

FRACCIONES

Problema 23:

Resolver

$$\frac{\frac{3}{8} + \frac{5}{6} - \frac{1}{18}}{\frac{2}{3} + \frac{5}{12} - \frac{1}{4} - \frac{3}{24} + \frac{1}{9}} \times \left(\frac{7}{5} + \frac{2}{7} \right) : \frac{0,2}{7}$$

Solución Problema 23:

Convertimos la fracción decimal en fracción ordinaria

$$0,2 = \frac{2}{10} = \frac{2}{2 \times 5} = \frac{1}{5}$$

Sustituimos su valor en la fracción original y operamos

$$\frac{\frac{3}{8} + \frac{5}{6} - \frac{1}{18}}{\frac{2}{3} + \frac{5}{12} - \frac{1}{4} - \frac{3}{2 \times 8} + \frac{1}{9}} \times \left(\frac{7}{5} + \frac{2}{7} \right) : \frac{1}{5}$$

$$\frac{\frac{3}{8} + \frac{5}{6} - \frac{1}{18}}{\frac{2}{3} + \frac{5}{12} - \frac{1}{4} - \frac{1}{1 \times 8} + \frac{1}{9}} \times \left(\frac{7}{5} + \frac{2}{7} \right) : \frac{1}{7 \times 5}$$

$$\frac{\frac{3 \times 9 + 5 \times 12 - 1 \times 4}{\cancel{72}}}{\frac{2 \times 24 + 5 \times 6 - 1 \times 18 - 1 \times 9 + 1 \times 8}{\cancel{72}}} \times \left(\frac{7}{5} + \frac{2}{7} \right) : \frac{1}{7 \times 5}$$

FRACCIONES: Problema 23

$$\frac{27 + 60 - 4}{48 + 30 - 18 - 9 + 8} \times \left(\frac{7}{5} + \frac{2}{7} \right) : \frac{1}{7 \times 5}$$

$$\frac{83}{59} \times \left(\frac{7}{5} + \frac{2}{7} \right) : \frac{1}{7 \times 5} = \frac{83}{59} \times \left(\frac{7 \times 7 + 2 \times 5}{5 \times 7} \right) : \frac{1}{7 \times 5}$$

$$\frac{83}{59} \times \frac{59}{5 \times 7} : \frac{1}{7 \times 5} = \frac{83 \times \cancel{59} \times 7 \times 5}{\cancel{59} \times 5 \times \cancel{1} \times 7} = \mathbf{83}$$