How long would it take to do a hula hoop relay with the entire town of Drumright?

MY HYPOTHESIS

What will be the independent variable?

What will be the dependent variable?

(Indep. Var.)	(Dep. Var.)

What type of correlation is shown by the graph?

Positive Negative No Correlation

Draw a line of best fit on the graph.

- 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.

Calculate the slope of the line of best fit.

Data Points on Line of Best Fit	
x	y

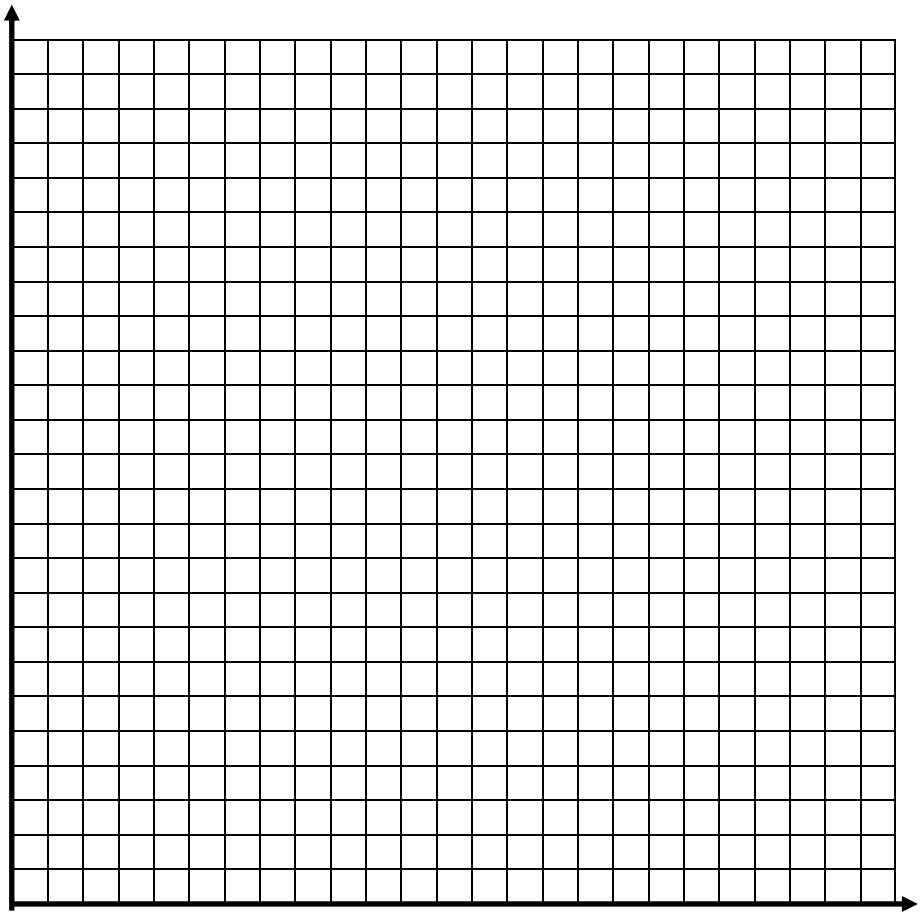
Slope (m) = $\frac{\Delta y}{\Delta x}$ =

Write the equation of the line of best fit using point-slope form.

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

y - ____ = ____(x - ____)

Rearrange the equation into slope-intercept form (y = mx + b).



Use this equation to determine how long it would take to do a hula hoop relay involving the entire population of Drumright.

How trustworthy do you believe this model to be? Explain.