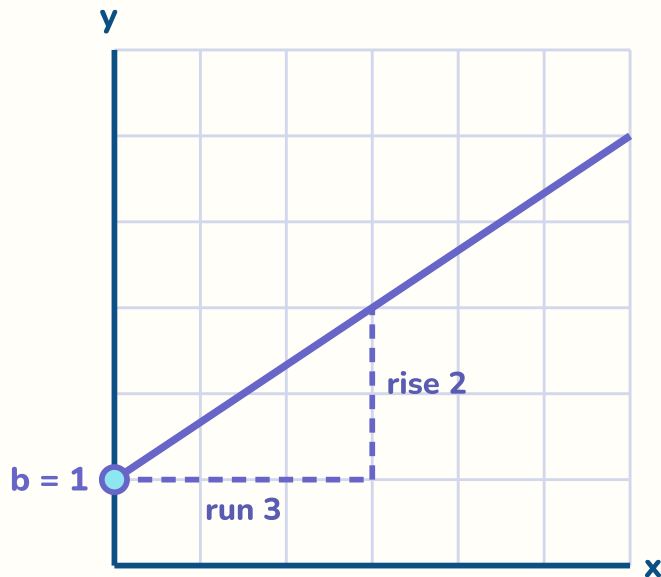
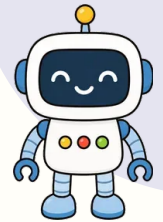


Slope and y-intercept



$$y = mx + b$$

m is the slope: rise $\div$ run. Here 2 up for every 3 across, so $m = \frac{2}{3}$.

b is the y-intercept: where the line crosses the y-axis. Here $b = 1$.

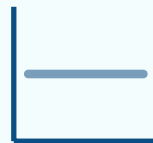
Kinds of slope



Positive
 $m > 0$



Negative
 $m < 0$



Zero
 $m = 0$



Undefined
run = 0

Slope is rise over run — how far up for each step across. Find b where the line meets the y-axis, then count the slope from there.