Name_____

Worksheet 3.2

In Exercises 1-2, determine whether the statement is true or false. If it is false, rewrite it as a true statement.

1. Data at the ordinal level are quantitative only.

2. For data at the interval level, you cannot calculate meaningful differences between data entries.

In Exercises 3-5, determine whether the data are qualitative or quantitative.

3. The telephone numbers in a telephone directory.

4. The daily high temperatures for the month of July.

5. The lengths of songs on an MP3 player

In Exercises 6-8, determine whether the data are qualitative or quantitative and identify the data set's level of measurement. Explain your reasoning.

6. **Football**   The top five teams in the final college football poll released in January 2007 are listed. (Source: Associated Press)
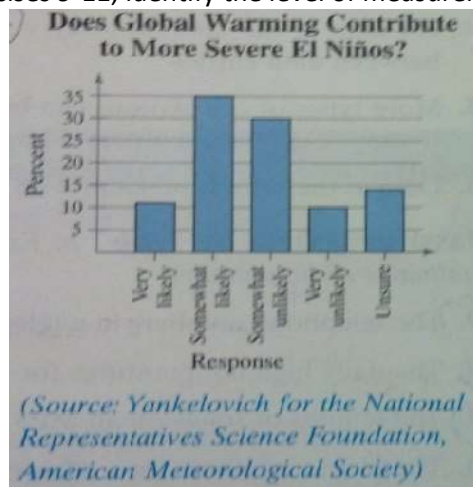   1. Florida   2. Ohio State   3. LSU   4. USC   5. Boise State

7. **Politics**   The three political parties in the 110th Congress are listed below.
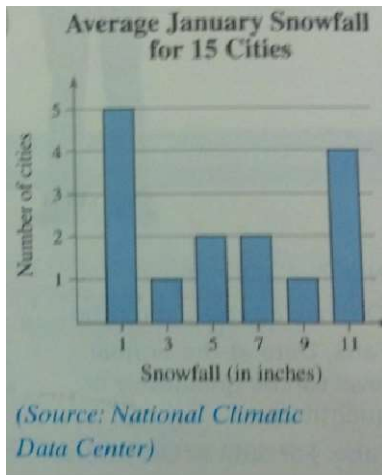   Republican   Democrat   Independent

8. **Fish Lengths**   The lengths (in inches) of a sample of striped bass caught in Maryland waters are listed. (Adapted from: National Marine Fisheries Service, Fisheries Statistics and Economic Division)
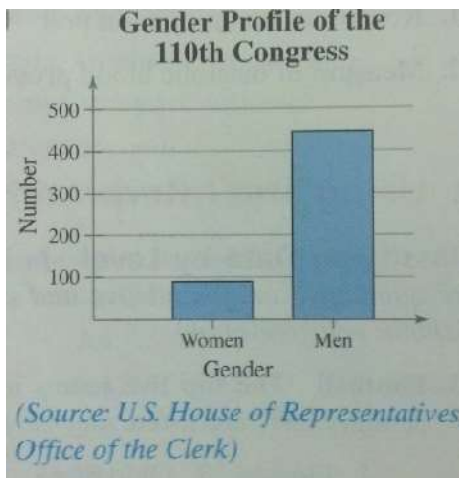   16   17.25   19   18.75   21   20.3   19.8   24   21.82

In Exercises 9-11, identify the level of measurement of the data listed on the horizontal axis in the graph.

Does Global Warming Contribute to More Severe El Niños?

(Source: Yankelovich for the National Representatives Science Foundation, American Meteorological Society)

9.

**Average January Snowfall
for 15 Cities**

Number of cities

Snowfall (in inches)

10.

**Gender Profile of the
110th Congress**

Number

Women   Men

Gender

11.

12. The following appear on a physician's intake form. Identify the level of measurement of the data. (4 pts)
    a. Temperature

    b. Allergies

    c. Weight

    d. Pain Level (scale of 0 to 10)