

Name \_\_\_\_\_ Date \_\_\_\_\_ Period \_\_\_\_\_

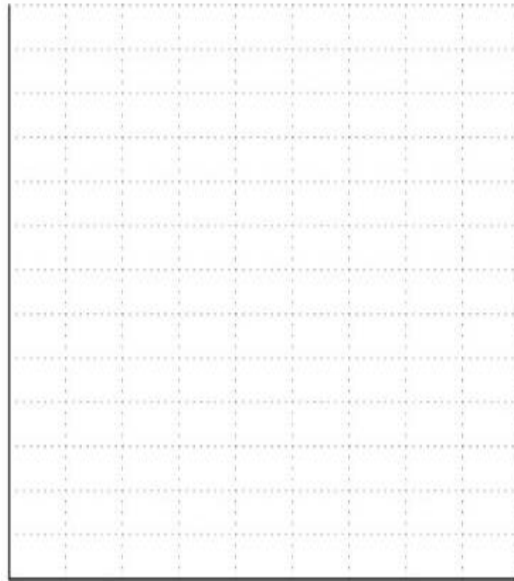
### Ch 3 Quantitative Data: Heartbeats

Directions: We are going to monitor our heart rate for a one minute interval, then use the data.

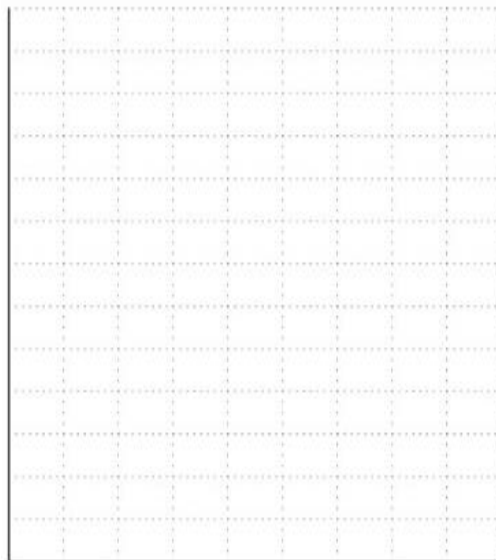
1		11		21	
2		12		22	
3		13		23	
4		14		24	
5		15		25	
6		16		26	
7		17		27	
8		18		28	
9		19		29	
10		20		30	

- 1) Find the mean.
  - 2) Find the standard deviation.
  - 3) What does the standard deviation tell us?
  - 4) Find the 5-number summary. Then find it based on gender.
  - 5) Find the range and IQR.
  - 6) Make a stem-and-leaf plot.
  - 7) Make a dotplot.
-

8) Make a histogram.



9) Make a boxplot based on gender.



10) Describe your shape, center, and spread based on the displays.

11) Are there any unusual features? (gaps, outliers, etc.)

12) Based on the data, make a conclusion.