

Chapter 4 Test

For #1 to #5, select the best answer.

1. Which type of graph best shows percent comparisons over several categories?
A bar graph **B** circle graph
C histogram **D** line graph
2. Which type of graph would be best to show the growth of a pea plant over time?
A bar graph **B** circle graph
C histogram **D** line graph

Use the following data to answer #3 and #4.

The average height of the Hawks high school basketball team is 6 feet 4 inches. The average height of the Gulls team is 6 feet 3 inches.

3. Which bar graph would best misrepresent the data to favour the Hawks?
A The width of the bar is wider for the Hawks team than the Gulls.
B The vertical axis starts at 0 and ends at the Hawks average height.
C The width of the bars are the same for the Hawks and the Gulls.
D The vertical axis starts at 6 foot 3 inches and increases by $\frac{1}{4}$ increments.

4. Which bar graph represents the data accurately?
A The width of each horizontal bar is proportional to the team's average height.
B The average height is on the horizontal axis.
C The vertical scale begins at 0 and increases by 6-inch increments.
D The bars for both teams are the same colour.
5. A high school student population was surveyed to determine the new school colour. Students were given a choice of five colours. Which type of graph would best represent the data?
A bar graph **B** circle graph
C histogram **D** line graph
6. The table shows the numbers of people who accessed web sites for two stores today.

Store A	Store B
1007	998

- a) Which type of graph would be most appropriate to compare the consumers viewing of web sites? Create the graph.
- b) State an observation you can make from the graph.
- c) Create a graph to make the number of people accessing Store A's site seem much larger than the number of people accessing Store B's site. Explain how your graph is misleading.

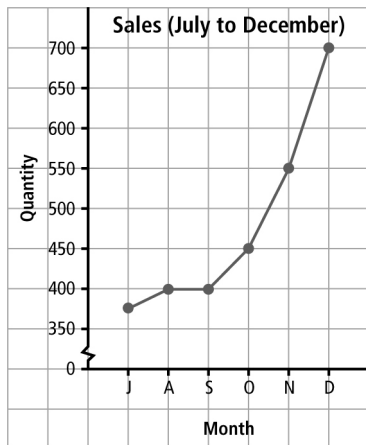
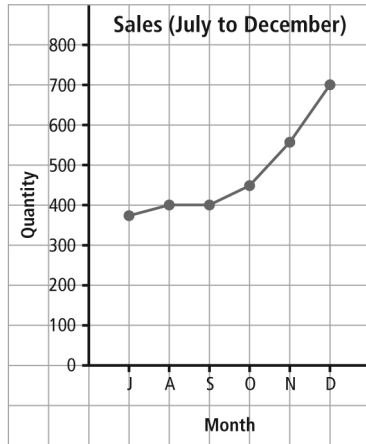


Name: _____

Date: _____

BLM 4-8
(continued)

- 7.** These two graphs represent the same data in different ways.



- a)** How are the graphs similar?
How are they different?
- b)** Are the graphs misleading?
Explain.
- c)** Describe a scenario in which
a sales manager could use
graph B to promote his store.

