

1 Practice Test

For #1 to #3, circle the best answer.

1. Which type of graph is best for comparing 1 category of data against the whole data sample? For example, you are comparing the number of grade 8 girls to everyone in the school.

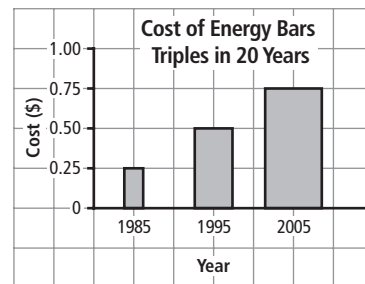
- A line graph B circle graph
- C bar graph D pictograph

2. Which type of graph is best for comparing the number of boys and the number of girls born in each month of the year?

- A double bar graph B 2 circle graphs
- C double line graph D 2 pictographs

3. Energy bars cost 25¢ in 1985, 50¢ in 1995, and 75¢ in 2005. Look at the graph. How is it misleading?

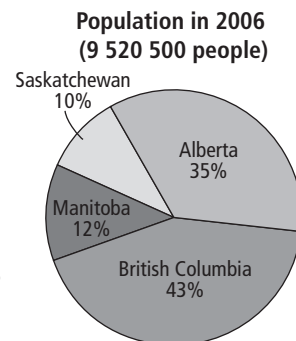
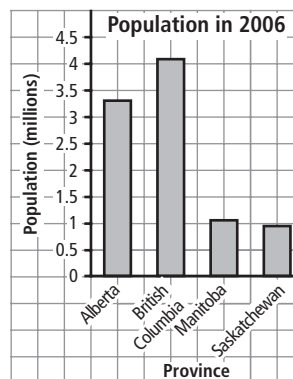
- A The intervals on the vertical (↑) scale are not equal.
- B The 2005 bar is 3 times taller than the 1985 bar.
- C The width of the bars is different.
- D The scale starts at 0.



4. The graphs show population data for selected provinces.

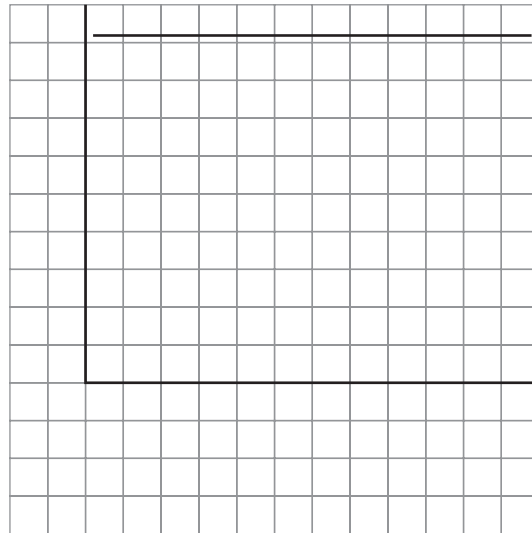
a) Do both graphs provide the same information? Give 1 reason for your answer.

b) Which graph best shows that Alberta's population is almost 3 times more than Manitoba's population? Give 1 reason for your answer.



5. Brenden surveyed the grade 8 students to find out their choice for the year-end field trip. The table shows his results.

Activity	Votes
Bowling	17
Picnic	20
Inline skating	15
Movie	10



Draw a bar graph to show the data.

- Give the graph a title.
- Label the x -axis "Activity."
Write the categories for Activity under the x -axis.
- Label the y -axis "Number of Votes."
- Mark the intervals on the y -axis from 0 to 20.
- Draw bars for each activity.

6. Jasmine surveyed 100 grade 8 students about their favourite ways to spend time.

- a) Write 2 conclusions you can make from the graph.

- b) Make up a more descriptive title for the graph.

- c) Is the graph misleading? Circle YES or NO. Explain.

- d) Name 1 other type of graph that could be used to show these data.

- e) Give 1 advantage or disadvantage of using a different type of graph to show the data.

