



Data Interpretation

Name: _____

Date: _____

Grade: Grade 5

Part A: Multiple Choice

Circle the best answer for each question.

1. A bar graph starts the y-axis at 80 instead of 0. The bars look very different in height. This graph is misleading because it ____.

- A) exaggerates small differences between values
- B) uses too many colors for the bars
- C) shows data only for one year
- D) lists categories in alphabetical order

2. A table lists weekly rainfall while a line graph plots the same numbers. Which display best shows the trend over the weeks?

- A) The table because it lists exact numbers
- B) The line graph because it reveals upward or downward patterns
- C) Neither because both show identical data
- D) The table because it has more rows

3. A sports magazine shows two soccer players with bar lengths nearly equal, but the y-axis is missing. The reader cannot ____.

- A) count the number of bars present
- B) see the colors used in the chart
- C) tell what numerical values the bars represent
- D) read the names of the players

4. A combined display shows a table of monthly profits and a pie chart of expense categories. Together they help a business owner ____.

- A) pick a favorite color scheme
- B) memorize the alphabet quickly
- C) decide which sport to play
- D) see both totals over time and where money is spent

Part B: Fill in the Blank

Write the correct answer on each line.

1. A graph with a truncated y-axis is called _____ because it can mislead readers.
2. When a table and a graph appear together, they form a _____ display.
3. A line graph of yearly economic growth showing rises and falls reveals the country's _____.
4. A pictograph of soccer goals using players as symbols still needs a clear _____ for accuracy.
5. The display that tells the clearest story is the one that highlights the main _____.

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