



Interpret box-and-whisker plots

1

List the values in the lower half of this data set.

24, 34, 35, 49, 66, 68, 70, 85

A 24, 34, 35, 49

B 24, 34, 35

C 24, 34, 35, 49, 66

D 66, 68, 70, 85

2

What is the median (Q_2) of this data set? The median of this data set is 57.5.

33, 36, 39, 41, 56, 59, 61, 71, 81, 84

A

39

B

55

C

71

D

57.5

3

What is the median (Q_2) of this data set?

18, 23, 35, 39, 43, 46, 69, 78, 80, 85

A

44.5

B

35

C

78

D

56.5

4

What is the interquartile range (IQR) of this data set?

Median = 33, $Q_1 = 32$, $Q_3 = 40$

A

72

B

8

C

32

D

40

5

What is the interquartile range (IQR) of this data set?

11, 33, 41, 55, 67, 77, 84, 91

A

80.5

B

117.5

C

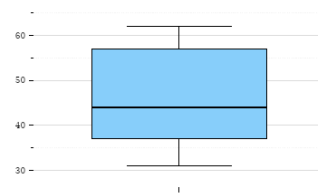
43.5

D

80

6

What is the third quartile (Q_3) of this box plot?



A 37

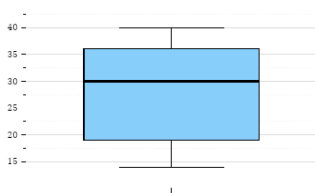
B 44

C 57

D 31

7

What is the interquartile range (IQR) of this box plot?



A 17

B 55

C 26

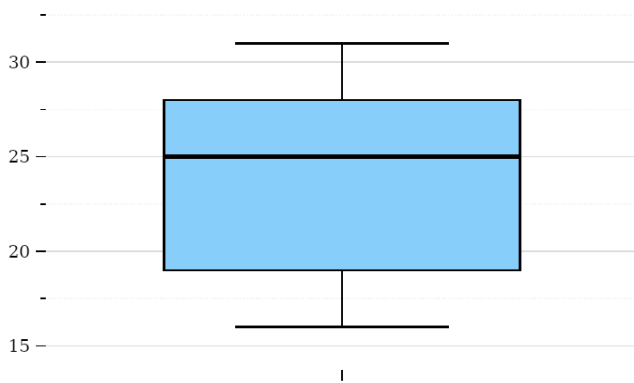
D 36



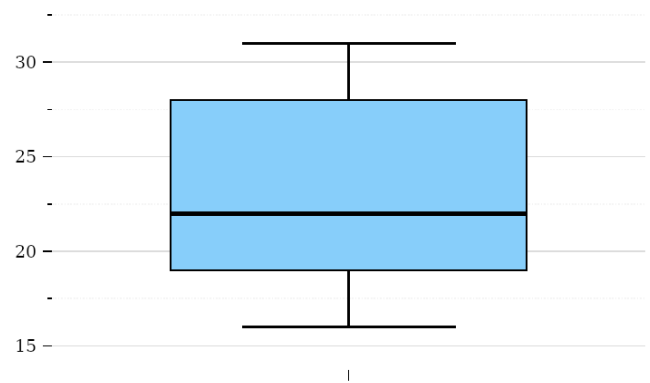
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- 8 Which box plot has this median, first quartile, and third quartile?
Median = 25, $Q_1 = 19$, $Q_3 = 28$

