Day 1- Homework Answers:

1. 13

2. 25

3. 40

4. 1901-1030 because fewer people had lower batting averages, so more people had higher batting averages. This would make the overall average to be higher.

5. As the century progressed, the batting averages of the title winners in general decrease. This may be due to...

6. 24%

7. 18%

8. 20%

9. 28%

10. NO because word lengths don't really match up very well.

or YES because the general shapes of the histograms are pretty similar.

Stemplots

(aka: Stem and Leaf Plots)

Test scores -- 3rd Grade

5	0
6	4
7	58
8	00011122344566788
9	6789

Key: 6|4 = 64

Video Link:

http://www.learner.org/courses/againstallodds/unitpages/unit02.html

Complete the Video Guide as you watch

Video Guide Key

1. List some of the variables that were taken on soldiers for the sizing data bank.

1. Sample answer: head circumference, upper arm circumference, foot length, foot width, height.

2. What was the overall shape of the distribution of soldiers' foot lengths? About where was the center of the distribution?

2. The foot length data was fairly symmetric with a single peak. The center was around 26.8 inches.

3. What variable was used to measure fuel economy on Toyota's line of vehicles?

3. City miles per gallon (mpg).

4. Focus on the stemplot of fuel economy for Toyota's 2012 line. What new information became evident (or more clear) when the stem was expanded?

4. There were outliers at the upper end of fuel efficiency. A few cars got great gas mileage.

5. What was learned from back-to-back stemplots about the change in fuel economy in Toyota's vehicle line from 1984 to 2012?

5. The data for the 2012 models exhibited more spread. There were vehicles that were more fuel efficient (for example, the Prius) in 2012 compared to 1984, but there were vehicles that were less fuel efficient (for example, SUVs) in 2012 compared to 1984.

Homework:

Packet pg. 11

2 Histograms for #17 (Male, Female)

#18 good discussion