

- The change in the dependent variable over the change in the independent variable.


## Slope-Intercept Form

- $y=m x+b$ where $m$ is slope and $b$ is the y -intercept

Table

| $\mathbf{X}$ | $\mathbf{Y}$ |
| :---: | :---: |
| -3 | 1 |
| 0 | 3 |
| 3 | 5 |
| 6 | 7 |

Graph


Ordered Pairs
$(-3,7)$ and $(0,-2)$

## Real-Life Scenario

Daniel has $\$ 15$. He spends $\$ 2$ on every candy bar he buys. Model the scenario with a slope-intercept form equation and a graph.
a. How many candy bars can he buy if he wants to have $\$ 5$ left?
b. How much money does he have left after buying 7 candy bars?

|  |  |  |  |  |  |  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
|  |  |  |  |  |  |  |  |  |  |  |

