

## 1.3 Inequalities - Day 3

Bernadette plans to buy a new pair of jeans. The sales tax is 8%. She has \$25 to spend. Write an inequality for the situation. (Hint: Use C as the cost of jeans before tax.)

$$\begin{array}{l} \text{let } C = \text{COST of Jeans} \\ \text{Cost} + \text{tax} \leq 25 \\ C + 0.08C \leq 25 \end{array} \quad \begin{array}{l} \text{Tax} = 8\% \text{ of the cost} \\ = 0.08C \end{array}$$

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the sum of  $\left[ \begin{array}{l} \text{the difference of} \\ \text{less than} \rightarrow \text{subtraction} \\ \text{is less than} \rightarrow < \end{array} \right] ( )$

# HOMework

Worksheet HW 1.3  
Inequalities - Day 3