1. John scored the following points in ten consecutive basketball games: 13, 17, 31, 12, 11, 19, 14, 12, 15, 16
   What is the outlier? 31

2. What is the five number summary for the unordered stem and leaf plot shown below? Then use the five number summary to draw a box-and-whisker plot.

Stem	Leaf
1	6 3 6
2	2 2
3	5 0 8

Key: 3 | 5 = 35

13, 16 | 16, 22 | 22, 30 | 35, 38

1st med. 3rd

minimum = 13
1st quartile = 16
median = 22 (2nd quartile)
3rd quartile = 32.5
maximum = 38

3. Your parents want to know how you are doing in your math class. You have received the following scores on your Algebra exams: 66, 45, 78, 80, 98, 75, 80, 52, 68. Find each of the statistical measures below. Circle the statistical measure that would convey this information in such a way that your parents would think you were doing the best.

$$\frac{66+45+78+80+98+75+80+52+68}{9}$$

A. mean = 71.3

B. median = 75

45, 52, 66, 68, $\boxed{75}$, 78, 80, 80, 98

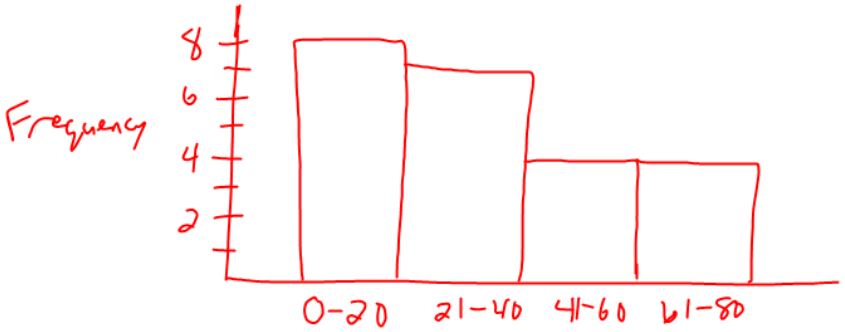
med.

C. mode = 80

D. range = 53

max − min = 98 − 45

4. Ages of people who attended a city council meeting were 4, 6, 7, 7, 12, 14, 18, 19, 24, 24, 29, 30, 35, 36, 40, 45, 46, 50, 50, 64, 70, 71, 72. Draw a histogram of this data using ranges of 0-20, 21-40, 41-60, 61-80 80 as the ranges.

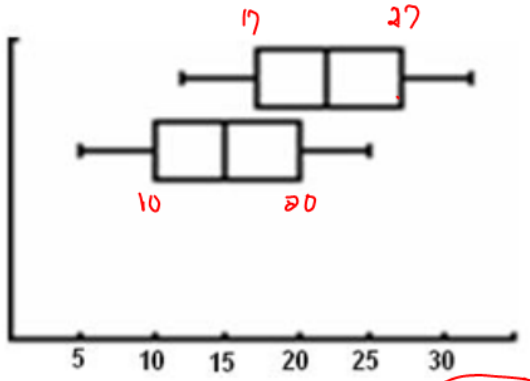


tally chart

0-20	~~IIII~~ III
21-40	~~IIII~~ II
41-60	IIII
61-80	IIII

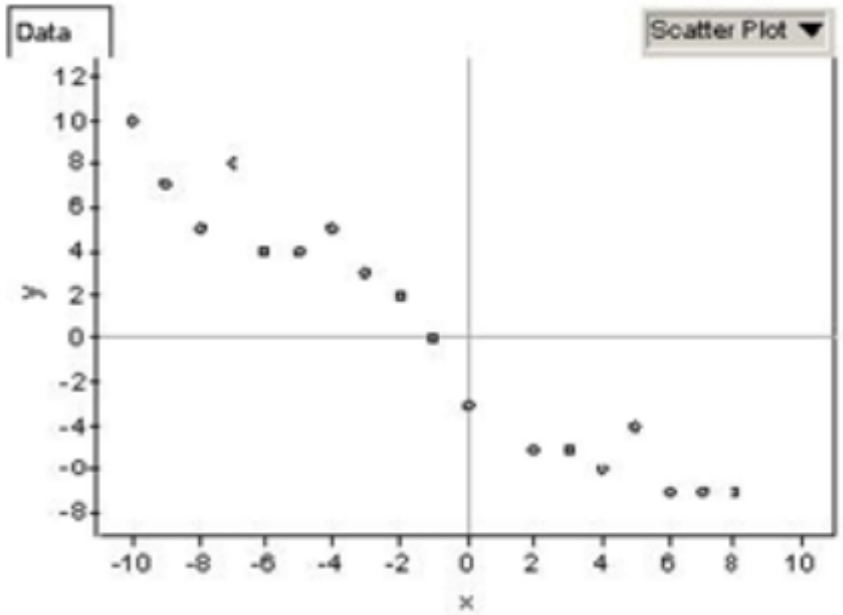
5. Refer to the box-and-whisker plots shown below. Which number is within the interquartile range for both sets?

3rd — 1st



A. 12 B. 16 C. 18 D. 21

6. What type of correlation is shown by the scatterplot shown below?



A. positive correlation

B. negative correlation

C. no correlation

D. cannot be determined