Population Vs. Sample Worksheet

Determine whether the data set is a population or a sample. Explain your reasoning.

1. The age of each state governor.

2. The speed of every fifth car passing a police speed trap.

3. The annual salary for each employee at a company.

4. The number of pets in each U.S. household.

Identify the population and the sample.

5. Students at Central College
   Students at Central College who take statistics

6. Income of home owners in Ohio with mortgages
   Income of home owners in Ohio

7. A study of 33,043 infants in Italy was conducted to find a link between heart rhythm abnormality and sudden infant death syndrome.
8. A survey of 2104 households in the United States found that 65% subscribe to cable television.

Determine whether the numerical value is a parameter or a statistics. Explain your reasoning.

9. The average annual salary for 35 of a company’s 1200 accountants is $68,000.

10. In a recent year, the interest category for 12% of all new magazines was sports.

11. In a recent survey of 1000 adults from the U.S., 47% said using a cell phone while driving should be illegal.

12. In a recent year, the average math scores for all graduates on the ACT was 20.7.

Short response:

13. Why is a sample used more often than a population?