

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?

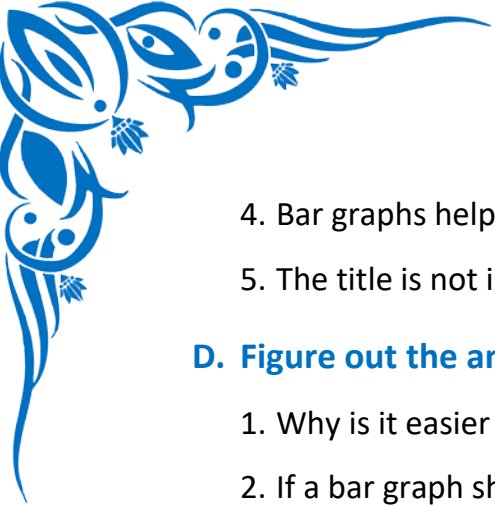
- a) Vertical
- b) Horizontal
- c) Diagonal
- d) Both axes

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 (X):

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.