

Tuesday May 18 Math

These questions are from a textbook. Please write all of your answers to each question in the boxes below them.

1. Are primary data or secondary data collected in each situation?  
How do you know?
- a) Elly used an encyclopedia to find the area of each continent.
  - b) Jason read the thermometer to find the outside temperature.
  - c) Jane looked in the newspaper to see which NHL team won the game.

nent

2. Would you use primary or secondary data in each case? Explain.
- a) To find the favourite car model in Canada
  - b) To find the favourite juice of Grade 7 students in your school
  - c) To find the favourite song of Grade 7 students in Ontario
  - d) To find the most popular type of transport used by students in your school

- 3.** Biased data are unreliable. Yet, sometimes people use biased data. Why do people use biased data?

- 4.** Think of a survey you could conduct in your school.
- a)** Write a biased survey question.
  - b)** Write an unbiased survey question.

**5. Comment on each survey question.**

If it is biased, write an unbiased question.

- a) "Sugar is bad for your teeth. Should children eat candy?  
Yes \_\_\_\_\_ No \_\_\_\_\_ No Opinion \_\_\_\_\_"

- b) "Children prefer snowboarding to skiing.

Which do you think is more fun?

Snowboarding \_\_\_\_\_ Skiing \_\_\_\_\_"

- 6. Assessment Focus** Suppose a person intends to open a shoe store in the local mall.  
The person is unsure of the style or make of shoes to stock.  
What questions should the person ask to make the best decision?  
Explain what role a survey might play in the decision.