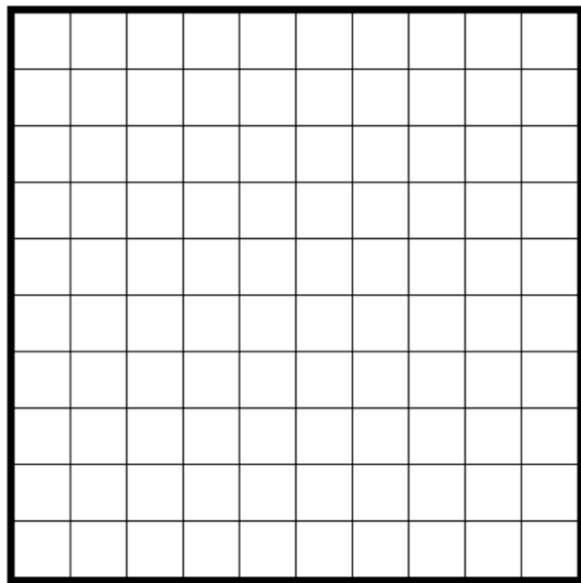


- a. Identify the independent variable and dependent variable. Explain your reasoning.
- b. Make a scatter plot of the data.
- c. Describe the relationship between the student's marks and attendance.
- d. Are there any outliers? If there are, explain how they differ from the rest of the data.

4. The table below lists the data from an experiment to measure how high a ball bounces after being dropped from six different heights.

Initial Height (cm)	Bounce Height (cm)
1.00	0.62
1.50	0.91
2.00	1.18
2.50	1.51
3.00	1.80
3.50	2.08



- a. Identify the independent variable and the dependent variable. Explain your reasoning.
- b. Make a scatter plot of the data.
- c. Describe the relationship between the initial height of the ball and the bounce height.
- d. If the data included the ordered pair (4.00, 1.62), would you consider it to be an outlier? Would you discard it from the data set? Explain your reasoning.