

Extra Practice**BLM 6.1****6.1 Data Collection and Bias**

1. Classify each of the following as either first-hand data or second-hand data and explain your choice.
 - a) Stella asks her friends what movie they would like to watch.

 - b) Alex looks up a phone number in a phone book.

 - c) Claire uses the Internet to find the names of Jupiter's moons.

 - d) People are surveyed about their favourite sport.

2. For each survey question, identify a good survey method (vote, online survey, face-to-face questionnaire, taste test).
 - a) Who makes the best pizza?

 - b) How often do teens use the Internet?

 - c) Should the cafeteria offer a \$3.99 lunch special?

 - d) Should the class go skiing or visit a museum?

3. Identify a good method for collecting data on each topic and give reasons for your choice.
 - a) students' favourite after school activities

 - b) the best selling album of all time

- c) the most popular tourist destination in Nova Scotia

4. Identify the population of each survey.
 - a) On what day should the office Christmas party be held?

 - b) Should there be four small math quizzes or two tests?

5. Darryl wrote this survey question.

What is your favourite sport?
A gymnastics
B hockey
C other _____

 - a) What choices do you think are expected?

 - b) How does the wording of this question influence your choice?

6. Are students in the school a good choice of sample to ask what colour should the gym be painted? Justify your decision.

7. Are fans at a pop concert a good choice of sample to ask who is the all-time best musician? Justify your decision.