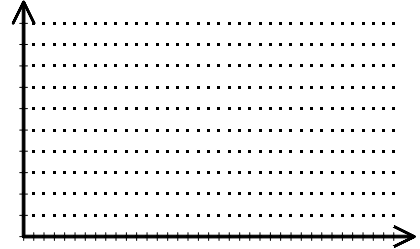


*P.I. A.S.7: Create a scatter plot of bivariate data*

1. The table gives the times spent watching TV and the grades of several students.

Weekly TV (h)	6	12	18	24	30	36
Grade (%)	62.5	77.5	57.5	67.5	42.5	52.5

Display the data on a scatter plot of grade versus time. Describe any relationship you see.

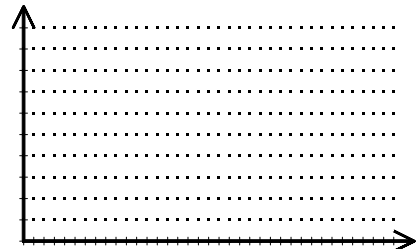


[1] \_\_\_\_\_

2. The table gives the times spent watching TV and the grades of several students.

Weekly TV (h)	6	12	18	24	30	36
Grade (%)	57.5	72.5	52.5	62.5	37.5	47.5

Display the data on a scatter plot of grade versus time. Describe any relationship you see.



[2] \_\_\_\_\_

3. Construct a scatter plot to display the data in the table below. Be sure to label both axes. Describe any correlation.

Week #	1	2	3	4	5	6	7	8
Number of Complaints	25	27	19	15	17	14	16	13

[3] \_\_\_\_\_

4. Use a graphing calculator to draw a scatter plot for this data. Describe the correlation.

Month	1	2	3	4	5	6
Sales (millions)	4.1	4.27	4.45	5.16	4.92	5.38

[4] \_\_\_\_\_

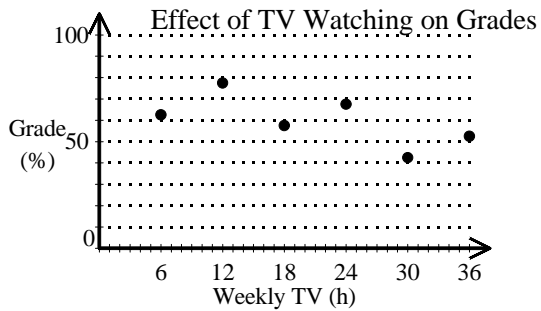
5. 

Temperature	Number of Cones Sold
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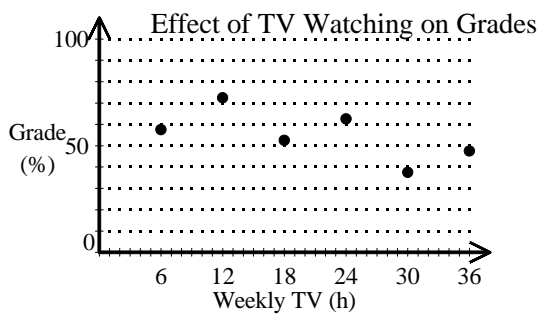
76	42
80	66
84	72
88	87
92	90
96	92
100	94

The table above shows the relationship between temperature and the number of ice cream cones sold at a school cafeteria. Identify any type of correlation shown in the scatter plot. What does it indicate?

[5] \_\_\_\_\_



[1] More hours spent watching TV may reduce grades.



[2] More hours spent watching TV may reduce grades.

[3] Check students' graphs; there is a weak, negative correlation.

[4] Check students' graphs; strong, positive correlation

The scatter plot shows a positive correlation. This means that as temperature increases so does the

[5] number of ice cream cones sold.