Name: KO

Part 1: For each set of data, find the median, the first and third quartiles, the IQR, and the range.

How many photos are in your camera roll on your cell phone? Data Set 1: (Tipus Data Set 2: Boys IQR: 2160.5 - 48.5 2112 603 Q3: 467.5 Range: 3001-30 Range: 3473 Median: 214.5 Median: 514 MIN: 30 Q1: 7 Q1: 48.5 MAX: 3001 03: 2160.5 Q3: 467.5 IQR: 2112 IQR: 460.5 Range: 2971 Range: 3471

Compare the medians and measures of variation for each distribution.

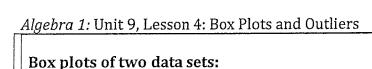
SPREAD

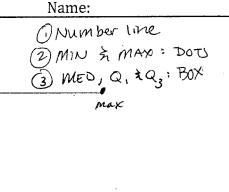
(spread)

- · Gires' MEDRAN IS LARVER THAN BUYS'
- Boys HAVE A GREATER SPREAD GIRLS ARE MORE ACIKE IN HOW MANY PICTURES THEY TAKE & BOYS ARE LESS ALIKE.
- One way to display data is through the use of the histogram, which is a great way to see how the <u>Frequency</u> of data is distributed among a group.

• To look how the <u>NAMES</u> of data are distributed within a group, a <u>Box Plot</u> can be used. From the group, all you need is:

- The minimum (the least value)
- Quartile 1
- Median
- Quartile 3
- The maximum (the greatest value)

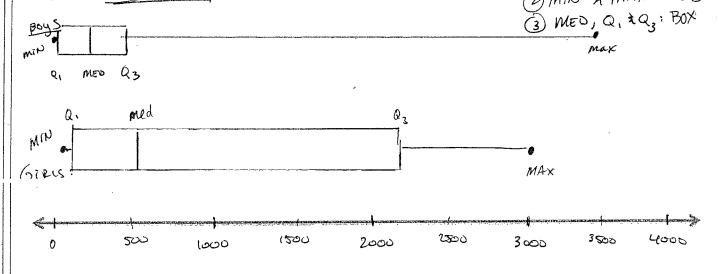


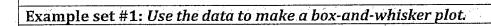


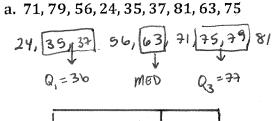
b. 210, 195, 350, 250, 260, 300

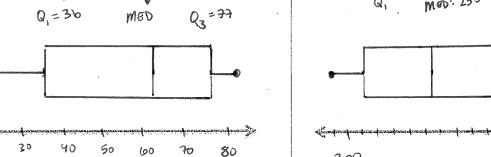
350

300











20

In a data set, some values are very extreme compared to the rest. Do you think we have any extremely big or small values in the first data set? If so, which ones, and what about them seem extremely different?

any number than anouther. = 467.5 + (1.5)(460.5)

greater cuts is anouther. = 467.5 + 690.75

= 1,158.25

200

These extreme values are called OUTLIERS; an extreme value defined as any number less than Q, - (1.5)(IQIR) or any number more Q3+(1.5)(1QR). than