

pg. 652 # 2-26 even, 17

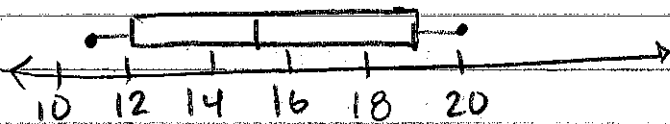
2. mean  $\frac{307 + 309 + 323 + 304 + 390 + 398}{6} = 338.5$

median 304 307 309  $\uparrow$  323 390 398

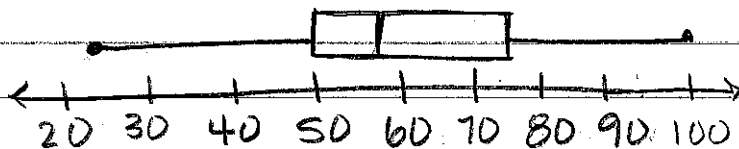
$$\frac{309 + 323}{2} = 316$$

mode - none

4. 11 (12) 12 (15) 19 (19) 20



6. GC



8. 

5581	5706	5700	5896	5972	5993
6075	6274	6283	6381		

10 data

$$\begin{aligned} &30\% \text{ of } 10 \\ &.3 \cdot 10 = 3 \\ &5896 \end{aligned}$$

$$\begin{aligned} &90\% \text{ of } 10 \\ &.9 \cdot 10 = 9 \\ &6381 \end{aligned}$$

10. 9.8

12. a. 0% . c. study one more customer for an odd data set & median  
b. if there is an even amount of data, no one data is the median.

14. outlier. Lowers mean.

16. 0<sup>th</sup>

18. 100<sup>th</sup> percentile means 100% of the numbers are lower.

17. 12 numbers below 34

But, how can a number be lower than itself?

The first 89 has 14 numbers below it

$$\frac{x \cdot 20}{20} = \frac{12}{20}$$

$$x = .6$$

60<sup>th</sup> percentile

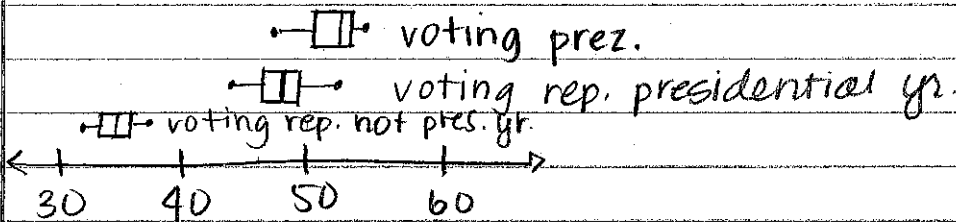
$$\frac{x \cdot 20}{20} = \frac{14}{20}$$

$$x = .7$$

70<sup>th</sup> percentile

20. Outliers can drastically affect mean. Median is better, it's in the middle

22.



b. if there is a presidential election, the voter turnout is higher for House Reps

24. F. 4.5  
H. 5

G. 5.5  
I. 4.5

26.  $.2 \cdot 80 = 16$  find the 17<sup>th</sup> data

$.6 \cdot 80 = 48$  find the 49<sup>th</sup> data