January 6, 2012

~~Get out your homework~~...

Page ~~302~~ **318** and page 309

1/5 - Central tendancy, box-and-whisker graphs

⇑

Numbers that give you the general idea

- **Mean** — average (add all #'s then divide by how many there were) outliers throw off the data

- **Median** — middle of an ordered list

- **Mode** — the answer that occurs the most non-numerical data

Which would be the best measure of central tendancy?

**Shoe size of
every student
in class**

seperate by gender → mean
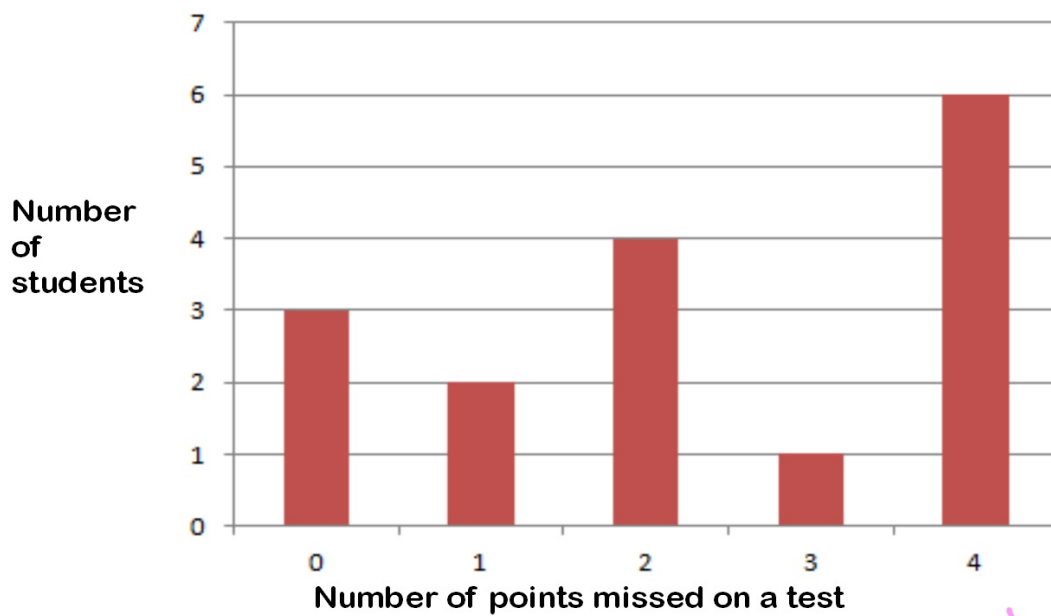
**Distance from
home to school**

*median
(could be outliers)*

**Points of improvement
from Test1 to Test2**

*median
(could be ocutliers)*

Favorite color

Mode

7
6
5
Number of students
4
3
2
1
0

0   1   2   3   4

Number of points missed on a test

What is the _mean_ number of points missed?

16 total people

2.3125

37 ÷ 16

0
0
0
1
1
2
2
2
2
3
4

Create a box-and-whisker graphs for:

(7)

8
9
11   —10
12
15   —15
15
18
18   —19
20

22

(25)

One company's income in thousands of dollars

Month	Sales	Month	Sales
Jan	22	July	9
Feb	18	Aug	11
Mar	7	Sept	18
Apr	15	Oct	15
May	12	Nov	20
June	8	Dec	25
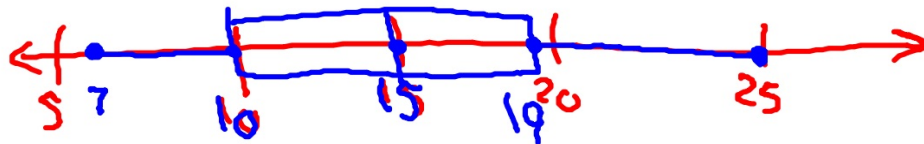
5 7   10   15   19 20   25

HOMEWORK

Page 330 #1-16 all

Due: