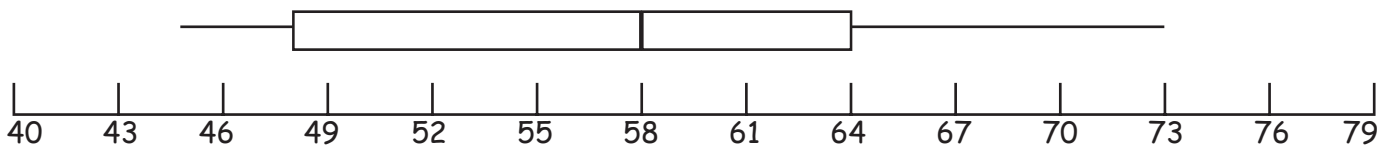


## Constructing a Box-and-Whisker Plot

Basketball Score Estimates organized in a box-and-whisker plot



Step 1: Copy the numbers from the sample strip onto your own strip.

**Sample Strip Arrangement of Data**

16	20	20	20	22	25	25	25	27	27	27	30	30	30	32	32	35	35	40
----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----	----

Step 2: a) Fold the strip in half to find the median.

b) Record the median \_\_\_\_\_

c) Draw a short vertical line at the median above the number line below.

Step 3: a) Fold each half strip in half to find the two new medians (quartiles).

b) Record the quartiles:

• median of lower half (1st quartile) \_\_\_\_\_

• median of upper half (3rd quartile) \_\_\_\_\_

c) Mark the two quartiles in a similar fashion as the median.

Step 4: Draw a box connecting the 1st quartile, the median, and the 3rd quartile

**Box-and-Whisker Plot**

