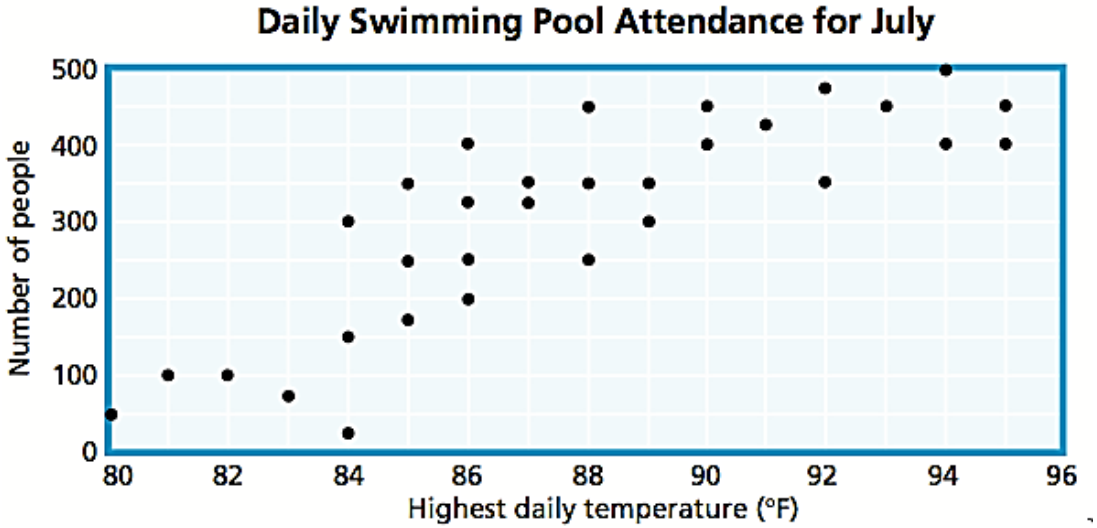
Do Now

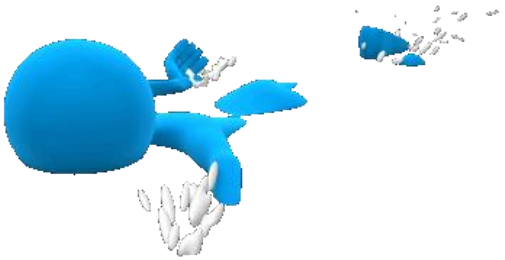
Please place your homework in front of you and work silently on this Do Now. Thank you!



1) How many people were at the pool on the day the high temperature was 91 °F?

1) Find the mode of the high temperatures.

2) Find the range of daily attendance.



