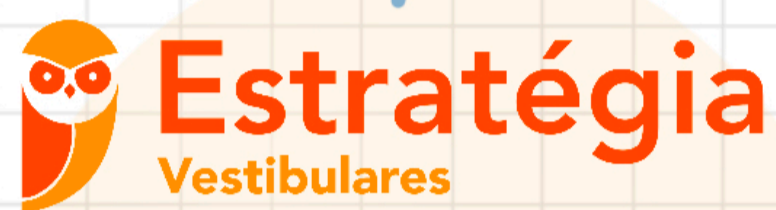
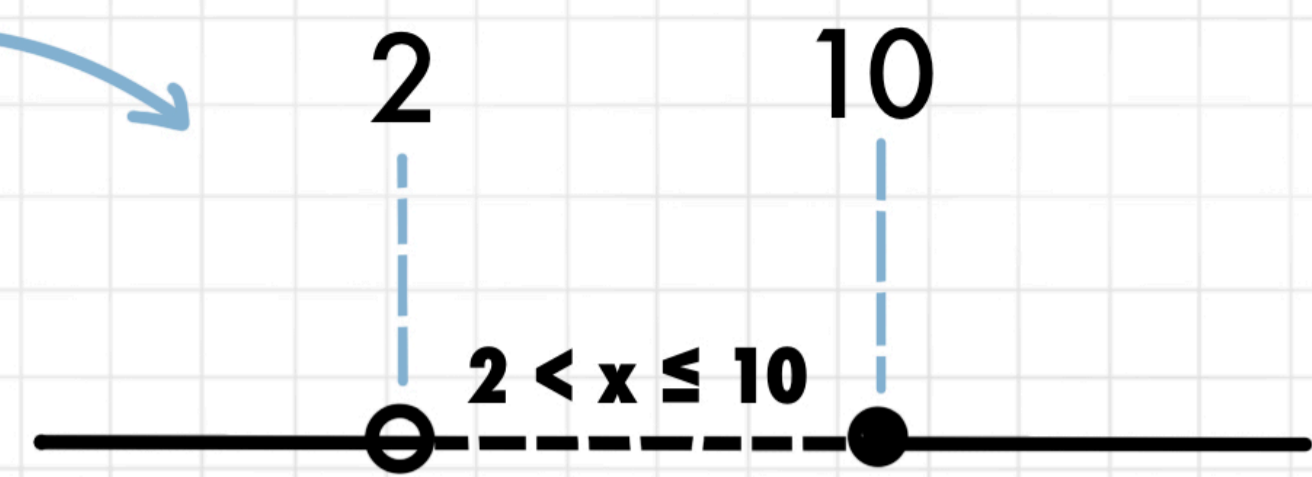


todos os números reais entre 2 e 10, excluindo-se o 2 e incluindo-se o 10

$$\begin{cases} x > 2 \\ x \leq 10 \end{cases}$$



inequação Simultânea

representação gráfica

$$2 < x \leq 10$$

exemplo

$$\underbrace{-5 < x + 4}_{\text{II}} \leq 8 \quad \text{I}$$

$$\text{II} \begin{cases} x + 4 > -5 \\ x + 4 \leq 8 \end{cases} \quad \text{I}$$

$$\begin{aligned} x + 4 &> -5 \\ x &> -5 - 4 \\ x &> -9 \end{aligned}$$

$$\begin{aligned} x + 4 &\leq 8 \\ x &\leq 8 - 4 \\ x &\leq 4 \end{aligned}$$



$$-9 < x \leq 4$$