



Interpret box plots informally

1

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

54, 49, 16, 48, 69, 40, 41, 65, 49, 32

A 49, 49, 54, 65, 69

B 16, 32, 40, 41, 48, 49

C 16, 32, 40, 41, 48

D 16, 32, 40, 41

2

What is the first quartile (Q_1) of this data set?

45, 52, 53, 56, 56, 61, 62, 65, 83

A
58

B
63.5

C
56

D
52.5

3

What is the median (Q_2) of this data set? The median of this data set is 51.

27, 33, 37, 47, 50, 52, 54, 60, 66, 98

A
37

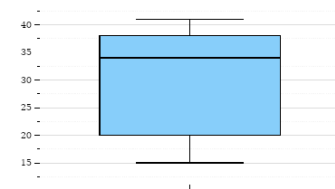
B
60

C
51

D
48.5

4

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



A 15

B 38

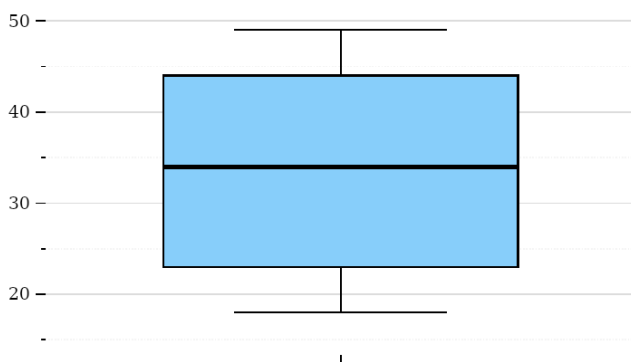
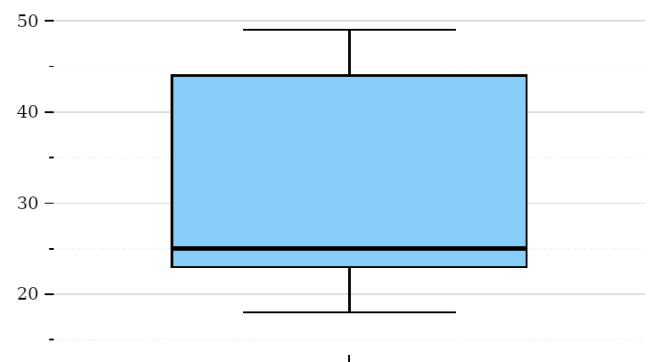
C 20

D 34

5

Which box plot has this median, first quartile, and third quartile?

Median = 25, $Q_1 = 23$, $Q_3 = 44$

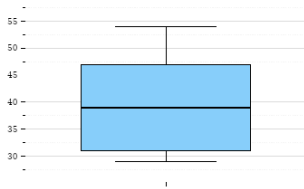
A**B**



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6

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



A 25

B 16

C 47

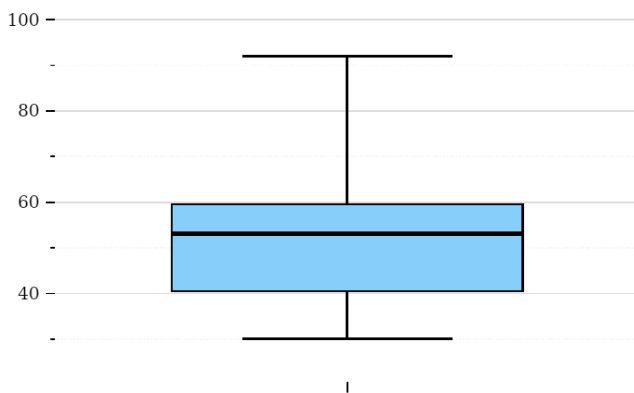
D 78

7

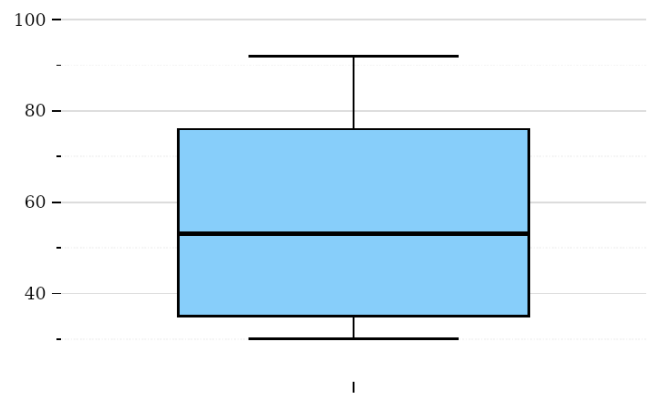
Which box plot represents this data set?