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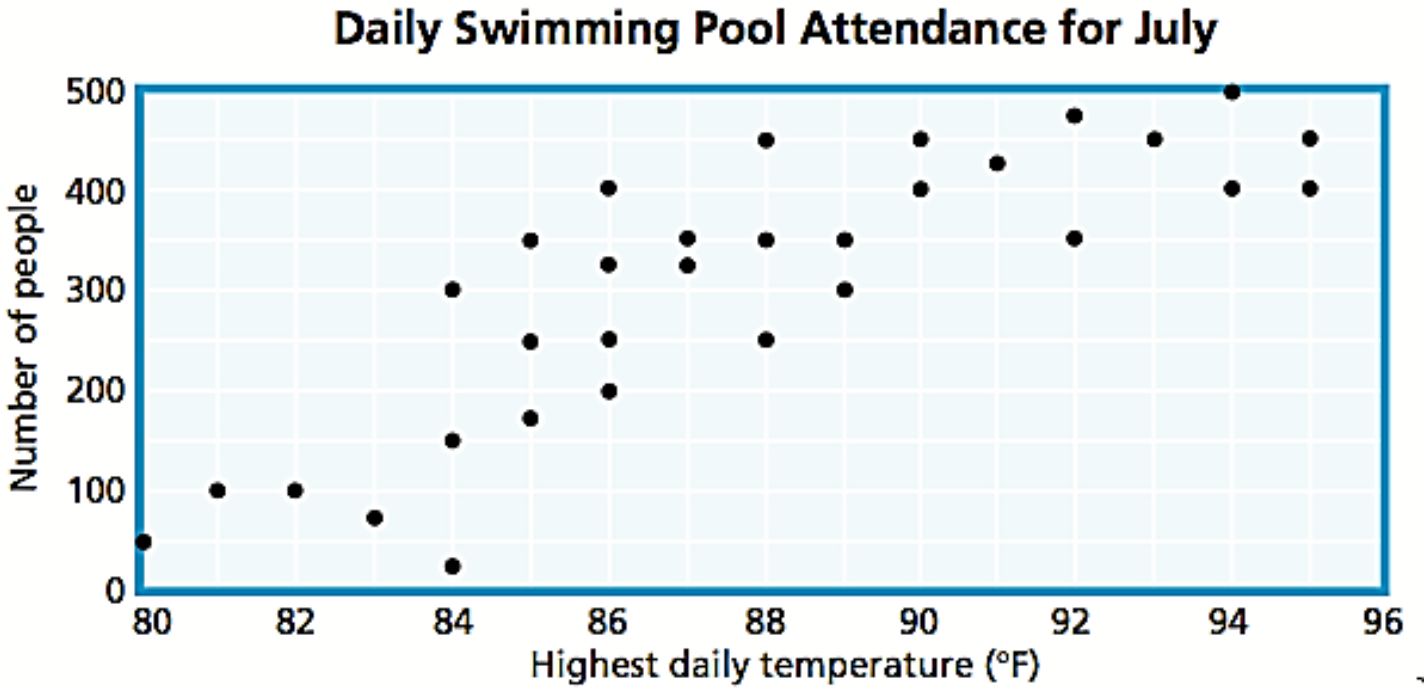
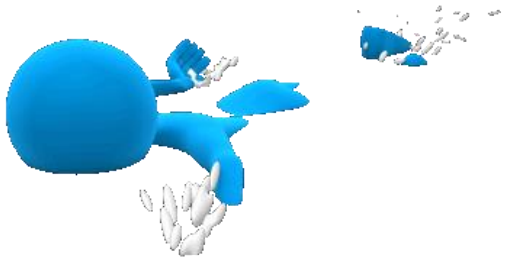
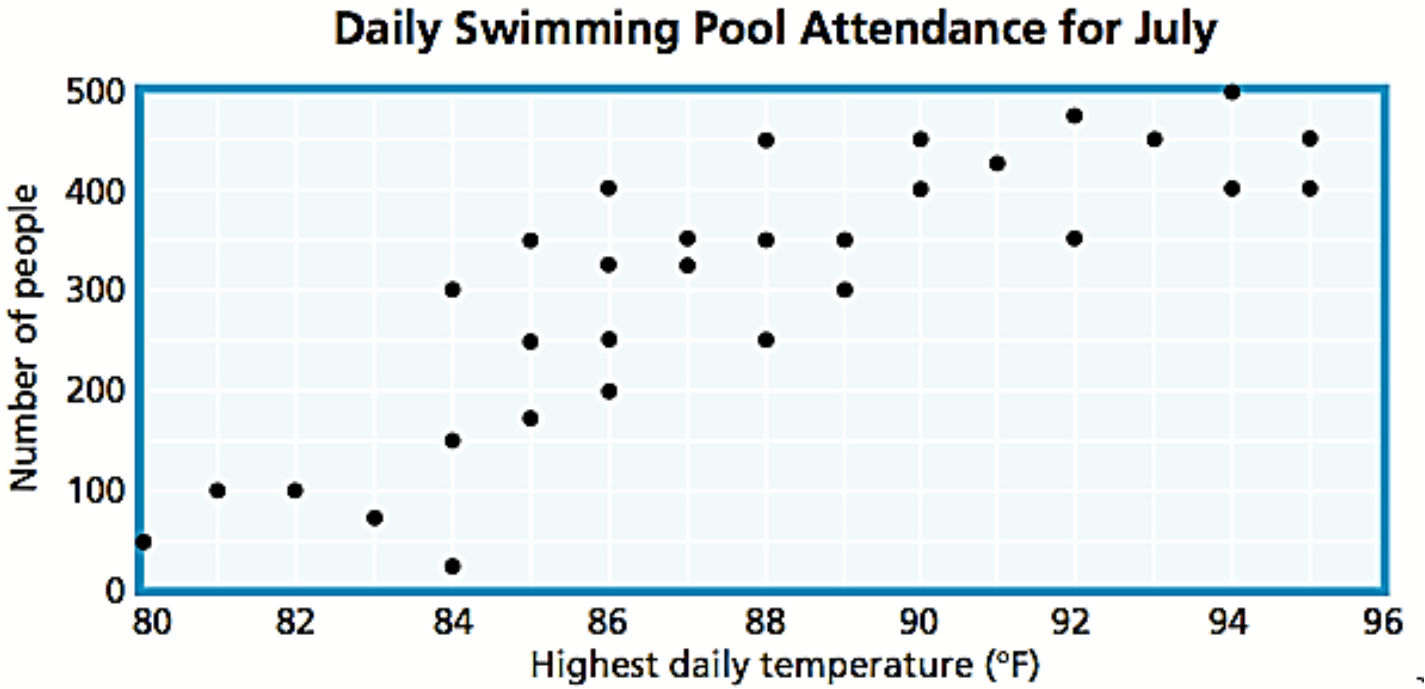


