

State Predictions

John and Jessica were assigned to collect data for a school project. They needed to find out which of 4 U.S. states the students would like to learn more about: Florida, California, Oregon, or Colorado.

It was impossible to ask all of the 500 students at their school, so they decided to collect some sample data.

- John surveyed 10 students: 7 chose California and 3 chose Florida.
 - Jessica surveyed 50 students: 25 chose California, 10 chose Florida, 10 chose Oregon, and 5 chose Colorado.
1. Using John's data, predict the number of students who would choose to know more about each state.

2. Using Jessica's data, predict the number of students who would choose to know more about each state.

3. Which survey do you think is a more accurate prediction of the students' choices? Why?

4. What things might influence the predictions when taking a sample?
