

Graphs & Data Interpretation

Grades 4-8 • Reading and interpreting bar graphs, line plots, and histograms

Name: _____

Date: _____

1. Histogram Data: {'0-10': 11, '11-20': 10, '21-30': 5, '31-40': 7}. What is the total count across all ranges?

Answer: _____

2. Histogram Data: {'0-10': 3, '11-20': 8, '21-30': 8, '31-40': 13}. Which range has the highest frequency?

Answer: _____

3. Histogram Data: {'0-10': 8, '11-20': 7, '21-30': 15, '31-40': 6}. What is the total count across all ranges?

Answer: _____

4. Bar Graph Data: {'Apples': 6, 'Bananas': 12, 'Oranges': 13, 'Grapes': 14}. Which category has the highest value?

Answer: _____

5. Temperature Data: {'Jan': 41, 'Feb': 47, 'Mar': 48, 'Apr': 56, 'May': 55}. What was the change from Jan to May?

Answer: _____

6. Temperature Data: {'Jan': 29, 'Feb': 67, 'Mar': 78, 'Apr': 76, 'May': 47}. Is the overall trend increasing, decreasing, or stable?

Answer: _____

7. Bar Graph Data: {'Apples': 11, 'Bananas': 14, 'Oranges': 20, 'Grapes': 21}. What is the total of all categories?

Answer: _____

8. Bar Graph Data: {'Apples': 25, 'Bananas': 24, 'Oranges': 18, 'Grapes': 25}. Which category has the highest value?

Answer: _____

9. Histogram Data: {'0-10': 14, '11-20': 8, '21-30': 11, '31-40': 12}. What is the total count across all ranges?

Answer: _____

10. Histogram Data: {'0-10': 4, '11-20': 6, '21-30': 4, '31-40': 7}. Which range has the highest frequency?

Answer: _____

Answer Key

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|-----|--|-------------------|
| 1. | Histogram Data: {'0-10': 11, '11-20': 10, '21-30': 5, '31-40': 7}. What is the total count across all ranges? | 33 |
| 2. | Histogram Data: {'0-10': 3, '11-20': 8, '21-30': 8, '31-40': 13}. Which range has the highest frequency? | 31-40 |
| 3. | Histogram Data: {'0-10': 8, '11-20': 7, '21-30': 15, '31-40': 6}. What is the total count across all ranges? | 36 |
| 4. | Bar Graph Data: {'Apples': 6, 'Bananas': 12, 'Oranges': 13, 'Grapes': 14}. Which category has the highest value? | Grapes |
| 5. | Temperature Data: {'Jan': 41, 'Feb': 47, 'Mar': 48, 'Apr': 56, 'May': 55}. What was the change from Jan to May? | 14° |
| 6. | Temperature Data: {'Jan': 29, 'Feb': 67, 'Mar': 78, 'Apr': 76, 'May': 47}. Is the overall trend increasing, decreasing, or stable? | increasing |
| 7. | Bar Graph Data: {'Apples': 11, 'Bananas': 14, 'Oranges': 20, 'Grapes': 21}. What is the total of all categories? | 66 |
| 8. | Bar Graph Data: {'Apples': 25, 'Bananas': 24, 'Oranges': 18, 'Grapes': 25}. Which category has the highest value? | Apples |
| 9. | Histogram Data: {'0-10': 14, '11-20': 8, '21-30': 11, '31-40': 12}. What is the total count across all ranges? | 45 |
| 10. | Histogram Data: {'0-10': 4, '11-20': 6, '21-30': 4, '31-40': 7}. Which range has the highest frequency? | 31-40 |