



Data Interpretation

Name: _____

Date: _____

Grade: Grade 5

Part A: Fill in the Blank

Write the missing word or number on each line.

1. If you survey 50 students about favorite colors, the best display is a _____ graph.
2. To show how a plant's height changed each week for 10 weeks, use a _____ graph.
3. To group test scores into ranges of 10, the right display is a _____.
4. On a box plot, the box length from Q1 to Q3 shows the _____ range.
5. If a histogram bin 70-80 holds 9 scores and bin 80-90 holds 4 scores, _____ scores were 70 to 90.
6. A box plot's median sits to the right of center when the data is skewed _____.
7. The best way to compare boys and girls in two histograms is to use the same _____.
8. If Q1 is 12 and Q3 is 28 on a box plot, the interquartile range equals _____.
9. A pie chart works best when each slice represents a _____ of the total.

Part B: Matching

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

1. Match each item to its correct answer.

Daily temperatures for one month	→ _____	Line graph
Favorite ice cream flavors	→ _____	Bar graph
Distribution of class heights	→ _____	Histogram
Yearly budget categories	→ _____	Pie chart

Answer Key · Data Interpretation · Grade: Grade 5

Part A: Fill in the Blank

Write the missing word or number on each line.

1. If you survey 50 students about favorite colors, the best display is a bar graph.
2. To show how a plant's height changed each week for 10 weeks, use a line graph.
3. To group test scores into ranges of 10, the right display is a histogram.
4. On a box plot, the box length from Q1 to Q3 shows the interquartile range.
5. If a histogram bin 70-80 holds 9 scores and bin 80-90 holds 4 scores, 13 scores were 70 to 90.
6. A box plot's median sits to the right of center when the data is skewed left.
7. The best way to compare boys and girls in two histograms is to use the same bins.
8. If Q1 is 12 and Q3 is 28 on a box plot, the interquartile range equals 16.
9. A pie chart works best when each slice represents a percent of the total.

Part B: Matching

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

1. Match each item to its correct answer.

Daily temperatures for one month	→ <u>Line graph</u>	Line graph
Favorite ice cream flavors	→ <u>Bar graph</u>	Bar graph
Distribution of class heights	→ <u>Histogram</u>	Histogram
Yearly budget categories	→ <u>Pie chart</u>	Pie chart