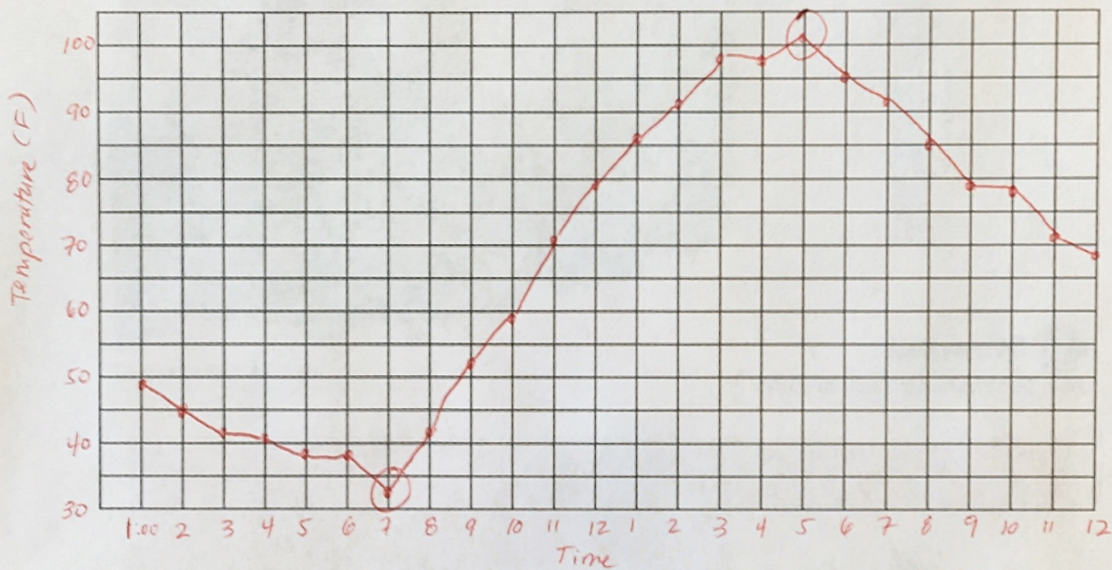


Plot the hourly data for Alva, Oklahoma (a town in the northwest part of the state) and identify the minimum, maximum, average, and range of the data for this day. (Hint: Use the x-axis for time and the y-axis for temperature.)

1:00 AM 48°F	7:00 AM 33°F	1:00 PM 86°F	7:00 PM 92°F
2:00 AM 45°F	8:00 AM 43°F	2:00 PM 92°F	8:00 PM 85°F
3:00 AM 42°F	9:00 AM 53°F	3:00 PM 97°F	9:00 PM 79°F
4:00 AM 41°F	10:00 AM 59°F	4:00 PM 97°F	10:00 PM 78°F
5:00 AM 37°F	11:00 AM 71°F	5:00 PM 101°F	11:00 PM 71°F
6:00 AM 37°F	12:00 PM 79°F	6:00 PM 95°F	12:00 AM 68°F



Circle the maximum value on the graph above and write the maximum here: 101°F

Circle the minimum value on the graph above and write the minimum here: 33°F

Calculate the average of the data: 67.9°F

Calculate the range of the data: 68°F

How do each of the values above, when taken individually, not tell the whole story of the temperatures at Alva on April 17<sup>th</sup>?

Maximum temperature alone would indicate a very hot day.  
 Minimum temperature alone would indicate a very cold day.  
 Average temperature alone would indicate a mild day.