Leaf

0 3 6

6 7 8

3 6 8

5 6 9

Stem

1

2

3

4

The stem and leaf plot at the right shows the amount of candy the students in Mrs. Hipp's math class ate the week after Halloween. Using the stem and leaf display, answer questions 1 through 4.

- 1. What is the most common age group for cond, eater.
  The 40's
- 2. What is the median amount of candy eaten?

1	1
>	6

3. What percent of the students ate between 20 and 40 pieces?

4. Make a histogram to represent the data.



Mrs. Hipp's math class took a mini quiz on data and statistics. Below are the scores for the quiz and the retake. There were 9 questions.

	Quiz	
4	3	
7	8	
2	4	
7	4	

5	5
7	9
8	9
7	6
5 5	6 7.7 8

Retake

2344,4778

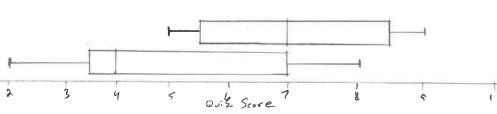
5. Find the lower extreme, first quartile, median, third quartile, and upper extreme for the quiz and the stake.

retake.

| Minis | Qiss | Minis | Qiss | Minis | Qiss | Med | Y | Qiss | Med | Y | Qiss | S | Med | Y | Qiss | Y | X | Qiss | Y | Qiss |

6. Make a paired box-and-whisker plot comparing the quizzes.

Retake Quiz



7. What information from #6 can be used to show students improved on the retake?					
Ex: 11	e Minimum	retake score	is higher than	the median	quiz Score.
			He same as		

In a survey, 100 people were asked, "Do you use snapchat?" The table breaks down the responses by age group: less than 30 years old, between 30 and 50 years old, and over 50 years old. Use the table to answer number 8 and 9.

- 8. Find the indicated percent.
  - a. the percent of people surveyed who are wester 50 years old or young

80	2	80%
(00		

		Yes	No	
er	< 30	22,	益	50
	30-50	15	15	30
	> 50	54	24	20
	788750(28)	50	50	100

- b. of those between 30 and 50 years old, the percent of people surveyed who have never used snapchat 15- 50%.
- 9. Is there an association between age and using snapchat? How do you know?

(30+765) 250:6090

Yes, as age increases, the percentage of

perfect using snatchet decreases. 60% of

perfect tess than 30, 50%. I perfect between 30 and 35.7. of perfect over 50 use snapshot.

10. Give an example of when there would be a negative correlation coefficient.

The time spent training for a 100 yard dash and the time it takes to run the 100 yard dish.