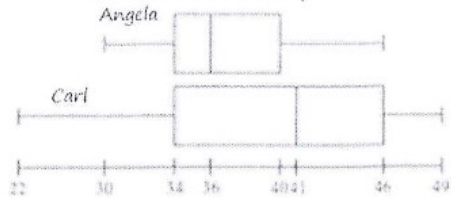




6. Angela and Carl are competing to see how many people they can get to join the gym each month. Both Angela and Carl recorded their number of enrollees for the year.

- a. Who had the highest IQR? *Carl*
- b. Describe Carl's data. *skewed left*
- c. What is Angela's median? *36*



d. What is the difference between Angela's minimum and Carl's minimum?

*Angela - 30 Carl - 22 30 - 22 = 8*

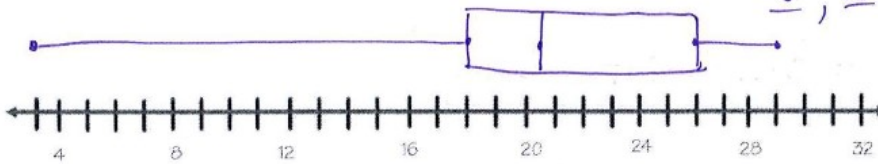
7. Find the following statistics. Then graph a **BOX AND WHISKER PLOT**.

Ten people were asked how many times they check their email per day.

The results: *21, 20, 25, 29, 14, 3, 18, 26, 19, 26 3 14 (18) 19 20 | 21 25 (26) 26 29*

Mean: *20.1* Median: *20.5* Mode: *26* Range: *26 (29-3)*

Q1: *18* Q3: *26* IQR: *8 (26-18)* *5# summary 3, 18, 20.5, 26, 29*



Describe the distribution of the data: *skewed left*

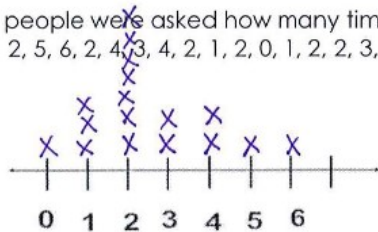
What percent of people check their email more than 26 times a day? *25%*

How many times does the middle 50% of people check their email? (give an interval) *18 - 26 times*

8. Create a **DOT PLOT** using the following data.

Seventeen people were asked how many times they brush their teeth in one day.

The results: *2, 5, 6, 2, 4, 3, 4, 2, 1, 2, 0, 1, 2, 2, 3, 2, 1*



How many people brush their teeth at least 2 times a day? *13 people*

How many people brush their teeth between 1 and 4 times a day? *14 people*

What is the median of this data? *2*

19. Construct a **FREQUENCY DISTRIBUTION** for the data below. Then construct a **HISTOGRAM**.

Mr. Hall measured the heights of students (inches) from a previous class.

The results: ~~57, 59, 66, 60, 70, 47, 61, 85, 57, 71, 74, 48, 70, 67, 62, 62, 58, 55, 62, 68~~

Height (in)	Frequency
40 up to 50	2
50 up to 60	6
60 up to 70	8
70 up to 80	4

