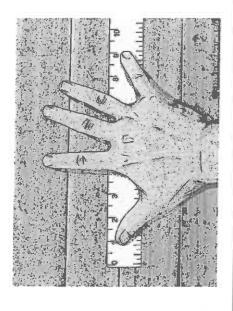
Is there a relationship between a person's hand span and the amount of candy he/she can pick up at one time with one hand?



## MY HYPOTHESIS

What will be the independent variable?

What will be the dependent variable?

Rearrange the equation into slope-interceptorm $y = mx + b$ .	ge the equatic form (y =	Rearran		
=(x ·)	Y-			
using point-slope form.	using point			
Write the equation of the line of best fit	the equation	Write		
	) = Δ <del>y</del> Δx =	Slope (m) =		
	<b>*</b>			
У	×			
Data Points on Line of Best Fit	Data Points on			
Calculate the slope of the line of best fit.	ate the slope	Calcul		
Line should be as close to the data point as possible.	Line should be as on as possible.	• Line		
Line should have about the same numbe of points above and below it.	should have a oints above an	• Line of p		
data.	t.	data.		
already graphed on the grid.	ady graphed o			
Draw a line of best fit on the graph.	w a line of be	_		
e No Correlation	Positive Negative	Pos		
What type of correlation is shown by the graph?	type of correls	What	(Dep. Variable)	(Indep. Variable)
		_		

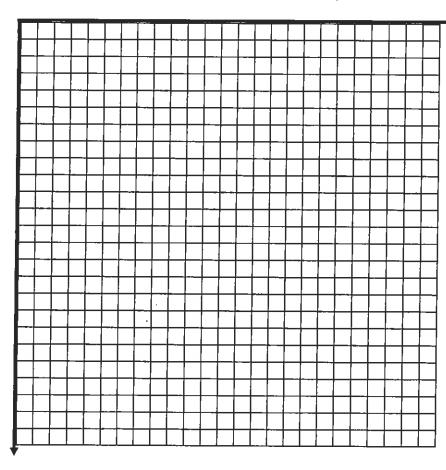
## hat type of correlation is shown by the

- line should go through two points already graphed on the grid.
- Line should follow general trend of the data.
- Line should have about the same number of points above and below it.
- Line should be as close to the data points as possible.

>		×	Data Points on
		У	Data Points on Line of Best Fit

$$y - y_1 = m(x - x_1)$$

## Scatter Plot



Use this equation to determine how many pieces of candy Mrs.  $G_{7}^{\infty}$  should be able to pick up at one time with one hand.

How many pieces of candy was Mrs. (3700) able to pick up?

How trustworthy do you believe this model to be?