Algebra 1: Unit 9, Lesson 2: Graphing and Displaying Data HW Handout Name:

From the data provided...

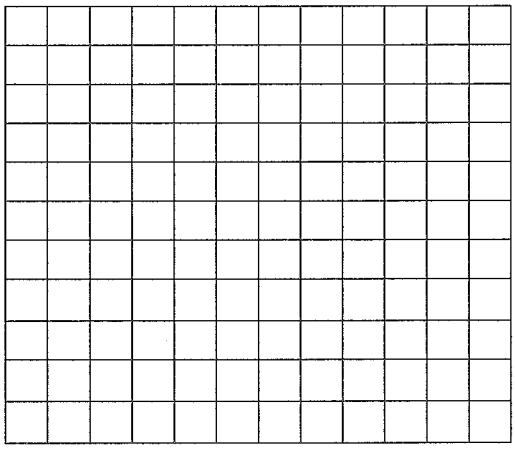
Players' heights of forty-four 2013 San Francisco Giants (inches)										
76	77	75	72	76	70	76	76	75	71	76
76	72	72	73	73	71	70	73	76	76	71
74	72	73	73	71	69	73	73	77	74	69
73	76	71	70	71	76	73	75	74	71	70

1. Create a frequency distribution table with 5 classes of the heights of the 2013 San Francisco Giants.

Heights (inches)	Frequency

Total:

2. From the frequency distribution, create a histogram; label the axes please.



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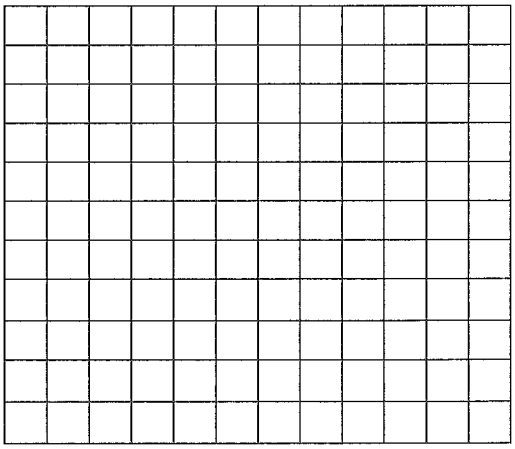
Players' heights of sixty 2013 Los Angeles Dodgers (inches)										
73	77	75	73	75	73	75	74	73	75	75
79	72	77	75	74	73	75	75	74	74	77
75	74	71	73	70	74	71	69	75	70	72
72	70	70	70	74	74	74	75	72	77	78
74	75	74	74	72	75	73	73	71	74	71
70	76	71	71	73						

3. Create a frequency distribution table using the **SAME BOUNDARIES** of the SF Giants classes; FYI: you'll need to use 6 classes.

Heights (inches)	Frequency

Total:

4. From the frequency distribution, create a histogram; label the axes please.



5. Describe what you see in the Giants' data.

6. Describe what you see in the Dodgers' data.

7. Compare the two histograms of the teams. What do they have in common? How are they different?

8. **Combine** the data from the two sets and create a relative frequency of teams' heights.

Classes of Player Height (inches)							Total
Relative frequency							

a. Most players are _____ in height. Justify your statement.

9. Create a two-way table of players' heights and the type of player.

	Heights of SF Giants (Classes)						
Team							***Total***
SF							
Dodgers							
Total							

a. Based on the two-way table, most Dodgers are how tall? Explain.

b. Based on the two-way table, most Giants are how tall? Explain.

c. Based on the two-way table, which team is taller? Explain your opinion.

10. Complete a relative frequency table with joint and marginal frequencies, and answer the following questions.

	Heights of SF Giants (Classes)						
Team							**Total**
SF							
Dodgers							
Total							

a. Given a player is a SF Giant, find the conditional relative frequency that the player is 71-72" tall.

b. Given that a player is 79-80" tall, find the conditional relative frequency that the player is a SF Giant.

c. Given that the player is 71-72" tall, find the conditional relative frequency that the player is a Dodger.

d. You should have found each marginal relative frequency. Interpret each (there are 8) in words.