

Chapter 4 Lesson 3

Using Second-Hand Data

You will need

- newspapers, magazines, and reference books
- Internet access

GOAL

Create questions that can be answered using second-hand data.

René is from Calgary and his cousin is from Winnipeg. Both of them love the winter.



What question can René ask and answer to compare winter in Calgary with winter in Winnipeg?

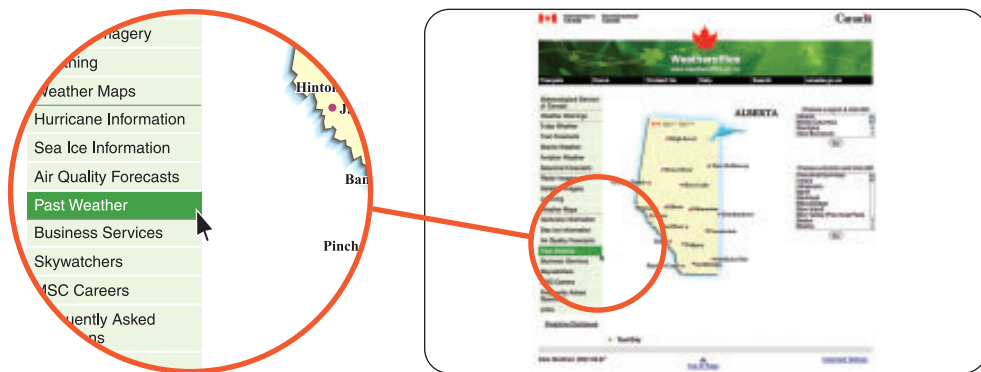


René's Solution

I'd like to know how much snow each city gets in the winter. I need to write a clear question.

Does Calgary or Winnipeg receive more snow in the winter?

I'll answer my question using second-hand data. I can get information about snowfall from Environment Canada.



- A.** What other sources, besides Environment Canada, can you use to collect second-hand data about snowfall in Winnipeg and Calgary?
- B.** Answer René's question using second-hand data. State the source for the data you used.

Reflecting

- C.** What other question could René have asked about winter climate?
- D.** Why do you think René decided to use second-hand data instead of first-hand data?



Checking

- 1.** Marina is interested in Olympic skiing.
 - a)** Write two questions about Olympic skiing that Marina can answer using second-hand data.
 - b)** Where might you find data to answer your questions?

Practising

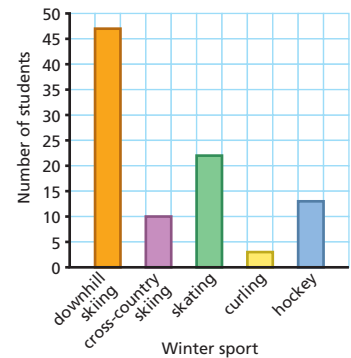
- 2.** Would you use first-hand data or second-hand data to answer each question? Explain your choice.
 - a)** What is the favourite barbecue food of Canadian adults?
 - b)** How many books have your friends read this month?
 - c)** Would the Grade 5 and Grade 6 students in your school think they should sell pizza or popcorn on Movie Day?
 - d)** Which players led the NHL in scoring in the past five years?
 - e)** Which countries have the greatest number of school days per year?
 - f)** Would your neighbours like to hold a street party?

3. Think about the following question: "How many students are in each grade in your school?"
 - a) When might it be easier to answer this question using second-hand data rather than first-hand data?
 - b) Where might you find second-hand data to answer this question?
4. Write two questions you can answer using each set of second-hand data.

a) Typical Temperatures (° C) of Some Canadian Cities

City	July	Aug.	Sept.
Yellowknife	16.5	14.1	6.7
Winnipeg	19.5	18.5	12.3
Fort McMurray	16.8	15.3	9.4
Regina	18.8	18.0	11.7
Penticton	20.4	20.1	14.9

b) Winter Sports Students in Our School Like



5. There are many amazing waterfalls in the world, including Della Falls on Vancouver Island.
 - a) Write a question about waterfalls you can answer using second-hand data.
 - b) Explain how you know your question can be answered using second-hand data.
 - c) Where can you find second-hand data to answer your question? Give a reason for your choice.
 - d) Collect the data and answer your question.
6. a) Find two examples of second-hand data in a newspaper, magazine, or reference book, or on the Internet.
 - b) What questions can you answer using the data?