

Choosing Appropriate Graphs Review

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Understanding Different Graph Types

Name: _____

Date: _____

Answer the following questions based on what you learned about graphs and data visualization.

1. What is a bar graph best used for?

- A. Showing change over time
- B. Comparing categories
- C. Displaying distribution of numbers

2. Line graphs are used to show parts of a whole.

- True False

3. A ___ chart is used to show how parts make up a whole.

4. Why is it important to choose the right type of graph for data representation?

5. Which graph would be best to display the distribution of test scores in a class?

- A. Pie chart
- B. Bar graph
- C. Line plot

6. A line graph is best for showing ___ over time.

7. Bar graphs can be used to compare multiple categories of data.

- True False

8. Can you give an example of when you might use a pie chart?

9. What do line plots help us to visualize?

- A. The total amount of data
- B. The change in data over time
- C. The distribution of numbers

10. Just like careful planning leads to success, choosing the right graph helps us understand data more ___.

Answer Key

1. Comparing categories 2. False 3. pie 4. Choosing the right graph helps viewers understand the data clearly and make informed decisions. Each graph serves a different purpose and can highlight different aspects of the data. 5. Line plot 6. change 7. True 8. A pie chart could be used to show the percentage of different fruits sold at a store, helping to visualize which fruit is most popular. 9. The distribution of numbers 10. clearly