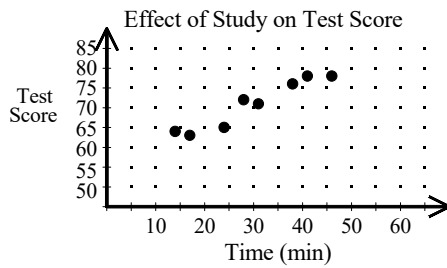


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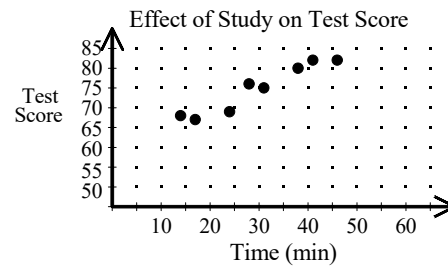
1. The table shows the study times and test scores for a number of students. Identify the scatter plot that corresponds to the given data.

Study Time (min)	14	17	24	28	31	38	41	46
Test Score	64	63	65	72	71	76	78	78

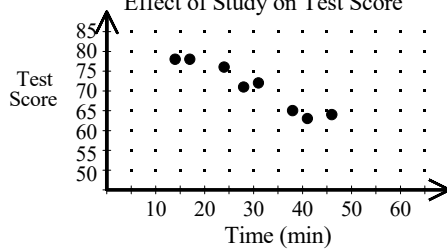
[A]



[B]



[C]



[D] none of these

2. Construct a scatter plot to show the relationship between minutes spent studying and test scores.

Study Time (min.)	19	24	26	32	34	39	44	46
Test Score	66	65	70	73	71	74	75	80

3. 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.

NAME: \_\_\_\_\_

4. Use the data in the table to draw a scatter plot. Draw a line of best fit on the scatter plot. Describe the correlation, if any, between hours spent studying and average score on the test.

Hours Spent Studying	0.5	1	1.5	2	2.5
Average Score on Test	58	78	80	85	92

5. 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

6. 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

7. 

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

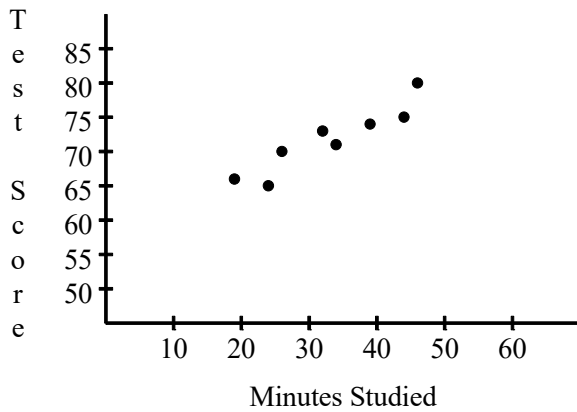
The table above shows the relationship between temperature and the number of ice cream cones sold at a school cafeteria. Identify any type of correlation shown in the scatter plot. What does it indicate?

8. The table shows Christine's best javelin throws in meters each year.

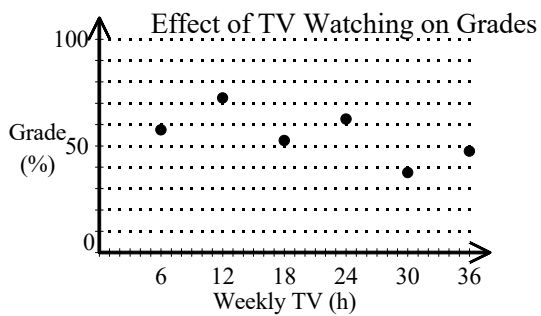
Year	1989	1990	1991	1992	1993	1994	1995	1996
Distance	46.95	47.15	48.85	47.55	50	49.7	47.9	49.6

Display the data on a scatter plot of distance versus year. Draw a line of best fit.

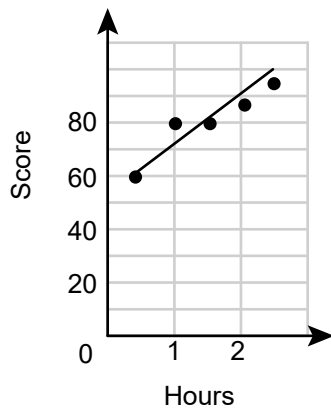
[1] A



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



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

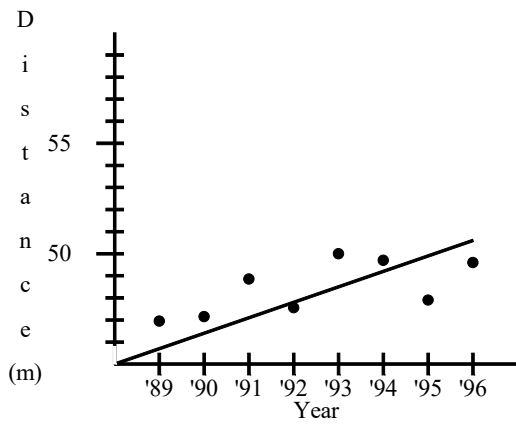


[4] The more hours spent studying, the higher the test score.

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

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

[7] The scatter plot shows a positive correlation. This means that as temperature increases so does the number of ice cream cones sold.



[8]