



Suma y resta de fracciones

Método m.c.m.

$$\frac{19}{24} - \frac{7}{9}$$

El primer paso es hallar el m.c.m. de los denominadores

$$24 = \{0, 24, 48, \textcolor{red}{72}, 96, 120, 144, \dots\}$$

$$9 = \{0, 9, 18, 27, 36, 45, 54, 63, \textcolor{red}{72}, 81, \dots\}$$

$$\text{m.c.m.}(9, 24) = 72$$

$$24 = 2^3 \cdot 3$$

$$9 = 3^2$$

$$\text{m.c.m.}(9, 24) = 2^3 \cdot 3^2 = 72$$

Por lo que la fracción equivalente tendrán como denominador sea 72 y para hallar el numerador tendrás que multiplicarlo por el cociente de dividir el mcm entre el denominador

$$\frac{19}{24} = \frac{19 \times 3}{72} = \frac{57}{72}$$

72: 24=3

$$\frac{7}{9} = \frac{7 \times 8}{72} = \frac{56}{72}$$

72: 9=8

$$\frac{19}{24} - \frac{7}{9} = \frac{57}{72} - \frac{56}{72} = \frac{1}{72}$$

$$\frac{7}{4} - \frac{5}{6} \quad \text{m.c.m.}(4, 6) =$$

$$\frac{7}{4} - \frac{5}{6} = \frac{7 \times \quad}{\quad} - \frac{5 \times \quad}{\quad} = \quad - \quad = \quad$$

$$\frac{5}{12} + \frac{3}{10} + \frac{4}{15} \quad \text{m.c.m.}(12, 10, 15) =$$

$$\frac{5}{12} + \frac{3}{10} + \frac{4}{15} = \frac{5 \times \quad}{\quad} + \frac{3 \times \quad}{\quad} + \frac{4 \times \quad}{\quad} = \quad + \quad + \quad = \quad$$

$$\frac{9}{14} - \frac{10}{21} \quad \text{m.c.m.}(14, 21) =$$

$$\frac{9}{14} - \frac{10}{21} = \frac{\quad \times \quad}{\quad} - \frac{\quad \times \quad}{\quad} = \quad - \quad = \quad$$

$$\frac{5}{7} + \frac{7}{12} + \frac{11}{18} \quad \text{m.c.m.}(7, 12, 18) =$$

$$\frac{5}{7} + \frac{7}{12} + \frac{11}{18} = \frac{\quad \times \quad}{\quad} + \frac{\quad \times \quad}{\quad} + \frac{\quad \times \quad}{\quad} = \quad + \quad + \quad = \quad$$