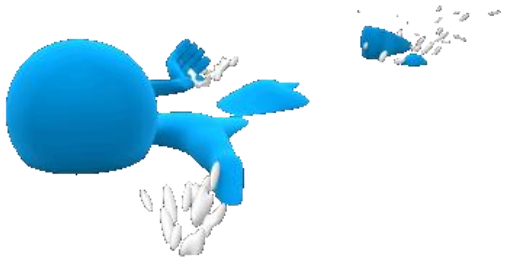
1) How many people were at the pool on the day the high temperature was 91 °F?



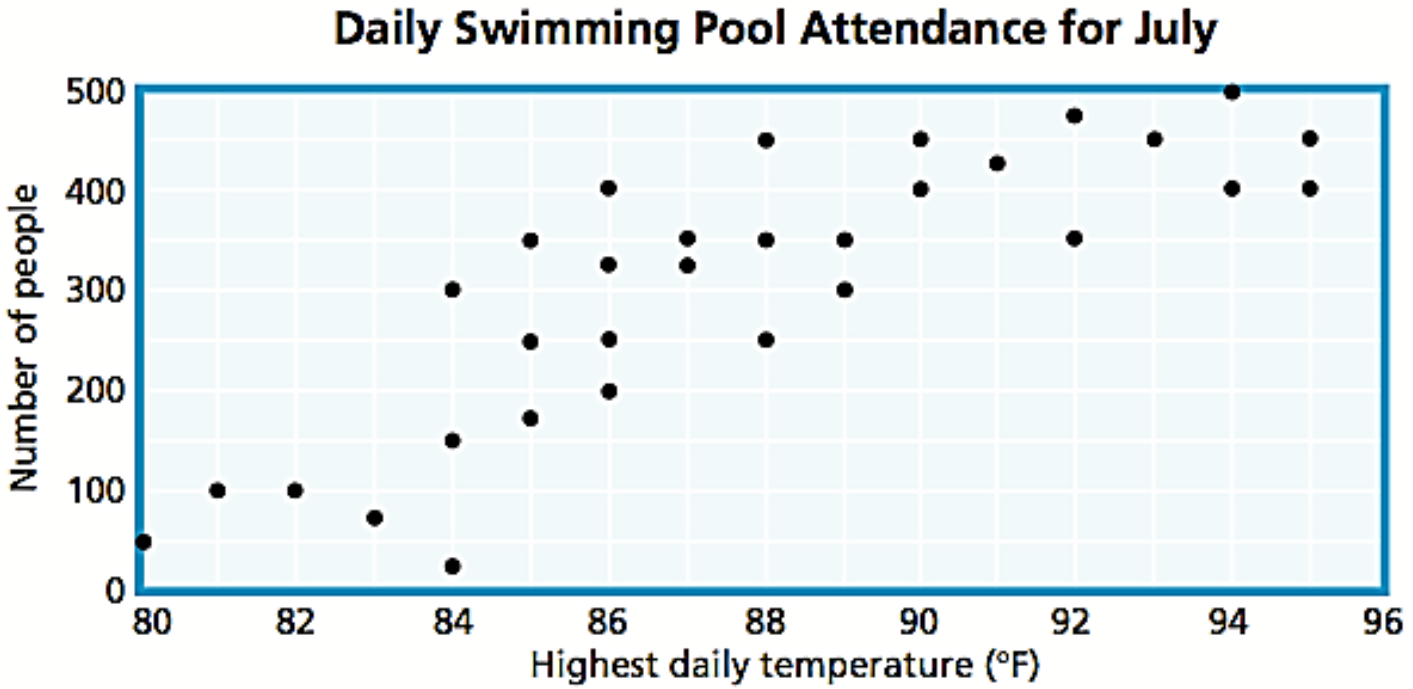
Do Now



2) Find the mode of the high temperatures.



