

1. Realiza las siguientes operaciones combinadas con fracciones teniendo en cuenta la jerarquía de las operaciones y simplifica el resultado cuando sea posible.

a	$\frac{1}{4} \cdot \frac{3}{5} + \frac{1}{2} : 10 = \frac{\square}{\square} + \frac{\square}{\square} = \frac{\square}{\square} = \frac{\square}{\square}$
b	$\frac{19}{36} : \frac{5}{4} + \frac{11}{20} = \frac{\square}{\square} + \frac{11}{20} = \frac{\square}{\square} + \frac{\square}{\square} = \frac{\square}{\square} = \frac{\square}{\square}$
c	$\frac{2}{5} + \frac{3}{5} \cdot \left(\frac{7}{9} - \frac{1}{6} \cdot \frac{8}{3} \right) = \frac{2}{5} + \frac{3}{5} \cdot \left(\frac{7}{9} - \frac{\square}{\square} \right) = \frac{2}{5} + \frac{3}{5} \cdot \left(\frac{\square}{\square} - \frac{\square}{\square} \right) = \frac{2}{5} + \frac{3}{5} \cdot \frac{\square}{\square} =$ $= \frac{2}{5} + \frac{3}{5} \cdot \frac{\square}{\square} = \frac{2}{5} + \frac{\square}{\square} = \frac{2}{5} + \frac{\square}{\square} = \frac{\square}{\square}$
e	$\left(1 - \frac{2}{5} \right) \cdot \left[\frac{2}{3} - \left(\frac{3}{4} - \frac{2}{5} \right) \cdot \left(1 + \frac{3}{7} \right) \right] = \left(\frac{\square}{\square} \right) \cdot \left[\frac{2}{3} - \left(\frac{\square}{\square} \right) \cdot \left(\frac{\square}{\square} + \frac{\square}{\square} \right) \right] =$ $= \frac{\square}{\square} \cdot \left[\frac{2}{3} - \frac{\square}{\square} \cdot \frac{\square}{\square} \right] = \frac{\square}{\square} \cdot \left[\frac{2}{3} - \frac{\square}{\square} \right] = \frac{\square}{\square} \cdot \frac{\square}{\square} = \frac{\square}{\square}$
f	$\left(\frac{1}{3} + \frac{1}{2} \right) \cdot \left[\frac{3}{5} - \left(\frac{5}{6} - \frac{3}{4} \right) : \left(\frac{2}{3} - \frac{1}{4} \right) \right] = \left(\frac{\square}{\square} + \frac{\square}{\square} \right) \cdot \left[\frac{3}{5} - \left(\frac{\square}{\square} - \frac{\square}{\square} \right) : \left(\frac{\square}{\square} - \frac{\square}{\square} \right) \right] =$ $= \frac{\square}{\square} \cdot \left[\frac{3}{5} - \left(\frac{\square}{\square} - \frac{\square}{\square} \right) : \left(\frac{\square}{\square} - \frac{\square}{\square} \right) \right] = \frac{\square}{\square} \cdot \left[\frac{3}{5} - \frac{\square}{\square} \right] = \frac{\square}{\square} \cdot \left[\frac{3}{5} - \frac{\square}{\square} \right] = \frac{\square}{\square} \cdot \frac{\square}{\square} = \frac{\square}{\square}$
g	$\left[\frac{2}{7} - \left(\frac{1}{4} - \frac{2}{5} \right) : \left(\frac{3}{10} - 1 \right) \right] : \left(\frac{1}{2} - \frac{3}{14} \right) = \left[\frac{2}{7} - \left(\frac{\square}{\square} - \frac{\square}{\square} \right) : \left(\frac{\square}{\square} - \frac{\square}{\square} \right) \right] : \left(\frac{\square}{\square} - \frac{\square}{\square} \right) =$ $= \left[\frac{2}{7} - \left(\frac{\square}{\square} - \frac{\square}{\square} \right) : \left(\frac{\square}{\square} - \frac{\square}{\square} \right) \right] : \frac{\square}{\square} = \left[\frac{2}{7} - \frac{\square}{\square} \right] : \frac{\square}{\square} = \left[\frac{2}{7} - \frac{\square}{\square} \right] : \frac{\square}{\square} = \frac{\square}{\square} : \frac{\square}{\square} = \frac{\square}{\square}$