

5. convenience sample
6. random sample
7. systematic sample
8. stratified sample
9. convenience sample; Dog owners probably have a strong opinion about an off-leash area for dogs.
10. self-selected sample; Only those coaches with a strong opinion about wooden bats will respond.
11. cluster sample; Booth holders in section 5 are likely to have a different opinion than booth holders in other sections about the location of their booth.
12. systematic sample; Employees who attend the health fair are likely to have a different opinion than employees who do not attend the health fair about health-related programs.
14. The sample was not selected from the population; Because all of the high school students are not part of the population of members of the U.S. workforce, the sample is biased.
15. no; The sample represents the population.
16. yes; Voters who are not business owners do not have a chance to be surveyed.
17. yes; Only customers with a strong opinion about their experience are likely to complete the survey.
18. no; The sample represents the population.
19. *Sample answer:* Assign each student in the school a different integer from 1 to 1225. Generate 250 unique random integers from 1 to 1225 using the random number function in a spreadsheet program. Choose the 250 students who correspond to the 250 integers generated.