

Orden de Operaciones con Decimales (A)

Nombre: _____

Fecha: _____

Resuelva cada expresión usando el orden de operaciones correcto.

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

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

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

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

Orden de Operaciones con Decimales (A)

Nombre: _____

Fecha: _____

Resuelva cada expresión usando el orden de operaciones correcto.

$$\begin{aligned} & \left(\left(\frac{1}{8} + \frac{1}{4} \right) \times \left(\frac{2}{5} - \frac{1}{3} \right) \right) \div \frac{1}{9} - \frac{1}{5} + \frac{3}{8} \\ &= \left(\frac{3}{8} \times \left(\frac{2}{5} - \frac{1}{3} \right) \right) \div \frac{1}{9} - \frac{1}{5} + \frac{3}{8} \\ &= \left(\frac{3}{8} \times \frac{1}{15} \right) \div \frac{1}{9} - \frac{1}{5} + \frac{3}{8} \\ &= \frac{1}{40} \div \frac{1}{9} - \frac{1}{5} + \frac{3}{8} \\ &= \frac{9}{40} - \frac{1}{5} + \frac{3}{8} \\ &= \frac{1}{40} + \frac{3}{8} \\ &= \frac{2}{5} \end{aligned}$$

$$\begin{aligned} & \left(\frac{5}{6} \div \frac{2}{3} \right) \times \left(\frac{7}{9} - \frac{4}{9} + \frac{3}{5} - \frac{5}{9} + \frac{2}{9} \right) \\ &= \frac{5}{4} \times \left(\frac{7}{9} - \frac{4}{9} + \frac{3}{5} - \frac{5}{9} + \frac{2}{9} \right) \\ &= \frac{5}{4} \times \left(\frac{1}{3} + \frac{3}{5} - \frac{5}{9} + \frac{2}{9} \right) \\ &= \frac{5}{4} \times \left(\frac{14}{15} - \frac{5}{9} + \frac{2}{9} \right) \\ &= \frac{5}{4} \times \left(\frac{17}{45} + \frac{2}{9} \right) \\ &= \frac{5}{4} \times \frac{3}{5} \\ &= \frac{3}{4} \end{aligned}$$

$$\begin{aligned} & \left(\frac{5}{9} + \frac{4}{9} \right) \div \frac{1}{2} \times \left(\left(\frac{3}{4} - \frac{1}{5} \right) \div \frac{1}{4} \right) \times \frac{5}{6} \\ &= 1 \div \frac{1}{2} \times \left(\left(\frac{3}{4} - \frac{1}{5} \right) \div \frac{1}{4} \right) \times \frac{5}{6} \\ &= 1 \div \frac{1}{2} \times \left(\frac{11}{20} \div \frac{1}{4} \right) \times \frac{5}{6} \\ &= 1 \div \frac{1}{2} \times \frac{11}{5} \times \frac{5}{6} \\ &= 2 \times \frac{11}{5} \times \frac{5}{6} \\ &= \frac{22}{5} \times \frac{5}{6} \\ &= \frac{11}{3} \\ &= 3\frac{2}{3} \end{aligned}$$

$$\begin{aligned} & \frac{1}{8} \times \left(\left(\frac{2}{3} - \frac{4}{9} + \frac{8}{9} \right) \div \left(\frac{3}{8} + \frac{1}{3} - \frac{5}{8} \right) \right) \\ &= \frac{1}{8} \times \left(\left(\frac{2}{9} + \frac{8}{9} \right) \div \left(\frac{3}{8} + \frac{1}{3} - \frac{5}{8} \right) \right) \\ &= \frac{1}{8} \times \left(\frac{10}{9} \div \left(\frac{3}{8} + \frac{1}{3} - \frac{5}{8} \right) \right) \\ &= \frac{1}{8} \times \left(\frac{10}{9} \div \left(\frac{17}{24} - \frac{5}{8} \right) \right) \\ &= \frac{1}{8} \times \left(\frac{10}{9} \div \frac{1}{12} \right) \\ &= \frac{1}{8} \times \frac{40}{3} \\ &= \frac{5}{3} \\ &= 1\frac{2}{3} \end{aligned}$$