Reading and Interpretation of Bar Graph

A. Choose the correct answer:

1. If the tallest bar in a bar graph shows 30 students like mangoes, what does it mean?

a) Mangoes are the least liked
b) 30 students dislike mangoes
c) 30 students like mangoes the most
d) The graph is incorrect

2. In a bar graph, the shortest bar represents

a) The highest number
b) The lowest quantity
c) Equal values
d) A mistake

3. What helps us read the value of a bar in a bar graph?

a) The width of the bar
b) The title of the graph
c) The height of the bar
d) The color of the bar

4. The horizontal axis of a bar graph usually shows

a) The total
b) The scale
c) The categories
d) The value

5. If two bars are the same height, it means

a) The values are different
b) One is greater
c) The bars are wrongly drawn
d) The values are equal

B. Write the Missing Terms to Complete the Sentences:

1. A bar graph shows data using _____ bars.
2. The _____ bar represents the highest value.
3. The number shown by a bar is read using the _____.
4. If all bars are equal, the quantities are _____.
5. A bar graph helps us to _____ and understand data easily.

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

1. The tallest bar in a bar graph represents the smallest value _____
2. You must look at the scale to read a bar graph correctly _____

3. Bars of equal height mean equal quantities _____
4. A bar graph is read from top to bottom _____
5. A bar graph can help in comparing different categories _____

D. Figure out the answers to these questions:

1. A bar graph shows the number of books read by 5 students. How will you find who read the most?
2. If two bars in a graph are equal in height, what does it tell about the data?
3. How can you identify the category with the lowest value from a bar graph?
4. Why is it important to read the scale before interpreting the graph?
5. If one bar shows 15 and another shows 20, what is the difference in values?

E. Challenge yourself with these questions:

1. Study a given bar graph and list the item with the highest value.
2. Compare two bars in a bar graph and find the difference in their values.
3. Read a bar graph showing rainfall in different months and write which month had the least rainfall.
4. Interpret a bar graph that shows students' favorite games and write 2 observations.
5. Read a bar graph and write how many more students liked chocolate over vanilla.