

## Fracciones. Operaciones combinadas

Nombre: \_\_\_\_\_

Calcula y simplifica:

1.  $-\frac{2}{35} + \frac{2}{21} - \frac{7}{5} = \frac{-6 + 14}{105} = \frac{8}{105}$   
Sol.  $8/105$   
*mcm = 105*

3.  $\frac{3}{2} - \frac{1}{2} \cdot \frac{2}{9} =$   
Sol.  $25/18$

5.  $-\frac{3}{25} \cdot \frac{5}{4} + \frac{7}{5} =$   
Sol.  $5/4$

7.  $\frac{2}{3} \cdot \frac{3}{5} - \frac{7}{3} =$   
Sol.  $-29/15$

9.  $-\frac{1}{6} : \frac{1}{3} - 3 =$   
Sol.  $-7/2$

11.  $\left(\frac{2}{9} \cdot \frac{3}{5} + \frac{1}{9} \cdot 3 - \frac{2}{3}\right) =$   
Sol.  $1/5$

13.  $\left(\frac{1}{3} \cdot \frac{3}{2} + 2\right) \cdot \frac{3}{2} + \frac{1}{9} =$   
Sol.  $-131/36$

15.  $5 \cdot \frac{2}{5} - \left(\frac{3}{8} \cdot \frac{2}{25} - 5\right) =$   
Sol.  $297/100$

17.  $\left(\frac{1}{35} : \frac{2}{7} - \frac{2}{35} \cdot \frac{7}{4} - \frac{2}{7}\right) =$   
Sol.  $2/7$

19.  $7 : \frac{5}{2} + \frac{3}{16} - \left(\frac{5}{2} : \frac{5}{6}\right) =$   
Sol.  $-1/80$

2.  $\frac{7}{2} \cdot \frac{2}{9} + \frac{5}{4} =$   
Sol.  $73/36$

4.  $\frac{3}{4} - \frac{3}{10} \cdot \frac{2}{9} =$   
Sol.  $41/60$

6.  $\frac{1}{15} + \frac{1}{3} : 5 =$   
Sol.  $2/15$

8.  $7 + \frac{2}{15} : 5 =$   
Sol.  $527/75$

10.  $\frac{2}{21} - \frac{5}{21} \cdot \frac{7}{15} =$   
Sol.  $-1/63$

12.  $\left(2 : \frac{2}{25} + \frac{2}{25} \cdot \frac{5}{12} + \frac{2}{25}\right) =$   
Sol.  $-3767/150$

14.  $\frac{2}{7} - \left(\frac{5}{21} + \frac{1}{21} : \frac{1}{7}\right) - \frac{2}{7} =$   
Sol.  $-4/7$

16.  $7 - \left(\frac{1}{2} \cdot \frac{2}{5} + \frac{7}{6}\right) : \frac{7}{10} =$   
Sol.  $106/21$

18.  $\frac{5}{16} \cdot \left(\frac{2}{3} + 5 \cdot \frac{2}{5}\right) + 5 =$   
Sol.  $35/6$

20.  $\frac{3}{5} - \left(\frac{2}{25} \cdot \frac{5}{2} - \frac{3}{25} \cdot \frac{5}{21}\right) =$   
Sol.  $3/7$