

Name \_\_\_\_\_

Date \_\_\_\_\_

### Identifying Random and Bias Data Samples- Independent Practice Worksheet

Complete all the problems.

1. Three out of four doctors interviewed recommend aspirin. Is this a conclusion drawn from a sample or population?
2. Out of 1000 men, 940 men are married. Is this conclusion drawn from a sample or a population?
3. The average wages of a person in New City is \$2,000 per month. Is this conclusion drawn from a population or a sample?
4. Sales have increased in the past 5 years at McDonalds. A survey from 5 cities in United States showed a mean increase of 10 percent. Comment on this statement from view point of population and sample?
5. An electronics firm recently introduced amplifiers and conducted a survey among 500 buyers by randomly selecting them proportional to satisfied customers. Classify the sampling method.
6. A newspaper poll was conducted on the election to be held next month for 2 candidates for the post of President of the United States. Classify the sampling method.
7. 10 balls were randomly picked up from bag of 100 balls in a bag. Classify the sampling method.
8. From the female population a sample was randomly selected with black hair color. Describe the sampling method used.
9. An architect conducted a survey to count defective tiles on each floor. He conducted the survey on the first 2 floors of the 3 story building. He did not survey people on the 3rd floor because he was too tired. Classify the sampling method.
10. I chose people among a group of 10 people with a height above 5 ft 5 inches. Is this sample biased?

