School786
AN ONLINE SCHOOL

Name: Due Date: Teacher: Parent Sign:

Questions

Creating a histogram (count frequencies for given class intervals)

1. Data: 3, 7, 5, 9, 12, 15, 11, 8, 6, 4. Class intervals: 0–4, 5–9, 10–14, 15–19. How many in each interval?

2. Data: 10, 10, 14, 18, 20, 22, 21, 19. Intervals: 10–14, 15–19, 20–24. How many in each?

3. Data: 0, 2, 4, 6, 8, 10. Intervals: 0–3, 4–7, 8–11. How many in each?

4. Data: 31, 35, 30, 29, 33, 32, 34. Intervals: 29–30, 31–32, 33–34, 35–36. How many in each?

5. Data: 45, 47, 46, 49, 50, 52, 48. Intervals: 45–47, 48–50, 51–53. How many in each?

6. Data: 5, 5, 6, 7, 8, 9, 5, 6. Intervals: 5–6, 7–8, 9–10. How many in each?

7. Data: 13, 17, 16, 19, 18, 15, 14. Intervals: 13–14, 15–16, 17–18, 19–20. How many in each?

8. Data: 100, 102, 105, 101, 99, 98, 104. Intervals: 98–100, 101–103, 104–106. How many in each?

9. Data: 21, 22, 23, 24, 25. Intervals: 21–22, 23–24, 25–26. How many in each?

10. Data: 2, 3, 3, 4, 5, 2, 1, 0. Intervals: 0–1, 2–3, 4–5. How many in each?

11. Data: 60, 62, 65, 67, 63, 61. Intervals: 60–62, 63–65, 66–68. How many in each?

12. Data: 7, 12, 11, 14, 13, 10. Intervals: 7–9, 10–12, 13–15. How many in each?

13. Data: 27, 27, 28, 29, 30, 30, 31. Intervals: 27–28, 29–30, 31–32. How many in each?

14. Data: 41, 42, 43, 44, 45. Intervals: 40–42, 43–44, 45–46. How many in each?

15. Data: 8, 9, 10, 11, 12, 13, 14, 15. Intervals: 8–9, 10–11, 12–13, 14–15. How many in each?

16. Data: 55, 58, 59, 57, 56, 55. Intervals: 55–56, 57–58, 59–60. How many in each?

17. Data: 1, 2, 4, 6, 8, 10, 12. Intervals: 0–3, 4–7, 8–11, 12–15. How many in each?

18. Data: 33, 34, 35, 36, 37, 38. Intervals: 33–34, 35–36, 37–38. How many in each?

19. Data: 70, 72, 74, 76, 78, 80. Intervals: 70–73, 74–77, 78–81. How many in each?

20. Data: 16, 18, 20, 22, 24. Intervals: 15–17, 18–20, 21–23, 24–26. How many in each?

21. Data: 39, 41, 39, 40, 42, 39. Intervals: 39–40, 41–42. How many in each?

22. Data: 90, 91, 89, 92, 88. Intervals: 88–89, 90–91, 92–93. How many in each?

23. Data: 5, 15, 25, 35, 45. Intervals: 0–9, 10–19, 20–29, 30–39, 40–49. How many in each?

24. Data: 2, 4, 6, 8, 10, 2, 4, 6. Intervals: 0–3, 4–7, 8–11. How many in each?

25. Data: 14, 14, 14, 15, 15, 16. Intervals: 14–15, 16–17. How many in each?

Interpreting a histogram (read $\frac{frequencies}{answer}$ simple questions)

For each question below the numbers give the class intervals and the histogram bar frequencies (the height of each bar).

26. Classes: 0–9:2, 10–19:5, 20–29:3. What is the total number of items?

27. Classes: 10–19:3, 20–29:7, 30–39:2. Which class has the highest frequency?

28. Classes: 0–4:4, 5–9:6, 10–14:0. How many are in 5–9?

29. Classes: 50–59:1, 60–69:4, 70–79:5. How many scored 60 or above?

30. Classes: 1–5:3, 6–10:3, 11–15:4. Which class is the mode class (most frequent)?

31. Classes: 0–10:8, 11–20:2. What fraction of the data is in 0–10?

32. Classes: 20–29:2, 30–39:2, 40–49:2. Which class has the highest frequency?

33. Classes: 5–9:7, 10–14:3. How many more are in 5–9 than in 10–14?

34. Classes: 0–19:12, 20–39:8. Which group has fewer items?

35. Classes: 0–9:0, 10–19:1, 20–29:4. How many are in the first two classes combined?

36. Classes: 30–34:2, 35–39:6, 40–44:2. Which class has the highest bar?

37. Classes: 15–19:5, 20–24:5, 25–29:0. What is the total number of items?

38. Classes: 100–109:1, 110–119:2, 120–129:3. How many items are up to 119 (inclusive)?

39. Classes: 0–5:3, 6–10:4, 11–15:3. Which class contains the median?

40. Classes: 1–3:2, 4–6:2, 7–9:1. How many data points total?

41. Classes: 16–20:7, 21–25:1. How many are in 16–20 (give count and fraction of total)?

42. Classes: 0–2:5, 3–5:5. Are the two bars equal in height?

43. Classes: 10–13:2, 14–17:3, 18–21:5. Which class has the most?

44. Classes: 5–7:4, 8–10:6. How many items total?

45. Classes: 25–29:1, 30–34:4, 35–39:5. How many scored 30 or more?

46. Classes: 0–4:9, 5–9:0. Are there any items in 5–9?

47. Classes: 40–49:3, 50–59:3, 60–69:3. Which class has the least?

48. Classes: 2–4:2, 5–7:3, 8–10:5. How many more are in 8–10 than in 2–4?

49. Classes: 11–15:4, 16–20:6. What is the mode class?

50. Classes: 0–10:6, 11–20:4. How many items total?