Bar Graphs

A. Choose the correct answer:

1. What does a bar graph use to show data?

a) Lines b) Numbers

c) Bars d) Pictures

2. In a bar graph, the height of the bar shows

a) Color of data b) Shape of data

c) Size of paper d) Quantity of data

3. A bar graph is useful because it

a) Makes data look longer b) Hides the data

c) Makes it easier to compare data d) Is easy to draw only in books

4. If one bar is taller than the others, it means

a) It is wrong b) It has the highest value

c) It is colored dark d) It is made of two bars

5. Which axis of a bar graph usually shows the categories?

a) Vertical b) Horizontal

c) Diagonal d) Both axes

B. Write the Missing Terms to Complete the Sentences:

1. A bar graph uses _____ bars to show data.
2. The _____ of a bar shows the quantity.
3. Bars can be drawn either _____ or vertical.
4. In a bar graph, _____ bars make it easy to compare.
5. Bar graphs are helpful in showing data in a _____ way.

C. Mark each sentence with a True (✔) or False (✗):

1. A bar graph only uses pictures to show data _____
2. Bar graphs can have horizontal or vertical bars _____
3. A longer bar means smaller quantity _____

4. Bar graphs help us compare data easily _____
5. The title is not important in a bar graph _____

D. Figure out the answers to these questions:

1. Why is it easier to compare data using a bar graph?
2. If a bar graph shows 5 bars of different heights, what does that mean?
3. How can we tell which category has the least data in a bar graph?
4. Make a list of 5 categories that can be shown using a bar graph.
5. What kind of data should not be shown using a bar graph?

E. Challenge yourself with these questions:

1. Collect data from 5 students about their favorite sports and plan a bar graph.
2. Think of 4 types of fruits and ask how many students like each. Organize the data for a bar graph.
3. Make a list of 5 subjects and how many students like each. Prepare to draw a bar graph.
4. Observe a bar graph from your textbook and write which bar is the tallest.
5. Write any real-life place where you might see or use a bar graph.