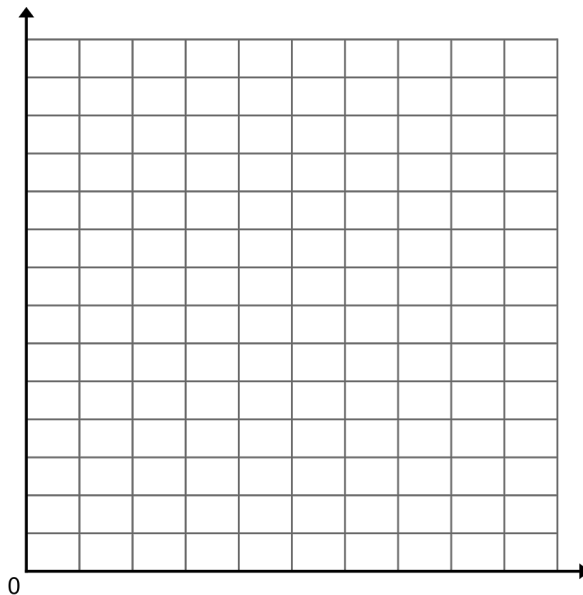


1. This table compares the parking facilities of several large companies.

Acres of Land	Number of Parking Spaces
2.0	145
1.5	160
4.0	500
1.0	95
5.0	600
4.0	425
2.0	550
3.0	280



- Which variable is the independent variable?
- Which variable is the dependent variable?
- Create a scatter plot. Choose the appropriate axis for each variable. (i.e. remember which axis is used for the independent variable and which is used for the dependent variable). Label each axis, choose an appropriate scale for each axis and give your graph a title.
- Circle any outliers or influential points.
- Describe the trend you see. (What is the correlation?)
- Describe the relationship between the variables.
- Draw the line of best fit.
- Determine the equation of the line of best fit.
- How many parking spaces would you expect on 10 acres of land? Use your equation to solve. Is this interpolation or extrapolation?
- How many parking spaces would you expect to fit on 3.5 acres of land? Use your graph to solve. Is this interpolation or extrapolation?