

OPERACIONES COMBINADAS CON FRACCIONES

Resuelve, simplifica paso a paso todo lo posible.

$$\text{a) } \frac{1}{5} : \frac{4}{15} : \frac{6}{28} - \left(\frac{25}{20} - \frac{2}{3} \right) : \left(1 - \frac{4}{6} \right) = \frac{\quad}{\quad} \cdot \frac{\quad}{\quad} - \left(\frac{\quad}{\quad} \right) : \left(\frac{\quad}{\quad} \right) =$$

$$\frac{\quad}{\quad} - \left(\frac{\quad}{\quad} \right) : \left(\frac{\quad}{\quad} \right) = \frac{\quad}{\quad} : \frac{\quad}{\quad} = \frac{\quad}{\quad} = \frac{\quad}{\quad}$$

$$\text{b) } 1 - \frac{9}{4} : \frac{17}{8} \cdot \frac{5}{9} : \frac{2}{17} = \frac{\quad}{\quad} \cdot \frac{\quad}{\quad} \cdot \frac{\quad}{\quad} = \frac{\quad}{\quad} = \frac{\quad}{\quad}$$

$$\text{c) } \frac{4}{3} \cdot \left(\frac{2}{5} + \frac{1}{4} \right) - \left(\frac{2}{3} - \frac{4}{7} \right) : \frac{5}{49} = \frac{\quad}{\quad} \cdot \left(\frac{\quad}{\quad} + \frac{\quad}{\quad} \right) - \left(\frac{\quad}{\quad} - \frac{\quad}{\quad} \right) : \frac{\quad}{\quad} =$$

$$\frac{\quad}{\quad} \cdot \frac{\quad}{\quad} - \frac{\quad}{\quad} : \frac{\quad}{\quad} = \frac{\quad}{\quad} - \frac{\quad}{\quad} = \frac{\quad}{\quad} = \frac{\quad}{\quad}$$

$$\text{d) } \frac{-16}{15} - \frac{2}{5} \cdot \left[\frac{2}{3} - 8 \cdot \left(\frac{5}{12} - \frac{3}{16} \right) \right] = \frac{\quad}{\quad}$$

$$\text{e) } \frac{1}{3} : \frac{3}{2} - \frac{4}{5} : \frac{20}{3} + \frac{1}{36} - \frac{9}{2} : \frac{9}{5} : 20 = \frac{\quad}{\quad}$$