

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

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

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

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

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

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: $\frac{13}{20}$)

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

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

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

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

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

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: $-\frac{8}{15}$)

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

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

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

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

(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)