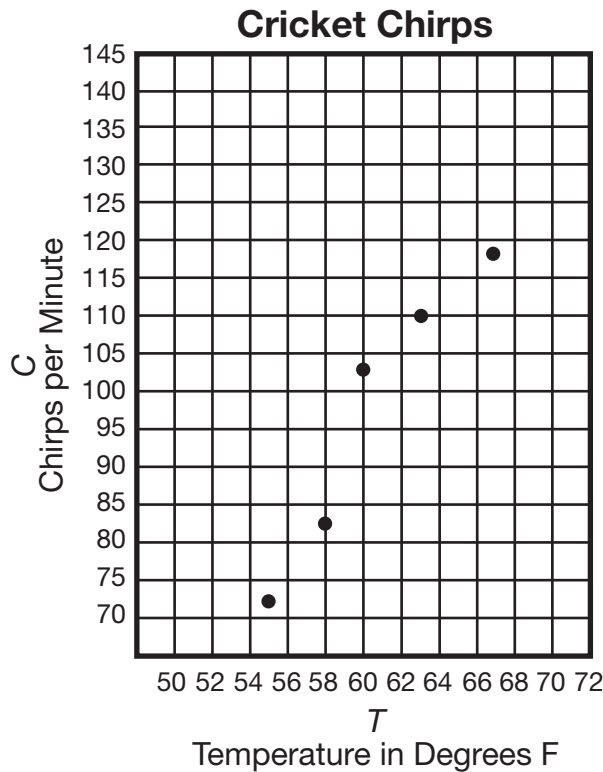


7. Luis counted the number of chirps made in one minute by his pet cricket over several different nights. He recorded the temperature each time he counted. Here is his data.



<i>T</i> Temperature in Degrees F	<i>C</i> Chirps per Minute	Ordered Pairs (<i>T</i> , <i>C</i>)
67	118	(,)
63		
	82	
	102	
55	72	(55, 72)

- A. Complete the table and list Luis’s data as ordered pairs.
- B. Describe the graph.
- C. What happens to the number of chirps when the temperature goes up?
- D. If the points lie close to a line, draw a best-fit line.
- E. If possible, predict the number of chirps per minute when the temperature is 70 degrees.
- F. If possible, predict the number of chirps per minute when the temperature is 56 degrees.
- G. Did you use interpolation or extrapolation to answer Question 7E?