



2. You are conducting a survey about student preferences around online classes verses classes with a teacher.

a. Write a survey question that is biased:

b. Write a survey question that is not biased:

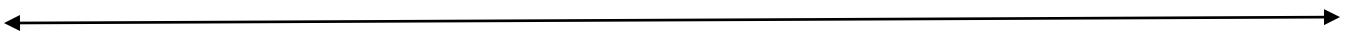
3. Find the MCT and 5#S of the following data set:

{17, 20, 28, 25, 21, 29, 35, 33, 31, 26, 34, 23, 19, 22}

MCT

5#S

Construct a box and whisker plot for the data above.



4. The following data sets are the scores for Kate's Science tests and English Tests for the year

MATH	78	84	90	79	85	88	91	84
ENGLISH	78	65	68	74	80	72	67	71

Find the MCT and 5#S for both data sets

Math MCT	English MCT
Math 5#S	English 5#S

Make comparative box and whisker plots for both of the data sets on the same number line.



What do you box and whisker plots say about Kate's scores?

5. The following data represents the number of hours that 10<sup>th</sup> grade students spend doing work outside of school a week :

5, 6, 7, 8, 9, 9, 9, 10, 12, 14, 17, 17, 18, 19, 19

- a. Find the MCT of the data

- b. Find the 5#S of the data .

- c. Which of the following is a box and whisker plot that represents the situation:

