

Analyzing data like a statistician

## Connect

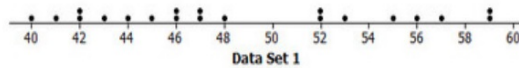
histograms      box plots  
line plots      scatter plots

THINK

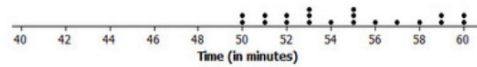
I do

## Time to complete a certain assignment

Data Set 1 Sixth Graders

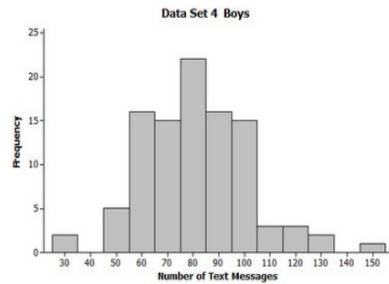
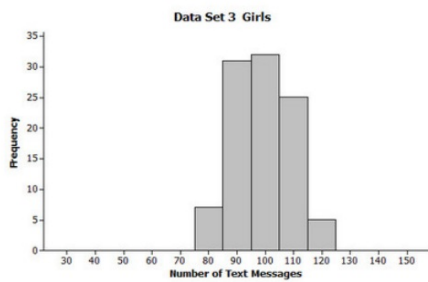


Data Set 2 Seventh Graders



1. Describe the data distribution of times for seventh graders (Data Set 2). Be sure to comment on center, spread and overall shape.
2. Are Data Set 1 and Data Set 2 centered in about the same place? If not, which one has the greater center?
3. Which of Data Set 1 and Data Set 2 has greater spread?
4. Were sixth graders (Data Set 1) or seventh graders (Data Set 2) more consistent in their times to complete the task?

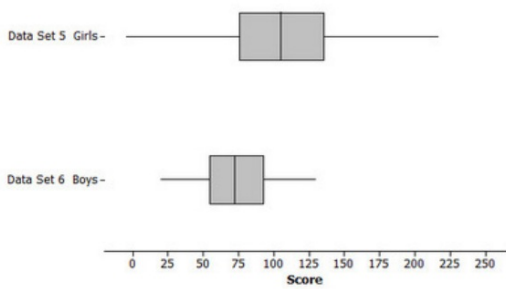
## We do



- Describe the data distribution of number of text messages for the girls (Data Set 3). Be sure to comment on center, spread and overall shape.
- Are Data Set 3 and Data Set 4 centered in about the same place? If not, which one has the greater center?
- Which of Data Set 3 and Data Set 4 has greater spread?
- On average, did the girls (Data Set 3) or the boys (Data Set 4) send more text messages?

**You do together  
on whiteboard**

Scores on a certain video game



9. Describe the data distribution of Data Set 5. Be sure to comment on center, spread and overall shape.
10. Are Data Set 5 and Data Set 6 centered in about the same place? If not, which one has the greater center?
11. Which of Data Set 5 and Data Set 6 has greater spread?
12. On average, did the girls (Data Set 5) or the boys (Data Set 6) tend to have higher scores?

**You do alone on  
index card**

"How many of the last 21 presidents can you name? (Top = middle schoolers, bottom = high schoolers)"

