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Date

Lesson

Extra Practice

Identify the population and the sample.

- 1. All students in a school POP
- 2. 75 strawberries in a field Sample

30 students in the school Sample.

All the strawberries in the field OOP

Determine whether the sample is biased or unbiased. Explain.

- 3. You want to estimate the number of students in your school who are on biased athletic teams outside of school. You survey members of your school's athletic teams.
- 4. You want to estimate the number of students in your school who think there should be healthier school lunches available. You ask every 5th person unbiasan waiting in the cafeteria lunch line.

Which sample is better for making an estimate? Explain.

Estimate the number of residents in St. Lucie County who own a home. Sample A

A random sample of 100 residents in the county SUMME is big enough and A random sample of 100 residents in the city of Fort Pierce Sample B

Estimate the number of people at a beach who are wearing sunscreen. A random sample of 50 people at the beach Sample A

Sample B A random sample of 5 people at the beach

too small

Determine whether you should survey the population or a sample. Explain.

7. You want to know the average weight of the members of your family. population

8. You want to know the number of grocery stores in Florida that carry your

favorite cereal.

Sample - cannot go to Every growny

stove in the state.

9. A survey asked 60 randomly chosen students if they eat school lunch. Forty

said ves. There were 560 school lunches sold to the state. said yes. There were 560 school lunches sold today. Estimate the number of 40 = 560 students who attend the school, X=840

10. You survey 25 randomly chosen college students from your local college to name their dietary preference. There are 4000 students at the college. Estimate the number of students at the college who prefer a vegetarian diet.

Dietary Preference Omnivore 19 4 Vegetarian

Vegan

75 = × 4000 X=640