

TEST NAME: **Gonzales 7.SP.1 Random Sample**
TEST ID: **528591**
GRADE: **07**
SUBJECT: **Mathematics**
TEST CATEGORY: **School Assessment**

04/21/15, Gonzales 7.SP.1 Random Sample

Student: _____
Class: _____
Date: _____

1. Ryan wants to find out what the sixth-grade students at his middle school think is the best movie of the past year. Which sample would **best** represent the population?
 - A. every 3rd person entering the library
 - B. every 5th student from a list of sixth-grade students
 - C. choosing 5 students from every homeroom in the school

2. A survey will be conducted at a middle school to determine who the students will most likely vote for in the student council election. Which sample population will result in the **best** prediction?
 - A. students from one history class
 - B. students who participate in choir
 - C. students who participate in theater
 - D. students from five different classes

3. A national television show surveys customers about their favorite movie. Which statement is true?
 - A. The survey is random because it represents viewers of all ages of the program.
 - B. The survey is random because it represents all households with televisions.
 - C. The survey is not random because it only represents viewers of that particular program.
 - D. The survey is not random because it only represents viewers from a particular geographical location.

4. Which situation would be considered a random sample?
 - A. A school counselor surveys every third person in an honors English class to find out where its seniors are planning to go to college.
 - B. A mall manager asks every tenth person in line at the coffee shop to find out if customers like the variety of food in the mall.
 - C. A principal randomly selects 50 students from a list of all students in the school to find out students' opinions about the elective courses offered at the school.
 - D. A reporter randomly mails out surveys to female subscribers to find out how satisfied people are with their jobs.

5. At a middle school, the 7th graders will conduct a survey for where to go on a field trip. Which method will result in the **least** biased decision?
- A. to randomly ask 8th grade students who went on a field trip last year
 - B. to randomly choose some 7th grade students to select a location
 - C. to ask all 7th grade teachers and administrators for a location
 - D. to ask the student council to choose a location