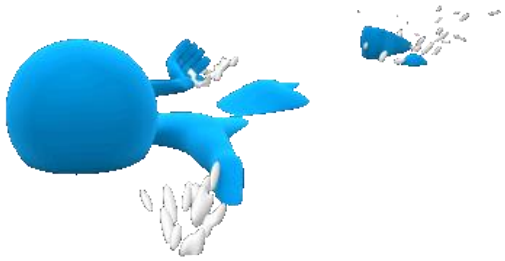
Do Now



3) Find the range of daily attendance.

What conclusions can you draw from the scatter plot?

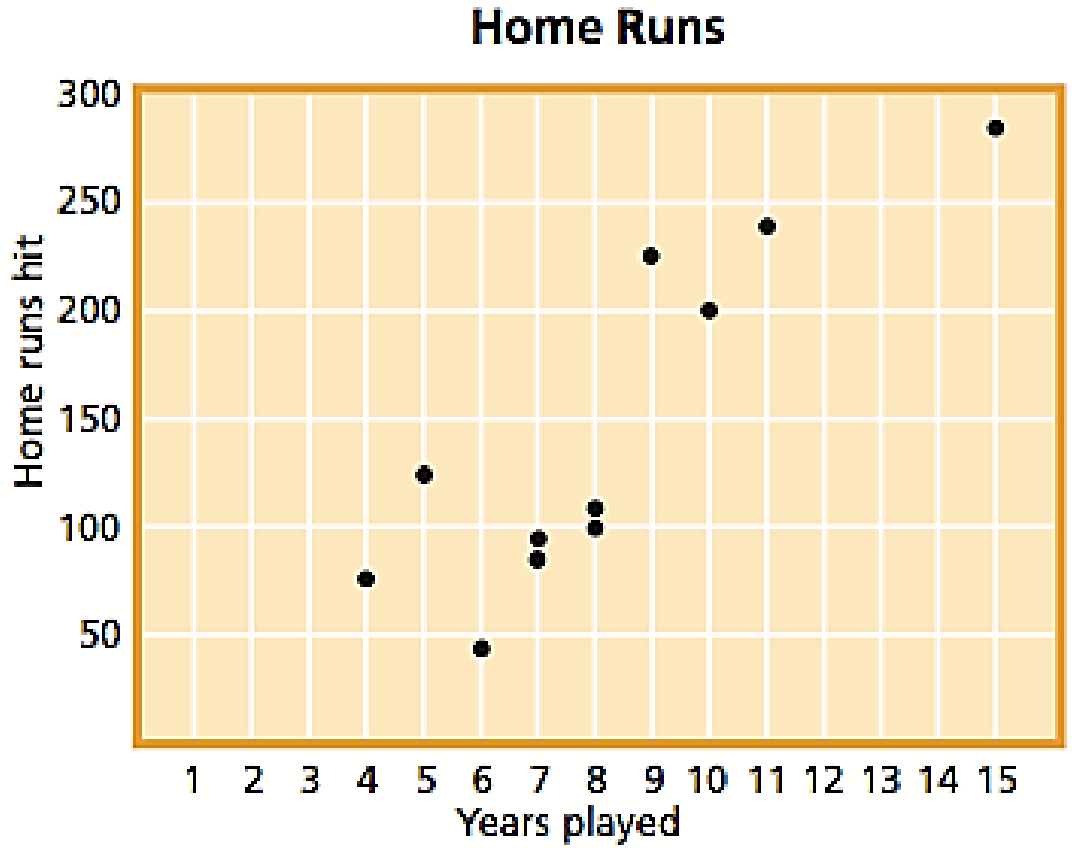
Find the median of daily attendance???

