Answers

1. Yes

2. No

3. Yes

4. No

5. Yes

6. No

7. Yes

8. No

9. 7: 4, 8: 3, 9: 2, 10: 1

10. 0: 2, 1: 4, 2: 3, 3: 1

11. 10: 2, 11: 4, 12: 2

12. 5: 4, 6: 3, 7: 2, 8: 1

13. 5 students

14. 4

15. 2 (observed min 1, max 3 → 3 - 1 = 2)

16. 3

17. $\frac{20}{9}$  2.22

18. 3 dots

19. 10 data points

20. 6

21. 4: 4, 5: 3, 6: 2, 7: 1

22. 5

23. $\frac{5}{10} = \frac{1}{2}$

24. 130 cm

25. 3 (5 - 2 = 3)

26. 10 rolls

27. 8

28. $\frac{25}{8} = 3.125$

29. 4

30. 1

31. 50%

32. 6: 2, 7: 3, 8: 3

33. 7 and 8 (tie)

34. 3 dots

35. Value 3 (frequency 1)

36. 2

37. Mean = $(0 \cdot 1 + 1 \cdot 2 + 2 \cdot 3 + 3 \cdot 4) / 10 = \frac{20}{10} = 2$

38. Mode = 11; Range = 2 (12 - 10)

39. 6 (2 + 4 = 6)

40. 3

41. Mean = $\frac{14}{8} = 1.75$

42. 5: 4, 6: 2, 7: 3, 8: 1

43. 5

44. 3

45. 12 students

46. 3

47. 6

48. 50% (3 out of 6)

49. Mode = 3; Mean = $\frac{14}{6}$    2.33 $(\frac{14}{6} = \frac{7}{3})$

50. Category D has the highest frequency (5); fraction = $\frac{5}{10} = \frac{1}{2}$