

1.3

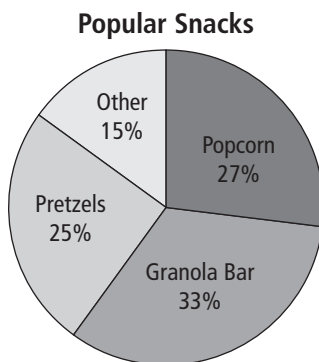
Critiquing Data Presentation*MathLinks 8, pages 28–35***Key Ideas Review**

There are several important factors to consider when critiquing a graph. Write the factor from column B that best matches the analysis question in column A.

A	B
1. Consider the graph _____ when determining whether the graph is informative.	a) type
2. Consider the graph _____ when determining whether the graph is designed in a way that represents the data accurately.	b) format
3. Consider the graph _____ when determining whether the graph is the best choice for the data.	c) usefulness

Practise and Apply

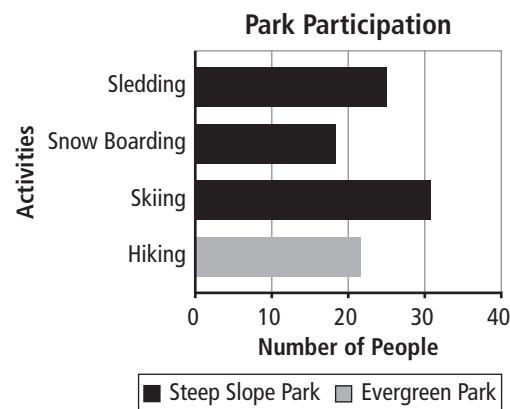
4. Milo is writing to ask the school board to change the snacks in the school vending machines. Before writing the letter, he completes a survey of the snack foods students prefer and displays the results in the graph below.



- a) Why do you think Milo used a circle graph to display the data?

- b) Does this graph argue his point to change the snacks in the vending machine?

5. The following graph shows activities participated in at two different recreational parks.



- a) What conclusions can you make about the graph?

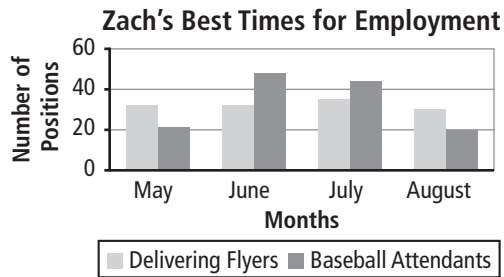
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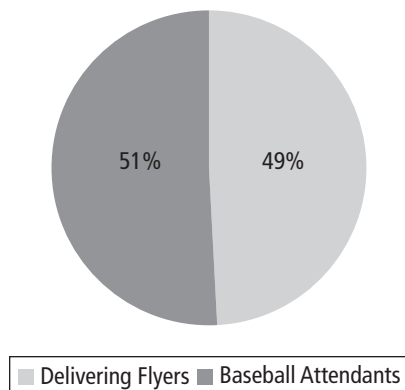
b) Is this graph the best choice for the data? Explain.

c) Using the graph that you did not choose for part b), what could this graph be used to describe?

6. Zach and Jessie must pick a summer job. They have narrowed their options down to two choices. Each one makes a graph.



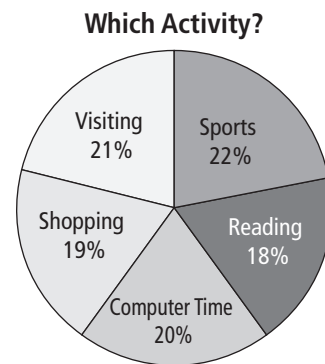
Jessie's Summer Employment Available



a) What information does each graph show?

b) Which graph best displays the information Zach and Jessie need to make a decision? Explain.

7. Stephanie recorded how many times she chose to do each activity in one week to make a favourite activity list.



a) What does this graph show about Stephanie's interests?

b) What conclusion could be drawn from this graph?