



Soluciones

1 Completa.

$$\begin{aligned} \text{a) } \frac{1}{2} - \frac{5}{7} \cdot \left[\frac{3}{5} - \left(\frac{1}{2} + \frac{1}{3} \right) \right] &= \frac{\boxed{1}}{\boxed{2}} - \frac{\boxed{5}}{\boxed{7}} \cdot \left[\frac{\boxed{3}}{\boxed{5}} - \frac{\boxed{5}}{\boxed{6}} \right] = \\ &= \frac{\boxed{1}}{\boxed{2}} - \frac{\boxed{5}}{\boxed{7}} \cdot \left[\frac{\boxed{-7}}{\boxed{30}} \right] = \frac{\boxed{1}}{\boxed{2}} - \frac{5 \cdot \boxed{(-7)}}{7 \cdot \boxed{30}} = \frac{1}{2} + \frac{1}{6} = \frac{\boxed{2}}{\boxed{3}} \end{aligned}$$

$$\text{b) } \frac{5}{8} \cdot \left[\left(\frac{3}{4} - \frac{2}{3} \right) \cdot 4 - \frac{1}{5} \right] = \frac{5}{8} \cdot \left[\frac{\boxed{1}}{\boxed{12}} \cdot 4 - \frac{1}{5} \right] = \frac{5}{8} \cdot \left[\frac{\boxed{1}}{\boxed{3}} - \frac{1}{5} \right] = \frac{5}{8} \cdot \frac{\boxed{2}}{\boxed{15}} = \frac{\boxed{1}}{\boxed{12}}$$

2 Opera.

$$\text{a) } \frac{5}{7} \cdot \left[\frac{3}{4} - \frac{2}{13} \cdot \left(\frac{5}{4} - \frac{1}{6} \right) \right] = \frac{\boxed{5}}{\boxed{12}}$$

$$\text{b) } \left[1 + \frac{3}{4} : \left(\frac{5}{4} - \frac{1}{8} \right) \right] \cdot \frac{6}{5} = \boxed{2}$$

$$\text{c) } \left[\left(1 - \frac{1}{3} \right) \cdot \frac{3}{5} - \left(2 - \frac{4}{3} \right) \cdot \frac{3}{7} \right] : \frac{2}{5} = \frac{\boxed{2}}{\boxed{7}}$$

$$\text{d) } \left[\frac{5}{3} : \left(\frac{1}{2} + \frac{1}{3} \right) + \left(\frac{1}{3} - \frac{1}{4} \right) : \frac{1}{6} \right] \cdot \frac{1}{10} = \frac{\boxed{1}}{\boxed{4}}$$

$$\text{e) } 4 \cdot \left[\frac{1}{2} - \frac{3}{4} \cdot \left(1 - \frac{2}{3} \right) \right] - 7 \cdot \left[\frac{3}{7} - \frac{1}{3} \left(1 + \frac{1}{5} \right) \right] = \frac{\boxed{4}}{\boxed{5}}$$