Name: Due Date: Teacher: Parent Sign:

Questions

1. Is "What is the most common number of books students read this month?" a statistical question? $\left(\frac{Yes}{No}\right)$

2. Is "How tall is the tallest student in class?" a statistical question? $\left(\frac{Yes}{No}\right)$

3. Is "What is the favorite ice cream flavor of students in the grade?" a statistical question? $\left(\frac{Yes}{No}\right)$

4. Is "How old is Ms. Lee?" a statistical question? $\left(\frac{Yes}{No}\right)$

5. Is "How many pets do students in class have?" a statistical question? $\left(\frac{Yes}{No}\right)$

6. Is "What time did the school bell ring today?" a statistical question? $\left(\frac{Yes}{No}\right)$

7. Is "How many siblings do students in the grade have?" a statistical question? $\left(\frac{Yes}{No}\right)$

8. Is "What is the sum of the ages of all students?" a statistical question? $\left(\frac{Yes}{No}\right)$

9. Data: test scores: 7, 8, 9, 7, 7, 8, 10, 9, 8, 7. What is the frequency of each score (7–10)?

10. Data: number of pets per student: 2, 0, 1, 3, 2, 1, 0, 2, 1, 1. What is the frequency of 0, 1, 2, 3?

11. Data (ages): 11, 12, 11, 10, 12, 11, 10, 11. Make a frequency table for the ages.

12. Data (minutes): 5, 6, 5, 7, 5, 6, 7, 8, 6, 5. What is the frequency of 5–8?

13. Scores out of 10: 6, 6, 7, 8, 6, 5, 7, 6, 7, 8. How many students scored 6?

14. Data: 3, 4, 5, 4, 3, 2, 3, 4, 5, 4. What is the mode?

15. Frequency table: value 1:2, 2:5, 3:3, 4:0. What is the range of the observed data?

16. Data: 2, 3, 3, 4, 2, 3, 5, 2, 4, 3. What is the median?

17. Data: 1, 2, 2, 3, 4, 2, 1, 3, 2. What is the mean (give fraction or decimal)?

18. Data: 0, 1, 1, 2, 2, 2, 3, 3, 1. If you make a dot plot, how many dots would be above 2?

19. A dot plot has counts: $0 \rightarrow 1$ dot, $1 \rightarrow 3$ dots, $2 \rightarrow 2$ dots, $3 \rightarrow 4$ dots. How many data points total?

20. Frequency table: score 5:3, 6:4, 7:2, 8:1. What is the mode?

21. Data: 4, 4, 5, 6, 4, 5, 7, 4, 6, 5. Make a frequency table for these numbers.

22. Using the data in Q21, what is the median?

23. Frequency table: 10:2, 11:5, 12:3. What fraction of the data are 11s? (Simplify)

24. Heights (cm): 130, 132, 130, 135, 130, 132, 133. What is the mode height?

25. Data: 2, 2, 2, 3, 3, 4, 4, 5, 5, 5, 5. What is the range?

26. Dice-roll frequency: 1:2, 2:3, 3:4, 4:1. How many rolls in total?

27. Data: 9, 8, 9, 7, 9, 8, 7, 7, 6. What is the median?

28. Data: 3, 3, 4, 4, 4, 2, 2, 3. What is the mean?

29. Frequency counts: A:1, B:3, C:2. What is the cumulative frequency up to B?

30. Number of pencils used: 0, 1, 0, 2, 1, 1, 0, 2, 1. What is the mode?

31. Dot plot: $0 \rightarrow 2$ dots, $1 \rightarrow 5$ dots, $2 \rightarrow 3$ dots. What percent of students scored 1 goal? (nearest whole %)

32. Combine Class A scores: 7, 8, 7, 6 and Class B scores: 6, 7, 8, 8. What is the combined frequency table for scores 6–8?

33. From Q32, what is the mode of the combined scores?

34. Data: 4, 5, 6, 4, 6, 5, 4, 5. If you make a dot plot, how many dots above 4?

35. Frequency table: 1:4, 2:2, 3:1, 4:3. Which value has the least frequency?

36. Data (minutes): 2, 3, 2, 4, 3, 2, 1. What is the median?

37. Frequency table: marks 0:1, 1:2, 2:3, 3:4. What is the mean?

38. Data: 10, 11, 11, 12, 10, 11. What is the mode and the range?

39. Shoe sizes frequency: 5:2, 6:4, 7:3. What is the cumulative frequency for size 6?

40. Dot plot counts: 1:1, 2:2, 3:3, 4:4. What is the median of the data set?

41. Data: 0, 0, 1, 2, 2, 3, 3, 3. What is the mean?

42. Data: 5, 5, 6, 7, 5, 6, 7, 8, 7, 5. Make a frequency table for these numbers.

43. From Q42, what is the mode?

44. Data: 2, 4, 4, 4, 3, 3, 2, 1, 4. What is the median?

45. Survey frequency table of books read: 0:2, 1:5, 2:4, 3:1. How many students were surveyed?

46. Dot plot: scores 1→1, 2→2, 3→3, 4→2, 5→2. What is the mode?

47. Table A: size 1:3, 2:2. Table B: size 1:1, 2:4. For the combined data, what is the frequency for size 2?

48. 100 m race times (s): 15, 16, 15, 14, 16, 15. What percentage of runners had time 15 s? (nearest whole %)

49. Data: 3, 3, 3, 2, 2, 1. What is the mode and the mean?

50. Frequency table: A:0, B:2, C:3, D:5. Which category has the highest frequency and what fraction of the total is it?