}{4} \\ &= \frac{2}{3} \times \frac{2}{9} \div \left(\frac{1}{3} + \frac{8}{9} \right) \div \frac{1}{5} \times \frac{1}{4} \\ &= \frac{2}{3} \times \frac{2}{9} \div \frac{11}{9} \div \frac{1}{5} \times \frac{1}{4} \\ &= \frac{4}{27} \div \frac{11}{9} \div \frac{1}{5} \times \frac{1}{4} \\ &= \frac{4}{33} \div \frac{1}{5} \times \frac{1}{4} \\ &= \frac{20}{33} \times \frac{1}{4} \\ &= \frac{5}{33} \end{aligned}$$

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

$$\begin{aligned} & \frac{3}{5} \div \left(\frac{2}{9} + \frac{1}{2} - \frac{5}{9} \right) \times \left(\frac{5}{8} + \frac{7}{8} - \frac{3}{4} \right) \\ &= \frac{3}{5} \div \left(\frac{13}{18} - \frac{5}{9} \right) \times \left(\frac{5}{8} + \frac{7}{8} - \frac{3}{4} \right) \\ &= \frac{3}{5} \div \frac{1}{6} \times \left(\frac{5}{8} + \frac{7}{8} - \frac{3}{4} \right) \\ &= \frac{3}{5} \div \frac{1}{6} \times \left(\frac{3}{2} - \frac{3}{4} \right) \\ &= \frac{3}{5} \div \frac{1}{6} \times \frac{3}{4} \\ &= \frac{18}{5} \times \frac{3}{4} \\ &= \frac{27}{10} \\ &= 2\frac{7}{10} \end{aligned}$$

$$\begin{aligned} & \frac{5}{9} \div \frac{2}{3} + \frac{1}{2} - \frac{7}{9} \times \left(\left(\frac{3}{8} - \frac{1}{6} \right) \div \frac{7}{8} \right) \\ &= \frac{5}{9} \div \frac{2}{3} + \frac{1}{2} - \frac{7}{9} \times \left(\frac{5}{24} \div \frac{7}{8} \right) \\ &= \frac{5}{9} \div \frac{2}{3} + \frac{1}{2} - \frac{7}{9} \times \frac{5}{21} \\ &= \frac{5}{6} + \frac{1}{2} - \frac{7}{9} \times \frac{5}{21} \\ &= \frac{5}{6} + \frac{1}{2} - \frac{5}{27} \\ &= \frac{4}{3} - \frac{5}{27} \\ &= \frac{31}{27} \\ &= 1\frac{4}{27} \end{aligned}$$