



Name: _____

Date: _____

Directions: Name the population and sample for each. Then answer the question.

A **population** is a group about which information is desired. A **sample** is part of the population chosen to get information about the whole population. A **representative sample** is any sample that gives you a good idea of what a population is like.

1. Kristine wants to know how many students in her school plan to see the new romance movie opening this weekend. She surveyed every tenth student as she left school on Friday.

Population: _____

Sample: _____

Is this sample representative? Explain.

2. Scott wants to know how many people who saw *Space Ghost 2000* like it. He surveyed every fifth person who came out of one theater after the 7:30 show.

Population: _____

Sample: _____

Is this sample representative? Explain.

3. Jeannette wants to know how many people in her town need casts each day. She surveys people at a doctor's office for one week.

Population: _____

Sample: _____

Is this sample representative? Explain.



Answer Key

1. Kristine wants to know how many students in her school plan to see the new romance movie opening this weekend. She surveyed every tenth student as they left school on Friday.

Population: **people who saw *Space Ghost 2000***

Sample: **every tenth student leaving the school**

Is this sample representative? Explain. **Yes; all different ages and types of students are surveyed.**

2. Scott wants to know how many people who saw *Space Ghost 2000* like it. He surveyed every fifth person who came out of one theater after the 7:30 show.

Population: **people who saw *Space Ghost 2000***

Sample: **every fifth person leaving the theater after the 7:30 show**

Is this sample representative? Explain. **No; people who saw the movie at other theaters or at different times did not have a chance to be surveyed.**

3. Jeannette wants to know how many people in her town need casts each day. She surveys people at a doctor's office for one week.

Population: **people in Jeannette's town who need casts**

Sample: **people at a doctor's office**

Is this sample representative? Explain. **No; people who went to other doctor's offices did not have a chance to be surveyed**