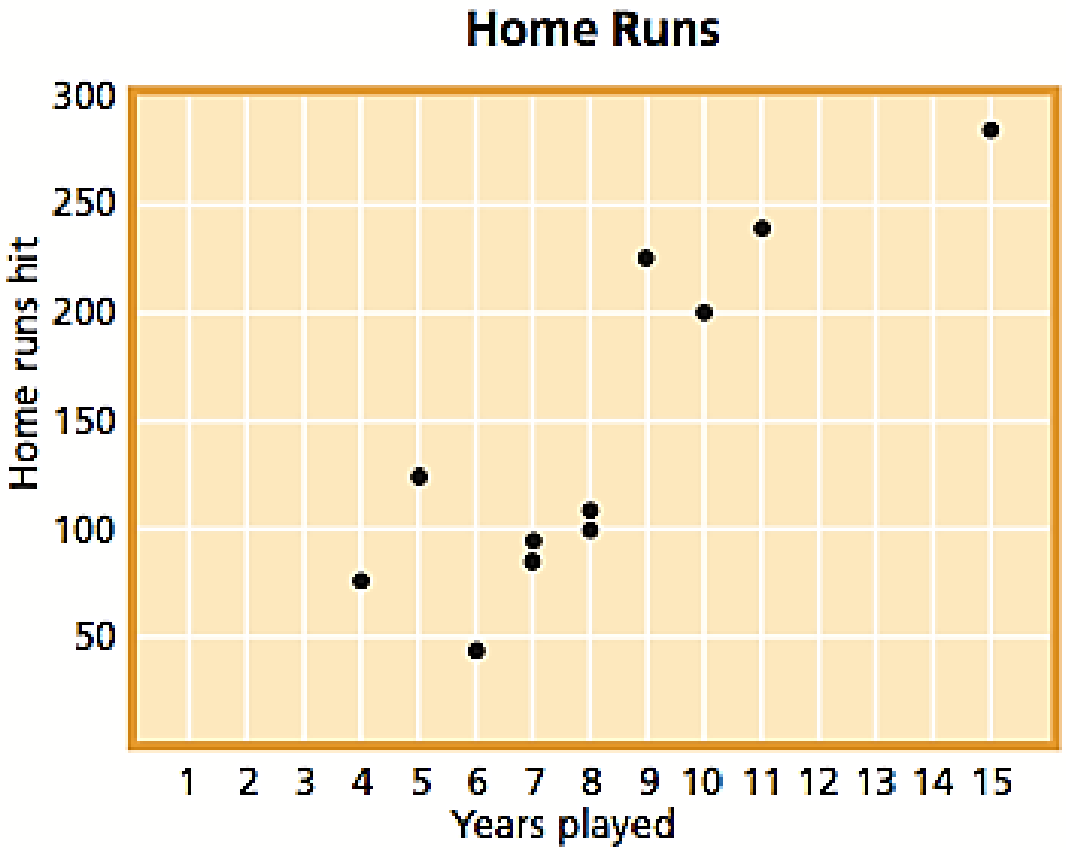


NOTES

Also, please get the next Computation Go behind tab B

A **scatter plot**, displays two sets of related data on the same set of axes. Points represent the data, but they are not connected to each other. There may be more than one point for any value on either axis.





