

# OPERACIONES COMBINADAS

## CON FRACCIONES II

Ya sabes cuál es el orden de las operaciones:

**1º** Se resuelven los paréntesis.

**2º** Continuamos con las multiplicaciones y divisiones.

**3º** Al final hacemos las sumas y las restas.

Recordad: el que una operación sea la 1<sup>a</sup> que hagáis no quiere decir que sea la 1<sup>º</sup> que tengáis que escribir.

Tenéis que respetar el lugar en el que estaba y copiar todo con lo que no trabajasteis.

$$\frac{5}{6} + \frac{1}{3} \cdot \frac{3}{2} = \frac{5}{6} + \frac{3}{6} = \frac{8}{6} = \frac{4}{3}$$
$$\frac{11}{3} - \left( \frac{8}{3} + \frac{2}{3} \right) = \frac{11}{3} - \frac{10}{3} = \frac{1}{3}$$

El resultado lo más simplificado posible, ¿eh?.

$$\left( \frac{12}{8} - \frac{10}{8} \right) \cdot \frac{4}{3} = \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}} \cdot \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}} = \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}} = \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}}$$

$$\frac{3}{4} \cdot \frac{7}{3} - \left( \frac{11}{12} + \frac{1}{6} \cdot \frac{4}{2} \right) = \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}} \cdot \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}} - \left( \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}} + \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}} \right) = \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}} \cdot \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}} - \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}} = \\ = \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}} - \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}} = \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}} = \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}}$$

$$\frac{4}{12} \cdot \frac{12}{4} - \left( \frac{2}{9} : \frac{1}{3} + \frac{3}{9} \right) = \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}} \cdot \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}} - \left( \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}} + \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}} \right) = \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}} \cdot \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}} - \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}} =$$

$$= \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}} - \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}} = \boxed{\phantom{00}} - \boxed{\phantom{00}} = \boxed{\phantom{00}}$$

$$\frac{12}{5} \cdot \frac{5}{4} - \frac{7}{5} \cdot \frac{1}{4} - \frac{6}{2} \cdot \frac{3}{10} = \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}} - \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}} - \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}} = \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}} = \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}}$$

$$\left( \frac{2}{5} + \frac{7}{5} - \frac{1}{5} \right) : \left( \frac{11}{10} - \frac{7}{10} \right) = \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}} : \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}} = \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}} = \boxed{\phantom{00}}$$

$$\frac{6}{7} + \frac{2}{7} \cdot \left( \frac{4}{5} + \frac{1}{5} \right) = \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}} + \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}} \cdot \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}} = \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}} + \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}} = \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}}$$

$$\frac{10}{15} + \frac{1}{3} \cdot \left( \frac{12}{5} - \frac{10}{5} \right) = \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}} + \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}} \cdot \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}} = \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}} + \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}} = \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}} = \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}}$$

$$\frac{18}{3} \cdot \frac{3}{2} - \left( \frac{3}{5} : \frac{3}{10} + \frac{25}{5} \right) = \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}} \cdot \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}} - \left( \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}} + \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}} \right) =$$

$$= \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}} \cdot \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}} - (\boxed{\phantom{00}} + \boxed{\phantom{00}}) = \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}} \cdot \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}} - \boxed{\phantom{00}} =$$

$$= \frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}} - \boxed{\phantom{00}} = \boxed{\phantom{00}} - \boxed{\phantom{00}} = \boxed{\phantom{00}}$$