

Name _____

Hour _____

Random Samples vs. Biased Samples

Decide whether each scenario is a random sample or a biased sample.

<p>Susan wants to know the favorite sport of students in her class. She gives each student a number, puts all numbers in a hat, draws 10 numbers, and surveys the selected students.</p>	<p>William is surveying people at Start High School to determine the most popular T.V show among all teenagers in the United States.</p>	<p>Ben is at a local car dealership to find out what the most popular car is. He will ask everyone who enters the dealership for his or her favorite make of car.</p>
<p>Leslie wants to determine eating habits of people in her neighborhood. She asks 80 people at a neighborhood fast food restaurant about the last meal they ate.</p>	<p>Michael wants to determine the amount of time that 7th graders spend studying for tests. He surveys 80 7th grade students.</p>	<p>Liz wants to find out the favorite sport of girls in her school. She asks all girls on the school basketball team what their favorite sport is.</p>
<p>Students who wish to represent the school at a school board meeting are asked to stop by the office after lunch. After lunch, 5 students choose to represent the school.</p>	<p>A cafeteria worker asks every fifth student leaving the cafeteria to rank 5 vegetables from most favorite to least favorite. She finds that corn is one of the favorite vegetables.</p>	<p>A real estate agent surveys people about their housing preferences at an open house for a luxury townhouse. He finds that most people prefer townhomes.</p>
<p>To determine the most popular children's programs, a TV station asks parents to call in and complete a phone survey. The television station finds that animated programs are the most popular.</p>	<p>To determine the most common injury, a reporter visits the hospital every afternoon during the summer and observes people entering the ER. She concludes that second-degree sunburn is the most common injury.</p>	<p>To determine if the class understood her homework assignment, a math teacher checks the first 3 papers turned in. She concludes that all students understood the homework assignment.</p>