

NAME: _____

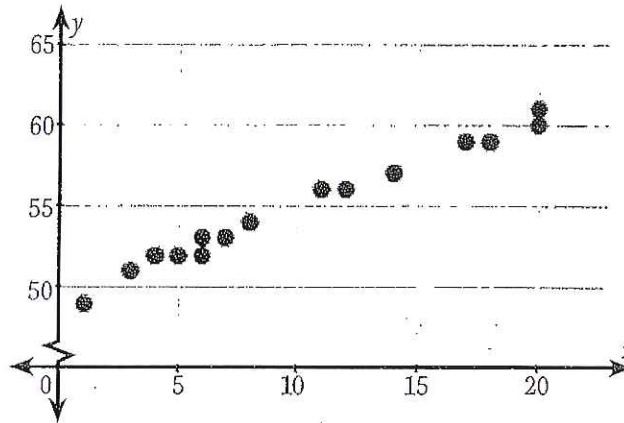
Key

Statistics and Probability

Set 2: Scatter Plots

Station 2

Work with your group to examine the scatter plot below and answer questions 1–3.



1. Describe the relationship you see between the two sets of data.

As the x-value increases, the y-value increases.
vice versa
As the x-value decreases, the y-value decreases.

2. If you were to guess at the y-value that might correspond to an x-value of 25, what would you say?

About 62 or 63 for the y-value.

3. If you were to guess at the x-value that might correspond to a y-value of 63, what would you say?

About 25 for the x-value.

continued

NAME: _____

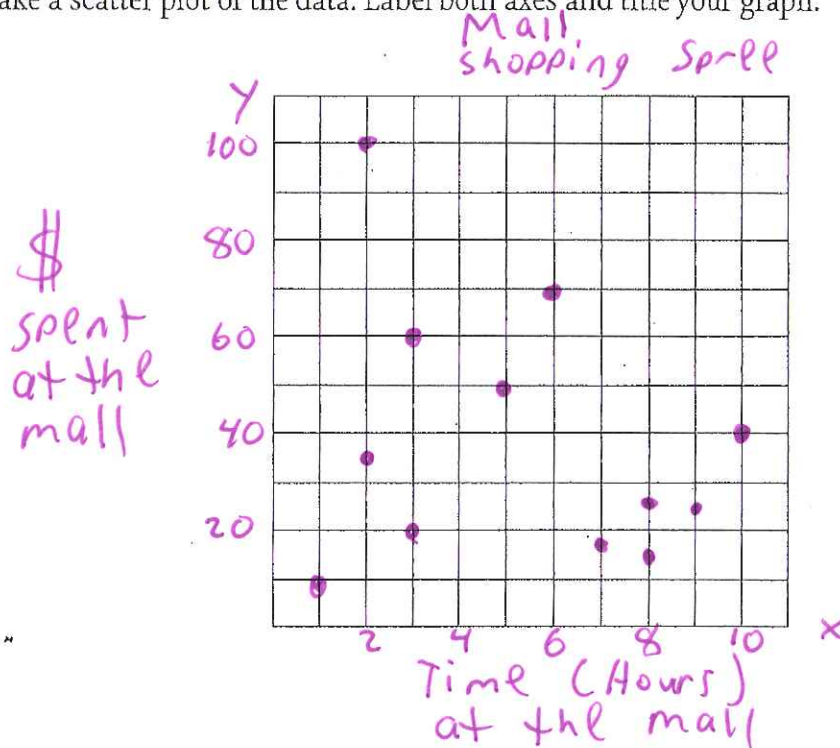
Statistics and Probability

Set 2: Scatter Plots

The table below shows the number of hours a person spent in the mall and the number of dollars that person spent. Use the table to answer questions 4 and 5.

Hours in mall (x)	Dollars spent (y)
10	40
8	15
9	24
3	20
1	10
2	35
5	50
6	70
7	18
8	25
2	100
3	60

4. Make a scatter plot of the data. Label both axes and title your graph.



continued

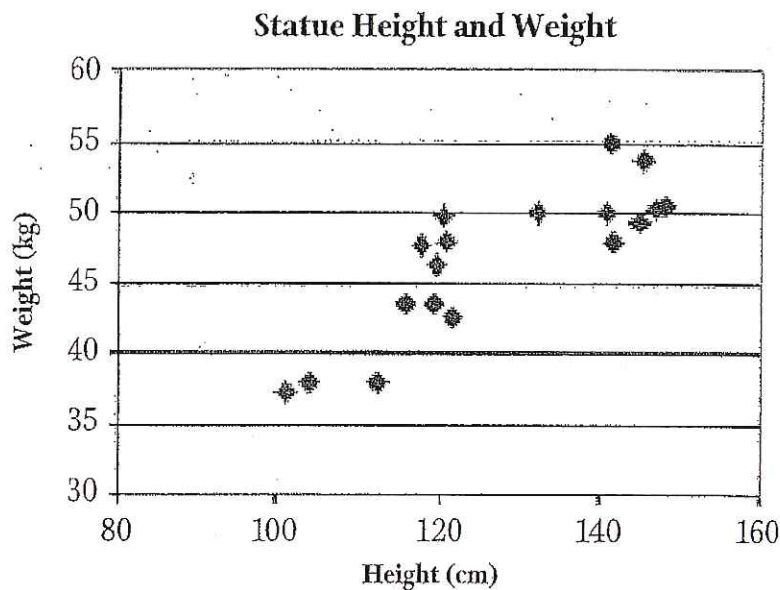
Statistics and Probability

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5. Describe the relationship you see in the scatter plot you made on the previous page.

There is no relationship. The scatter plot does not show a trend.

Examine the scatter plot below. Use it to answer question 6.



6. What relationship, if any, do you see between the height and the weight of these 18 statues?

There is a positive correlation.

As the Height of statue increases, the weight of the statue increases. (Vice versa)

As the Height of statue decreases, the weight of the statue decreases.

