

## FRACCIONES

Problema 19:

Resolver

$$\frac{1}{0,01} - \frac{0,00328}{0,4 \times 0,00004 + 0,002 \times 0,0125}$$

Solución Problema 19:

Convertimos las fracciones decimales en fracciones ordinarias:

$$0,01 = \frac{1}{100}$$

$$0,00328 = \frac{328}{100000}$$

$$0,4 = \frac{4}{10}$$

$$0,00004 = \frac{4}{100000}$$

$$0,002 = \frac{2}{1000}$$

$$0,0125 = \frac{125}{10000}$$

Sustituimos su valor en la fracción original:

$$\frac{1}{100} - \frac{\frac{328}{100000}}{\frac{4}{10} \times \frac{4}{100000} + \frac{2}{1000} \times \frac{125}{10000}}$$

$$100 - \frac{\frac{328}{100000}}{\frac{16}{1000000} + \frac{250}{10000000}}$$

Operamos en la fracción

$$100 - \frac{\frac{328}{100000}}{\frac{16}{1000000} + \frac{250}{10000000}}$$

$$100 - \frac{\frac{328}{100000}}{\frac{16 + 25}{1000000}}$$

$$100 - \frac{\frac{328}{\cancel{100000}}}{\frac{41}{\cancel{1000000}}}$$

$$100 - \frac{328 \times 10}{41}$$
$$\frac{4100 - 3280}{41}$$

$$\frac{4100 - 3280}{41} = \frac{820}{41} = \frac{\cancel{41} \times 20}{41} = 20$$