WORKSHEET 1

1. **Variables whose values are determined by chance are called ………**
   a) dependent variables
   b) probability
   c) random variables
   d) independent variables

2. **"Number of students taking a statistics course" is an example of what type of variable?**
   a) Continuous
   b) Ratio
   c) Qualitative
   d) Discrete

3. **"The average age of students in a Math class is 23 years." Which branch of statistics has been used in the above statement?**
   a) Experimental
   b) Inferential
   c) Observational
   d) Descriptive

4. **"Students' scores on a biology test" is an example of what type of variable?**
   a) Qualitative
   b) Ratio
   c) Discrete
   d) Continuous

5. **What type of sampling is employed if country is divided into groups according to economic classes and a sample is chosen from each group to be surveyed?**
   a) Cluster
   b) Systematic
   c) Random
   d) Stratified

6. **Which of the following represents an interval level of measurement?**
   a) Major Fields
   b) Salaries of top managers in Jeddah
   c) Ranks of football teams
   d) Temperature inside 10 refrigerators

7. **"Number of cars" is an example of what level of measurement?**
   a) Ordinal
   b) Nominal
   c) Interval
   d) Ratio

8. **When running an experimental study, the variable that is manipulated by the researcher is called the ……… variable.**
   a) independent
   b) treatment
   c) confounding
   d) dependent

9. **If a researcher counts the number of people living in each house in a specific street, the type of study is ……… study.**
   a) independent
   b) observational
   c) experimental
   d) quasi-experimental

10. **"Five doctors were asked for their opinion about a new medicine." This is an example of ………**
    a) changing the subject
    b) detached statistics
    c) suspect samples
    d) ambiguous averages

11. **"Almarai yogurt has less calories." This is an example of ………**
    a) changing the subject
    b) detached statistics
    c) suspect samples
    d) ambiguous averages

Answer Key:

1. c
2. d
3. d
4. d
5. d
6. d
7. d
8. a
9. b
10. c
11. b