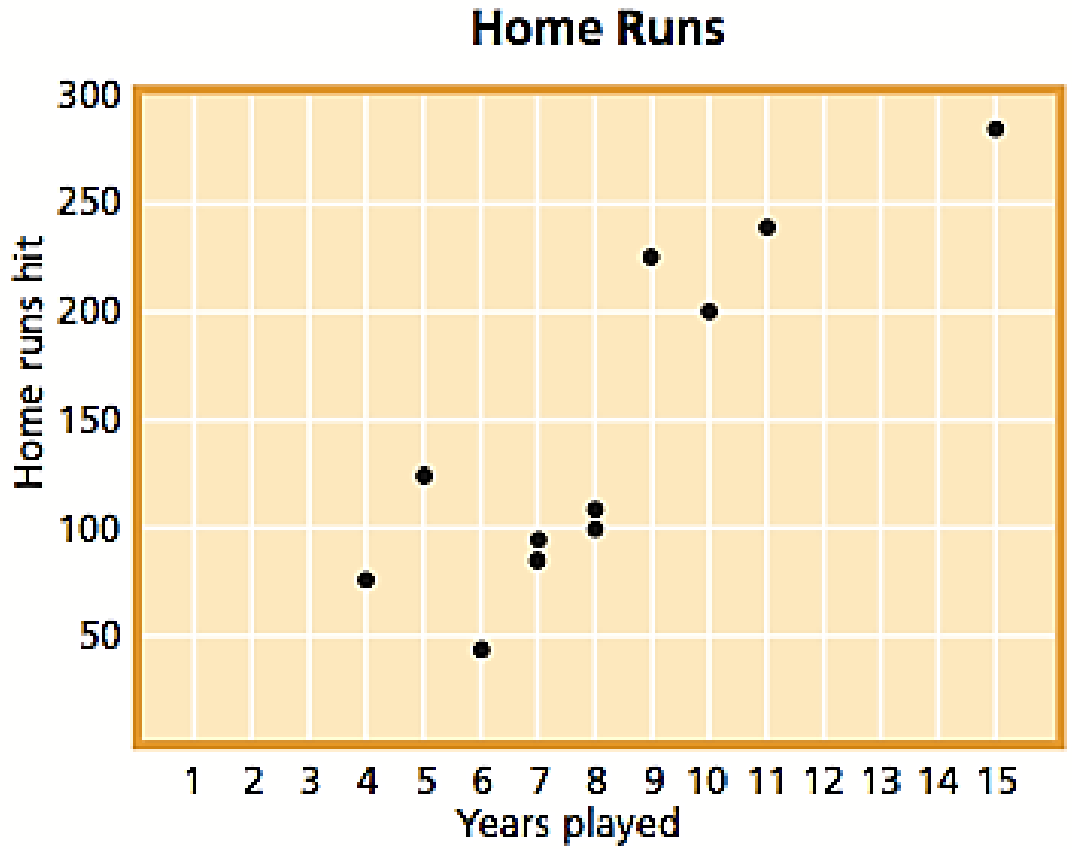
How many players are represented on this scatter plot?

