

Worksheet – Sections 2.3, 2.4, 3.3

1) The following table shows beef production of the six largest beef producers in the world (2020 data from the USDA). Make a bar graph for these data, with the bars in descending order.

Beef producer	Amount of beef (million metric tons)
United States	12.4
Brazil	10.1
European Union	7.8
China	6.6
India	3.7
Argentina	3.2

2) Identify the bar charts and histograms from the images below.

1. Favorite Food

Bar chart or Histogram? _____

2. Test Scores

Bar chart or Histogram? _____

3. Car Colors in Parking Lot

Bar chart or Histogram? _____

4. Heights of People

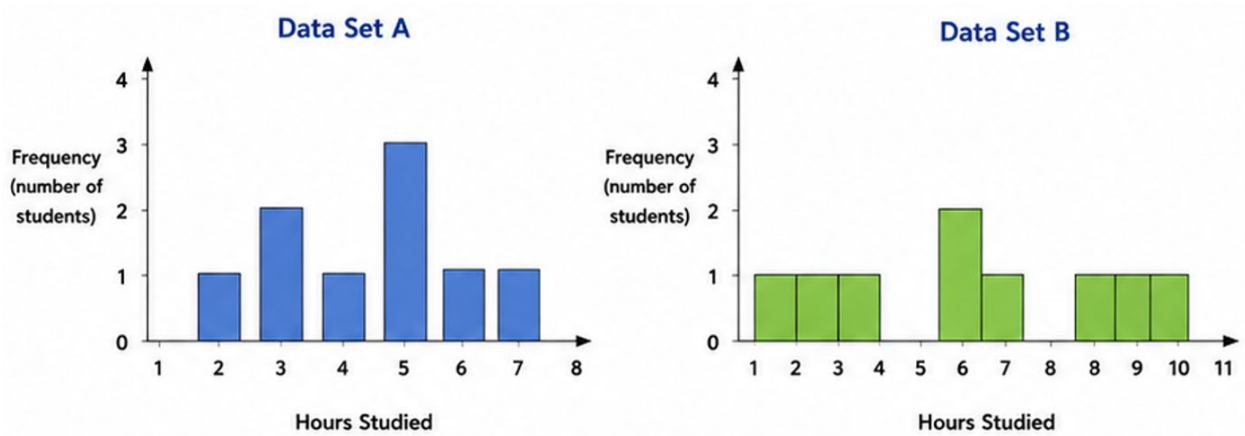
Bar chart or Histogram? _____

5. Favorite Music Genre

Bar chart or Histogram? _____

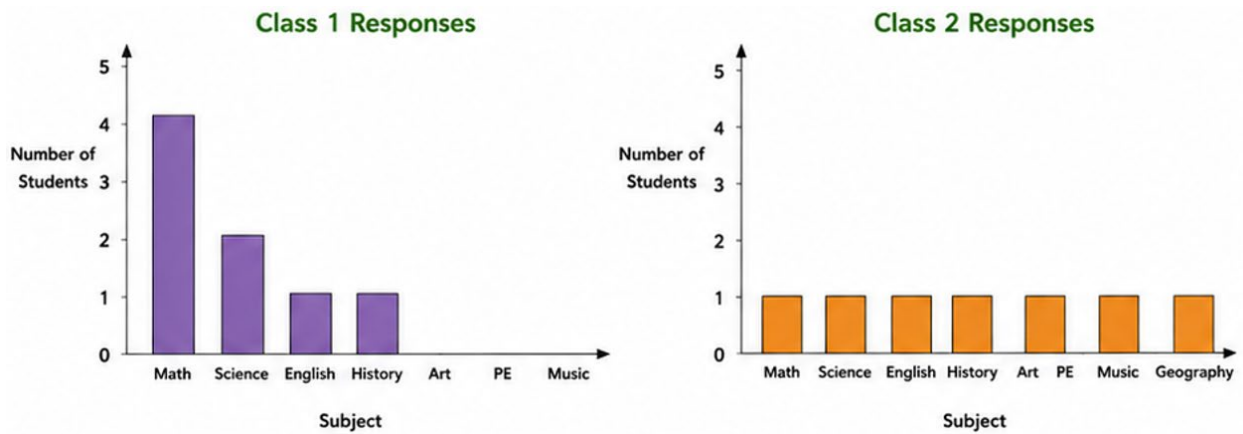
3) Among the registered voters in a certain county, 25% are Democrats, 25% are Republicans, 40% are Independents, and 10% are non-affiliated. Construct a pie chart to represent the party affiliations.

4) A teacher records the number of hours students from two classes studied for a test.



- (a) Find the mode of each data set.
 (b) Calculate the range of each data set. Which data set has a greater variability?

5) A survey asks students what their favorite school subject is.



- (a) Find the mode of each data set.
 (b) Which data set has higher variability? Why?

6) A group of eight children have the following heights:

54.0, 62.0, 53.0, 48.0, 53.5, 60.0, 71.0, 48.0

Find the median and interquartile range for the distribution of the children's heights.