

## FRACCIONES

Problema 10:

Resolver

$$\frac{\frac{1}{2\frac{1}{8} - \left(\frac{7}{8} + \frac{5}{12}\right)}}{\left(1 + \frac{1 + \frac{1}{5}}{5}\right) : \left(1 + \frac{5}{1 + \frac{1}{5}}\right)} =$$

Solución Problema 10:

Convertimos el número mixto  $2\frac{1}{8}$  en fracción ordinaria:

$$2\frac{1}{8} = \frac{16 + 1}{8} = \frac{17}{8}$$

Sustituimos su valor en la fracción original y operamos en ella:

$$\frac{\frac{1}{\frac{17}{8} - \frac{7}{8} - \frac{5}{12}}}{\left(1 + \frac{\frac{6}{5}}{5}\right) : \left(1 + \frac{\frac{5}{6}}{\frac{5}{5}}\right)} = \frac{\frac{1}{\frac{51 - 21 - 10}{24}}}{\left(1 + \frac{6}{25}\right) : \left(1 + \frac{25}{6}\right)} =$$

$$\frac{\frac{24}{20}}{\frac{31}{25} : \frac{31}{6}} = \frac{\frac{24}{20}}{\frac{31 \times 6}{25 \times 31}} = \frac{24}{20} = \frac{24 \times 25}{6 \times 20} = \frac{4 \times 25}{20} = \frac{100}{20} = 5$$