A

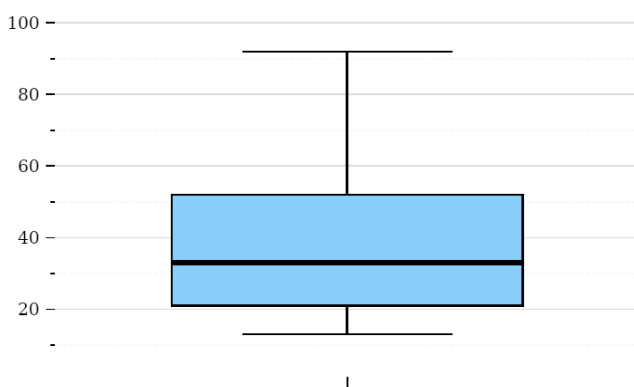


B

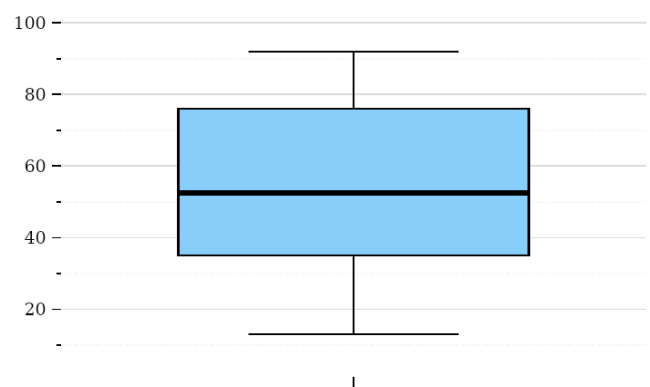


- 9 Which box plot represents this data set?
13, 15, 35, 43, 48, 57, 61, 76, 79, 92

A



B





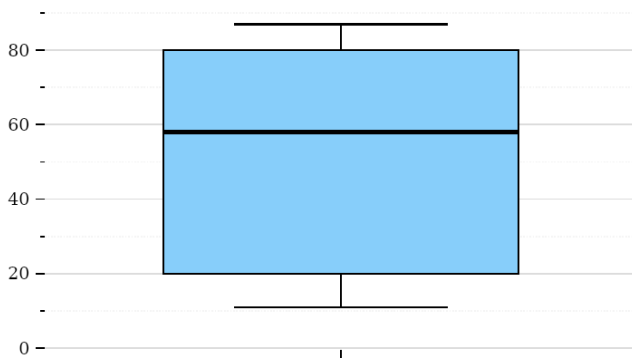
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10

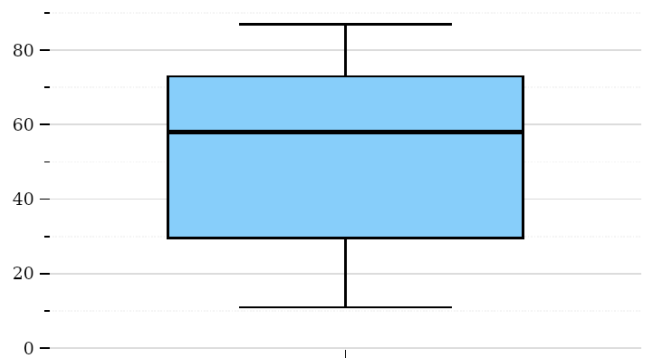
Which box plot represents this data set?

11, 27, 32, 55, 61, 67, 79, 87

A



B

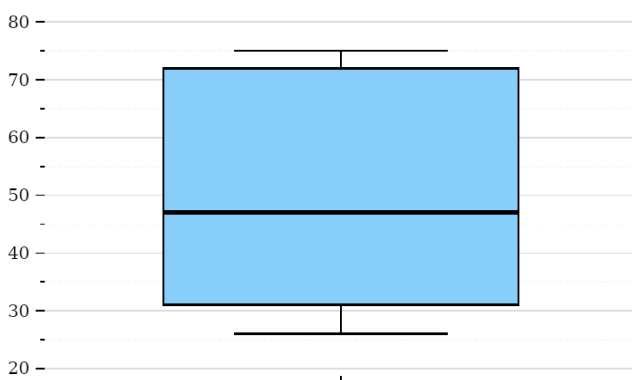


11

Which box plot represents this data set?

26, 29, 31, 39, 47, 47, 59, 72, 74, 75

A



B

