



Data Interpretation

Name: _____

Date: _____

Grade: Grade 5

Part A: Fill in the Blank

Write the missing word or number on each line.

1. A histogram groups data into equal ranges called _____.
2. On a box-and-whisker plot, the line inside the box marks the _____.
3. A histogram with bars touching shows that the data is _____ rather than separate categories.
4. The lower edge of the box on a box plot represents the _____ quartile.
5. On a histogram with bins 0-10, 10-20, and 20-30, the value 14 falls in bin _____.
6. A bar graph for favorite sports uses categories, while a histogram for ages uses _____.
7. The whiskers on a box plot extend to the _____ and maximum values.
8. If a histogram bin 50-60 has height 12, then _____ data points fall in that range.
9. A graph that best shows change over time is a _____ graph.

Part B: Matching

Match each item on the left to the correct answer on the right.

1. Match each item to its correct answer.

Histogram	→ _____	Numeric data grouped into intervals
Box-and-whisker plot	→ _____	Median, quartiles, and data spread
Bar graph	→ _____	Compare separate categories
Line graph	→ _____	Show changes across time

Answer Key · Data Interpretation · Grade: Grade 5

Part A: Fill in the Blank

Write the missing word or number on each line.

1. A histogram groups data into equal ranges called bins .
2. On a box-and-whisker plot, the line inside the box marks the median .
3. A histogram with bars touching shows that the data is continuous rather than separate categories.
4. The lower edge of the box on a box plot represents the first quartile.
5. On a histogram with bins 0-10, 10-20, and 20-30, the value 14 falls in bin 10-20 .
6. A bar graph for favorite sports uses categories, while a histogram for ages uses intervals .
7. The whiskers on a box plot extend to the minimum and maximum values.
8. If a histogram bin 50-60 has height 12, then 12 data points fall in that range.
9. A graph that best shows change over time is a line graph.

Part B: Matching

Match each item on the left to the correct answer on the right.

1. Match each item to its correct answer.

Histogram	→ <u>Numeric data grouped into intervals</u>	Numeric data grouped into intervals
Box-and-whisker plot	→ <u>Median, quartiles, and data spread</u>	Median, quartiles, and data spread
Bar graph	→ <u>Compare separate categories</u>	Compare separate categories
Line graph	→ <u>Show changes across time</u>	Show changes across time