**1.** Determine if this is an example of probability or statistics:
Of 100 coin tosses, 50 are likely to be "heads".
       Probability
       Statistics

**2.** Determine if this data is qualitative or quantitative:
State of residence
       Qualitative
       Quantitative

**3.** Determine if this study is experimental or observational:
A survey asks which candidate registered voters prefer. (Points :3)
       Experimental
       Observational

**4.** Construct a frequency distribution for the data given below:
2   6   16   16   12   2   8   15   17   17   3   7   11   2   9   6   13   16   12   11

**5.** Determine if this is an example of a variable or a parameter:
Weight
       Variable
       Parameter

**6.** Determine if this statistical study is descriptive or inferential:
A study establishes a link between obesity and heart disease.
       Descriptive
       Inferential

**7.** Given the following histogram, create a grouped frequency distribution:



**8.** Identify the sampling technique used to obtain this sample:
A CDC official selects the first ten US hospitals in an alphabetical listing, and asks them how many flu cases they’ve seen in the last year.
       random
       systematic
       cluster
       stratified
       convenience

**9.** Identify the sampling technique used to obtain this sample:
As a group of citizens enter a courthouse, a bailiff selects each 5th person for jury duty.
       random
       systematic
       cluster
       stratified
       convenience