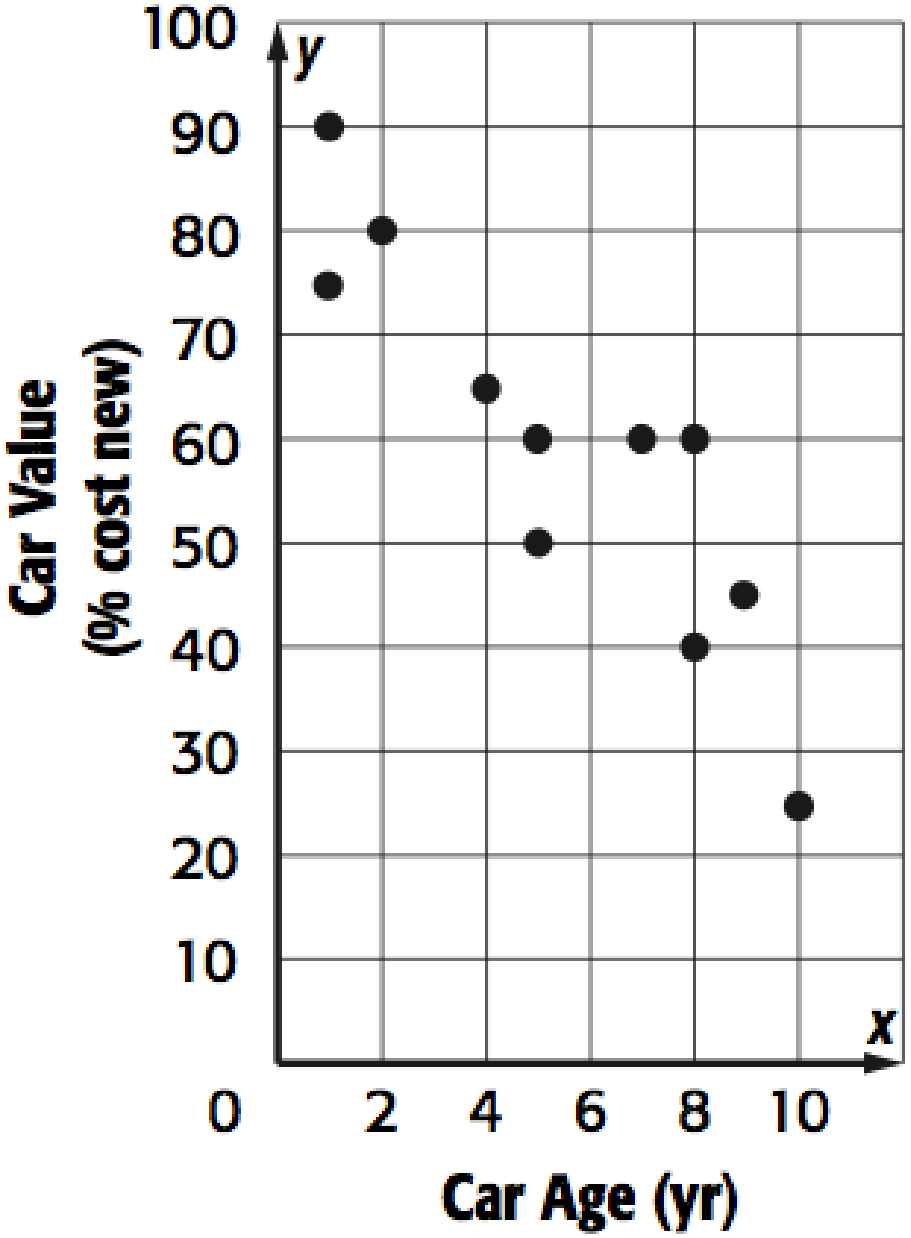
Can you draw any general conclusions about a relationship between the number of years played and the number of home runs hit?

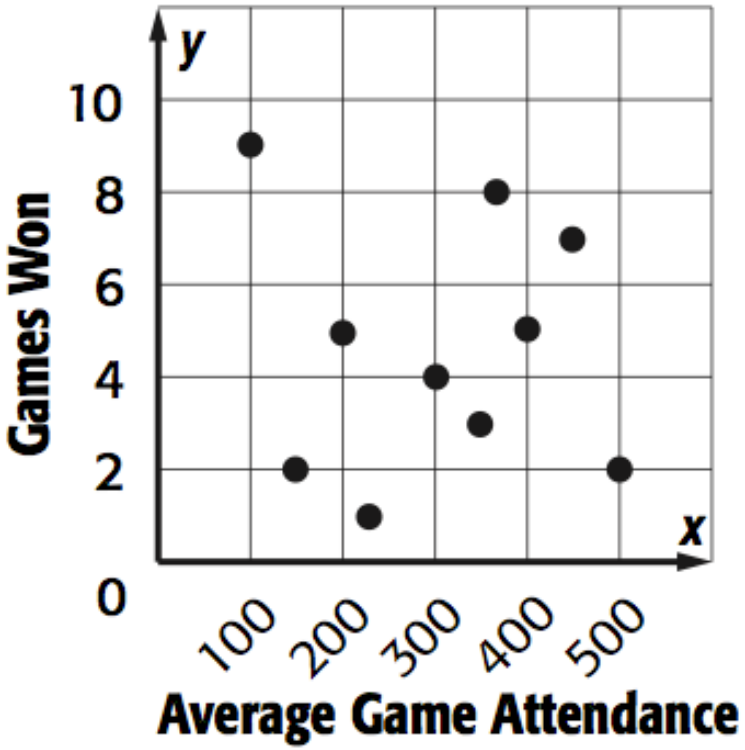
On some scatter plots, a **line of best fit**, or **trend line**, can be drawn near most of the points. A line of best fit that slopes up and to the right indicates a positive correlation among the data. A **positive correlation** means that as the horizontal axis values increase, the vertical axis values tend to increase.

