Graphs & Data Interpretation

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

Name: _____ Date: _____

1. Temperature Data: {'Jan': 26, 'Feb': 60, 'Mar': 69, 'Apr': 36, 'May': 79}. What was the change from Jan to May?

Answer: _____

2. Histogram Data: {'0-10': 11, '11-20': 6, '21-30': 2, '31-40': 12}. What is the total count across all ranges?

Answer: _____

3. Bar Graph Data: {'Apples': 18, 'Bananas': 13, 'Oranges': 15, 'Grapes': 19}. What is the difference between highest and lowest values?

Answer: _____

4. Bar Graph Data: {'Apples': 12, 'Bananas': 10, 'Oranges': 16, 'Grapes': 6}. Which category has the highest value?

Answer: _____

5. Bar Graph Data: {'Apples': 11, 'Bananas': 8, 'Oranges': 14, 'Grapes': 8}. Which category has the highest value?

Answer: _____

6. Histogram Data: {'0-10': 3, '11-20': 12, '21-30': 10, '31-40': 15}. Which range has the highest frequency?

Answer: _____

7. Histogram Data: {'0-10': 3, '11-20': 11, '21-30': 12, '31-40': 7}. Which range has the highest frequency?

Answer: _____

8. Histogram Data: {'0-10': 7, '11-20': 10, '21-30': 10, '31-40': 13}. What is the total count across all ranges?

Answer: _____

9. Bar Graph Data: {'Apples': 15, 'Bananas': 23, 'Oranges': 12, 'Grapes': 16}. Which category has the highest value?

Answer: _____

10. Temperature Data: {'Jan': 40, 'Feb': 66, 'Mar': 23, 'Apr': 48, 'May': 80}. What was the change from Jan to May?

Answer: _____

Answer Key

1.	Temperature Data: {'Jan': 26, 'Feb': 60, 'Mar': 69, 'Apr': 36, 'May': 79}. What was the change from Jan to May?	**53°**
2.	Histogram Data: {'0-10': 11, '11-20': 6, '21-30': 2, '31-40': 12}. What is the total count across all ranges?	**31**
3.	Bar Graph Data: {'Apples': 18, 'Bananas': 13, 'Oranges': 15, 'Grapes': 19}. What is the difference between highest and lowest values?	**6**
4.	Bar Graph Data: {'Apples': 12, 'Bananas': 10, 'Oranges': 16, 'Grapes': 6}. Which category has the highest value?	**Oranges**
5.	Bar Graph Data: {'Apples': 11, 'Bananas': 8, 'Oranges': 14, 'Grapes': 8}. Which category has the highest value?	**Oranges**
6.	Histogram Data: {'0-10': 3, '11-20': 12, '21-30': 10, '31-40': 15}. Which range has the highest frequency?	**31-40**
7.	Histogram Data: {'0-10': 3, '11-20': 11, '21-30': 12, '31-40': 7}. Which range has the highest frequency?	**21-30**
8.	Histogram Data: {'0-10': 7, '11-20': 10, '21-30': 10, '31-40': 13}. What is the total count across all ranges?	**40**
9.	Bar Graph Data: {'Apples': 15, 'Bananas': 23, 'Oranges': 12, 'Grapes': 16}. Which category has the highest value?	**Bananas**
10.	Temperature Data: {'Jan': 40, 'Feb': 66, 'Mar': 23, 'Apr': 48, 'May': 80}. What was the change from Jan to May?	**40°**