



Probability and Data

Name: _____

Date: _____

Grade: Grade 4

Part A: Multiple Choice

Circle the best answer for each question.

1. A line plot has 5 Xs at 2 inches and 2 Xs at 3 inches. Total measurements?

- A) 7
- B) 5
- C) 10
- D) 3

2. Which question is neutral, not leading?

- A) Don't you love the new lunch menu?
- B) Which lunch option do you prefer?
- C) Why is pizza day always best?
- D) Wouldn't you say pasta is great?

3. A bar graph shows 22 apples, 14 oranges, 9 pears. How many fruits total?

- A) 22
- B) 36
- C) 45
- D) 31

4. Which is the most representative sample of a town?

- A) People at one cafe on Monday
- B) Members of one sports team only
- C) Only neighbors of the surveyor
- D) A random selection across many neighborhoods

Part B: Fill in the Blank

Write the correct answer on each line.

1. On a line plot, 6 Xs at 7 cm means _____ measurements at 7 cm.
2. A question that suggests a particular answer is called _____.
3. A bar graph has 30 red, 20 yellow, 10 blue. Total is _____ items.
4. If 50 students surveyed and 20 picked soccer, the fraction is 20 out of _____.
5. A fair, varied sample of the whole group is a _____ sample.

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Part B: Fill in the Blank

Write the correct answer on each line.

1. On a line plot, 6 Xs at 7 cm means 6 measurements at 7 cm.
2. A question that suggests a particular answer is called leading.
3. A bar graph has 30 red, 20 yellow, 10 blue. Total is 60 items.
4. If 50 students surveyed and 20 picked soccer, the fraction is 20 out of 50.
5. A fair, varied sample of the whole group is a representative sample.