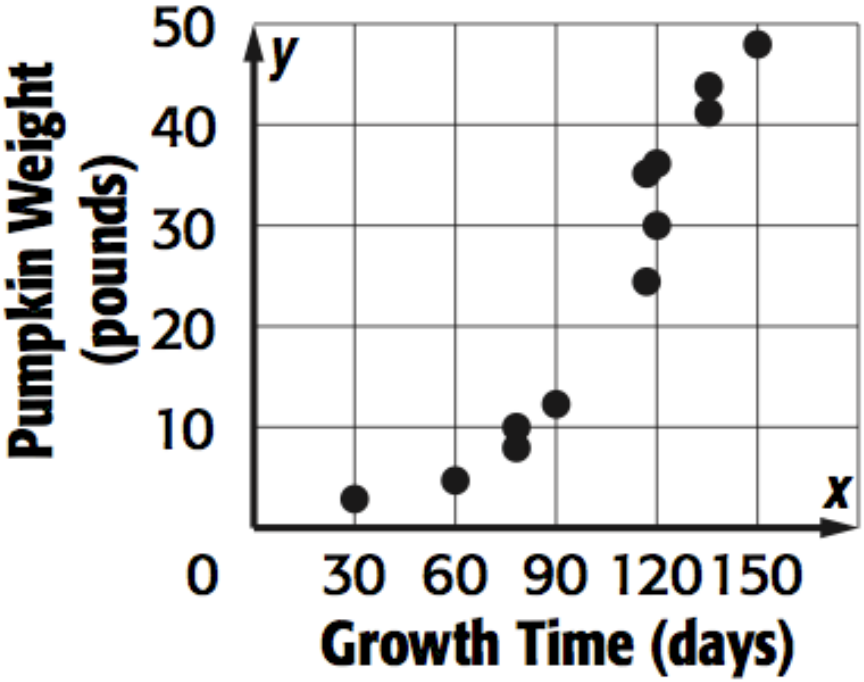
A line of best fit that slopes down and to the right indicates a negative correlation. A **negative correlation** means that as the horizontal axis values increase, the vertical axis values tend to decrease.

Does the home run data above have a correlation? Is it positive or negative? Can you draw a line of best fit through the data?




100
90
80
70
60
50
40
30
20
10
0
y
x
2
4
6
8
10
Car Value
(% cost new)
Car Age (yr)


y
10
8
6
4
2
0
x
Games Won
100
200
300
400
500
Average Game Attendance


y
50
40
30
20
10
0
x
Pumpkin Weight (pounds)
30
60
90
120
150
Growth Time (days)

Data on students' test scores and the number of hours per day they watch TV is shown in the table below.

Before you make your scatter plot, predict whether you will see a positive, negative, or no correlation in the data.

Test Scores	**73**	**81**	**74**	**97**	**58**	**71**	**50**	**84**	**91**	**64**	**76**	**82**	**62**	**84**	**77**	**63**
Hours spent watching TV	3.5	1.5	2.5	1	4	2	1	2	1.5	0	4	2.5	3.5	1	2	4.5