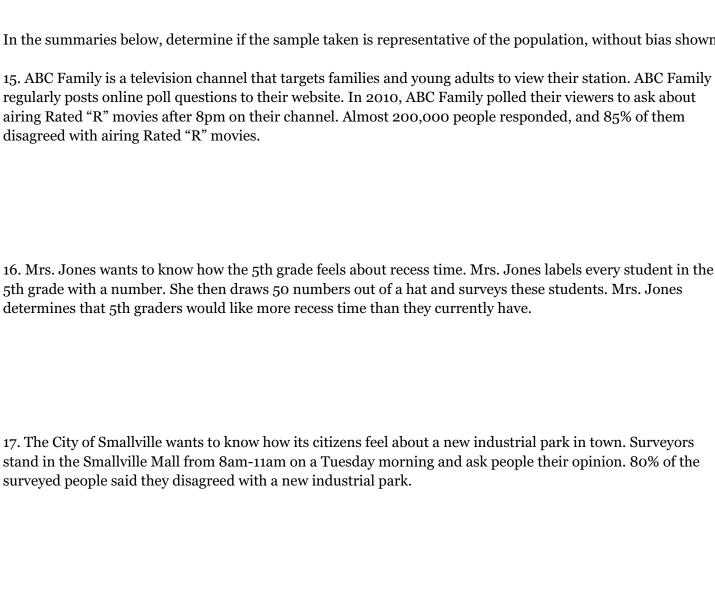
Name: Is It Valid?
As you enter the room, please complete the five survey questions posed by your teacher.
PART I A survey is a method of collecting information. These pieces of information, numbers and facts, are called data
DESCRIBE YOUR CLASS SURVEY In the space below, compile the data collected by your classmates.
1. What color is your hair? Brown Blond Red Black
2. Do you carry a cell phone? Yes No
3. About how many text messages do you send in a day? 0-20 21-40 >40
4. About how much time do you spend on homework? 0-15 min 16-30 min 31-45 min
46-60 min > 60 min
5. What month were you born? Jan – March April – June July-SeptOct-Dec
Using the survey results discuss the following vocabulary.
6. What is the population of your survey?
7. Did your class perform a census or a survey?
8. How would you record your results from question 1 as a piece of data?
9. How would you describe your results from question 2 as a parameter for the population?
For each of the problems below, answer the questions in regard to population, samples, and surveys.
After the 2000 census, the United States Census Bureau reported that 7.4% of Georgia residents were between the ages of 10 and 14.
10. Was a parameter or a statistic reported? Explain your reasoning.
11. What is the population for this survey?
The manager of the Millcreek Mall wants to know the mean age of the people who shop at the mall and the stores in which they typically shop. He hires Barker Market Research Company to collect the data. Dennis works for the Barker Market Research Company and has been put in charge of collecting data for the Millcreek Mall. Dennis decides to interview 100 people one Saturday because it is the mall's busiest shopping day.
12. Is the survey a sample or a census?
13. What is the population for this survey?
14. Is the sample size for the survey appropriate?

## PART II

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- Is the survey voluntary?
- Does the survey exclude any group?
- Is the sample size appropriate?

In the	summaries	below,	determine	if the sam	ple taken is	representative	of the po	pulation,	without b	oias shown:



18. The National Rifle Association (NRA) took a poll on their website, www.nra.com, and asked the question, "Do you agree with the 2nd Amendment: the Right to Bear Arms"? 98% of the people surveyed said "Yes", and 2% said "No".