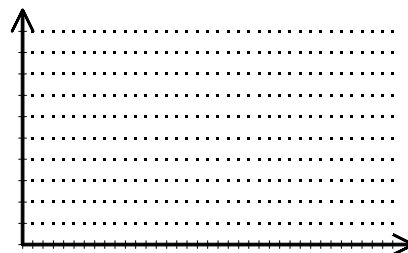


P.I. A.S.7: Create a scatter plot of bivariate data

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.

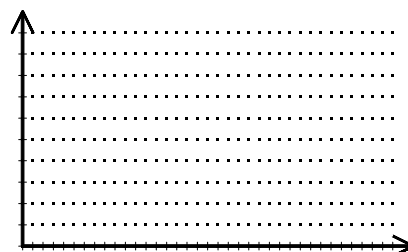


[1] _____

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
76	42
80	66
84	72
88	87
92	90
96	92
100	94

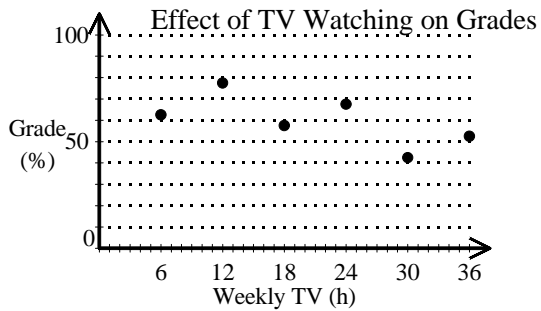
76	42
80	66
84	72
88	87
92	90
96	92
100	94

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?

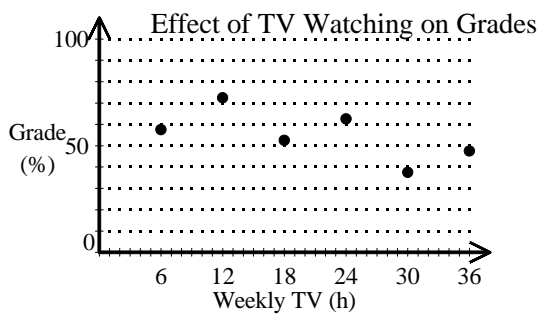
[5] _____

Integrated Algebra Practice: Scatter Plots #4

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- [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.