



Name: _____

Date: _____

Directions: Tell whether the samples are clustering or random samples.

1. Dylan can't decide where to go on vacation. His choices are Florida, Hawaii, and Paris. He has a brochure of each vacation spot. He places the brochures in a bag, shakes the bag, closes his eyes, and picks out one of the brochures. Is the sample that he surveyed a cluster sample or random sample?

2. Natalie wants to find out whether the girls at her summer camp like action movies as much as boys. She asks interviews 50 boys and 50 girls at camp. Is the sample that she surveyed a cluster sample or random sample?

3. A day camp separates the campers into different age groups. There are three groups: 4 – 7, 8 – 11, and 12 – 15. They decide to survey the campers to find out what each age group likes most about the camp. Is the sample that is surveyed a cluster sample or random sample?

4. Michael has a long list of chores to do. He writes each chore on an index card, turns them over so he can't see what chore it is, and then randomly flips over each card to figure out what order he will do his chores. Is the sample that he surveyed a cluster sample or random sample?

5. Marcus is in charge of traffic control. He needs to do a survey to decide whether a traffic light is needed at an intersection near a shopping mall. Marcus surveys every tenth person as they walk out of the shopping mall. Is the sample that he surveyed a cluster sample or random sample?

Answer Key
1. random sampling
2. cluster sampling
3. cluster sampling
4. random sampling
5. random sampling



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