

Resolver las siguientes operaciones con fracciones, **simplificando en todo momento** los pasos intermedios y el resultado:

1.  $\frac{5}{4} - \frac{2}{4} =$  (Soluc: 3/4)

2.  $\frac{5}{5} - \frac{4}{4} =$  (Soluc: 0)

3.  $\frac{5}{5} - \frac{16}{4} =$  (Soluc: -3)

4.  $-\frac{2}{3} - 4 =$  (Soluc: -14/3)

5.  $\left(32 + \frac{1}{2} - 4\right) - \left(16 - \frac{3}{2} - 2\right) =$  (Soluc: 16)

6.  $\frac{1}{4} + \frac{1}{3} \cdot \frac{6}{5} =$  (Soluc: 13/20)

7.  $\left(\frac{1}{4} + \frac{1}{3}\right) \cdot \frac{6}{5} =$  (Soluc: 7/10)

8.  $1 - \frac{2}{3} \cdot \frac{1}{5} =$  (Soluc: 13/15)

9.  $\left(1 - \frac{2}{3}\right) \cdot \frac{1}{5} =$  (Soluc: 1/15)

10.  $-\frac{2}{3} + \frac{4}{3} \cdot \frac{1}{2} =$  (Soluc: 0)

11.  $-2 - \frac{1}{3} =$  (Soluc: -7/3)

12.  $\left(-1 + \frac{1}{2} - \frac{1}{3}\right) \cdot \frac{6}{5} =$  (Soluc: -1)

13.  $-\frac{2}{5} + \frac{1}{3} \cdot \frac{4}{5} - \frac{1}{3} \cdot \frac{6}{5} =$  (Soluc: -8/15)

14.  $\left(1 - \frac{1}{2} + \frac{1}{3}\right) \cdot \frac{2}{5} =$  (Soluc: 1/3)

15.  $1 - \frac{1}{2} + \frac{1}{3} \cdot \frac{2}{5} =$  (Soluc: 19/30)

16.  $\left(-\frac{2}{5} + \frac{1}{3}\right) \cdot \frac{4}{5} - \frac{1}{3} \cdot \frac{6}{5} =$  (Soluc: -34/75)

$$17. \frac{1}{2} + \frac{1}{3} \cdot \frac{4}{3} - \frac{1}{12} + \frac{5}{4} \cdot \frac{8}{3} =$$

(Soluc: 151/36)

$$18. \left(\frac{1}{2} + \frac{1}{3}\right) \cdot \frac{4}{3} - \frac{1}{12} + \frac{5}{4} \cdot \frac{8}{3} =$$

(Soluc: 157/36)

$$19. -\frac{1}{2} \cdot \frac{4}{7} - \frac{2}{14} + \frac{1}{2} \cdot \frac{5}{7} =$$

(Soluc: -1/14)

$$20. -\frac{1}{2} \cdot \left(\frac{4}{7} - \frac{2}{14}\right) + \frac{1}{2} \cdot \frac{5}{7} =$$

(Soluc: 1/7)

$$21. \frac{21}{2} - \frac{19}{2} : \left(\frac{1}{5} + \frac{2}{5} \cdot \frac{15}{8}\right) - \frac{9}{2} : \frac{3}{4} =$$

(Soluc: -11/2)

$$22. \frac{17}{9} - \frac{15}{5} + \frac{4}{3} : \left(\frac{1}{5} + \frac{2}{3} - \frac{1}{15}\right) + \frac{14}{3} : \frac{16}{8} =$$

(Soluc: 26/9)

$$23. \frac{1}{3} + \frac{4}{3} : \frac{5}{6} \cdot \left(\frac{1}{2} - \frac{3}{2} \cdot \frac{10}{9} + 4\right) =$$

(Soluc: 73/15)

$$24. \frac{21}{2} - \frac{19}{2} : \left(\frac{1}{5} + \frac{2}{5} \cdot \frac{15}{8}\right) =$$

(Soluc: 1/2)

$$25. \frac{\left(\frac{3}{4} + 2\right)\left(\frac{3}{4} - 2\right)}{5} - \frac{\left(\frac{3}{2} - 1\right)^2}{4} =$$

(Soluc: -3/4)