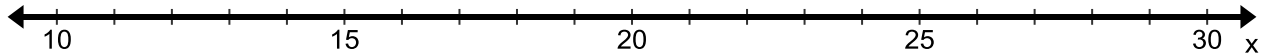Find the mean, median, mode, range, quartiles, min and max for each data set. Then make the box and whisker plot. Then answer the questions that follow.

11, 15, 23, 27, 11, 30, 25, 18, 17, 14, 27

1. **Mean** _____

2. **Median** _____

3. **Mode** _____

4. **Range** _____

5. **1st Quartile** _____

6. **3rd Quartile** _____

7. **Minimum** _____

8. **Maximum** _____

9. **Neatly make your box and whisker plot**

Use the box and whisker plot that you just constructed to complete the statements.

10. **25% of the data is below** _____.

11. **50% of the data is below** _____.

12. **75% of the data is above** _____.

13. **What percent of the data is below 27?**

14. **What percent of the data is above 18?**
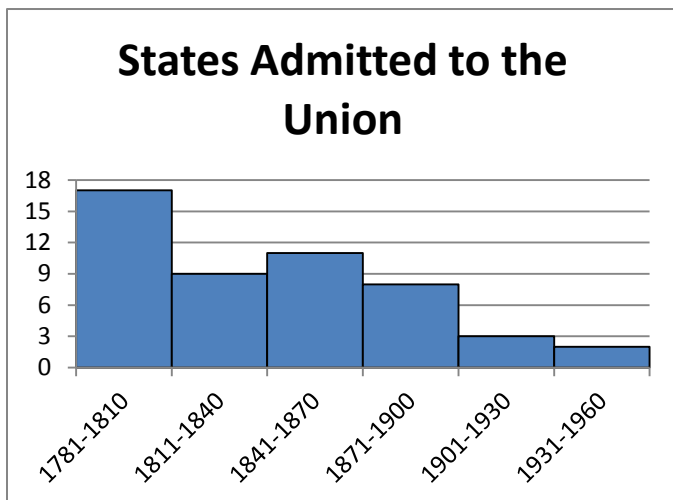
15. **How many states were admitted to the Union from 1781-1810?**

16. **How many more states were admitted in 1901-1930 than in 1931-1960?**

Find the mean, median, mode, range, quartiles, min and max for each data set. Then make the box and whisker plot. Then answer the questions that follow.

45, 41, 59, 49, 53, 52, 58, 60

17. Mean _____

18. Median _____

19. Mode _____

20. Range _____

21. 1st Quartile _____

22. 3rd Quartile _____

23. Minimum _____

24. Maximum _____

25. <u>Neatly</u> make your box and whisker plot.

```
  ◄─┼─┼─┼─┼─┼─┼─┼─┼─┼─┼─┼─┼─┼─┼─┼─┼─┼─┼─┼─┼─┼─┼─┼─┼─┼─►
    35        40        45        50        55        60        65        70  X
```
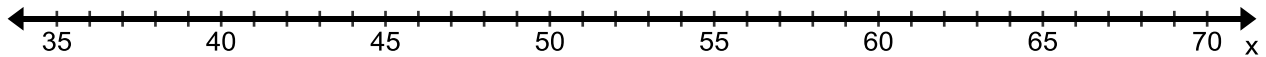
Use the box and whisker plot that you just constructed to complete the statement.

26. 25% of the data is <u>above</u> _____.

27. 50% of the data is <u>below</u> _____.

28. 75% of the data is <u>above</u> _____.

29. What percent of the data is below 58.5?

30. What percent of the data is above 52.5?