Calculate the Slope of a Horizontal Line, $m = 0$

Choose 2 points on the line: (-1,1) and (2,1)

Find the slope graphically:
1. Rise is 0, Run is 3.
2. \[
\frac{\text{rise}}{\text{run}} = \frac{0}{3}
\]
3. Simplify. Slope = 0

Find the slope formulaically:
Remember, the slope formula is:
\[
m = \frac{y_2 - y_1}{x_2 - x_1}
\]

1. Label $x_1, y_1, x_2, y_2$: $x_1, y_1 = (-1,1)$ and $x_2, y_2 = (2,1)$
2. Plug the numbers into the formula: $m = \frac{(1) - (1)}{(2) - (-1)}$
3. Simplify: $m = \frac{0}{3} = 0$. Slope = 0