40, 92, 51, 30, 61, 58, 41, 55

A



B

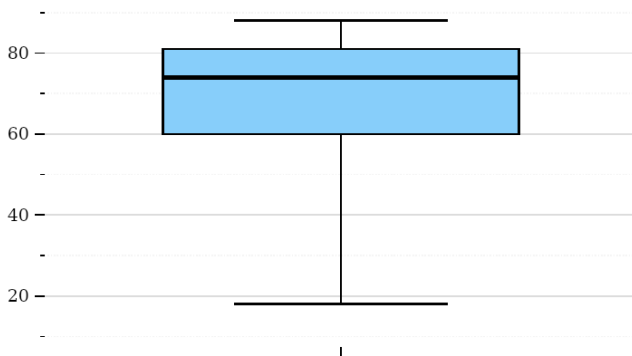




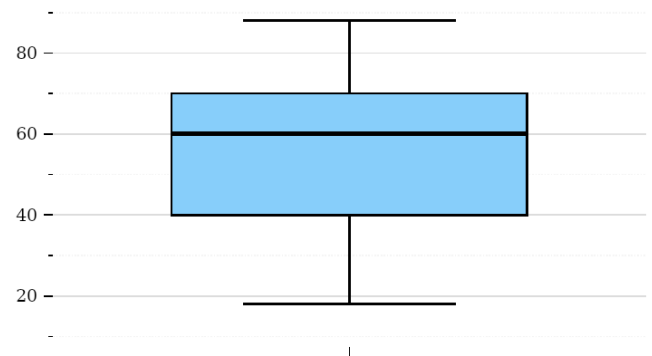
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- 8 Which box plot represents this data set?
57, 63, 70, 65, 19, 88, 74, 18, 53, 40

A

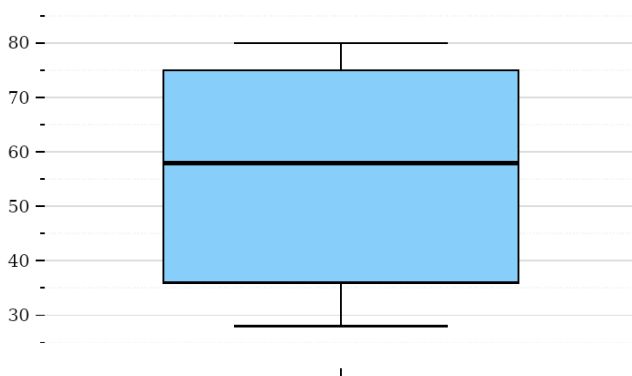


B

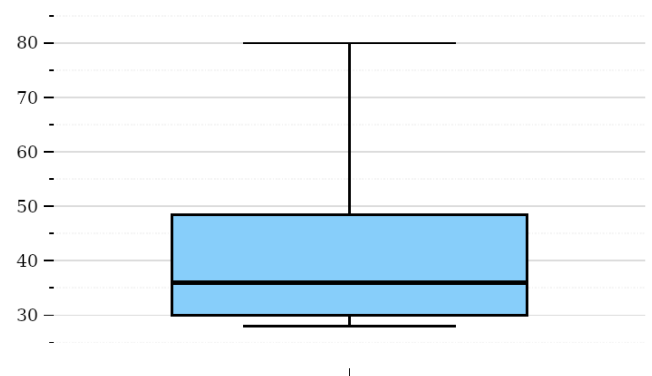


- 9 Which box plot represents this data set?
80, 51, 46, 36, 31, 36, 38, 29, 28

A



B





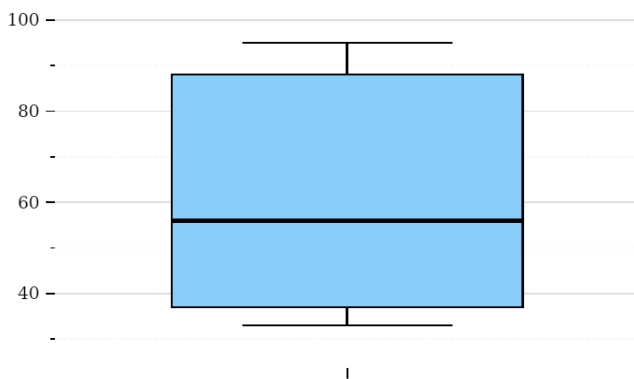
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10

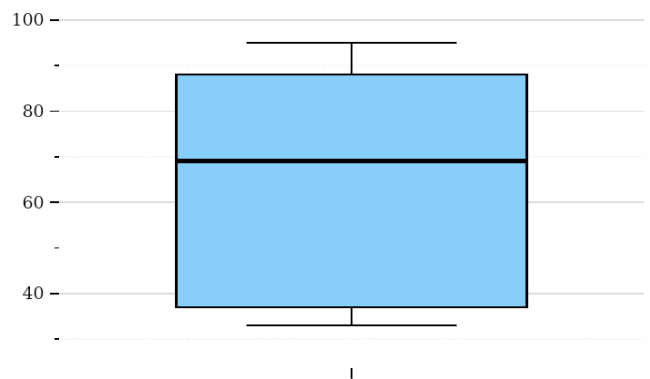
Which box plot represents this data set?

91, 64, 95, 87, 74, 37, 36, 44, 33, 88

A



B

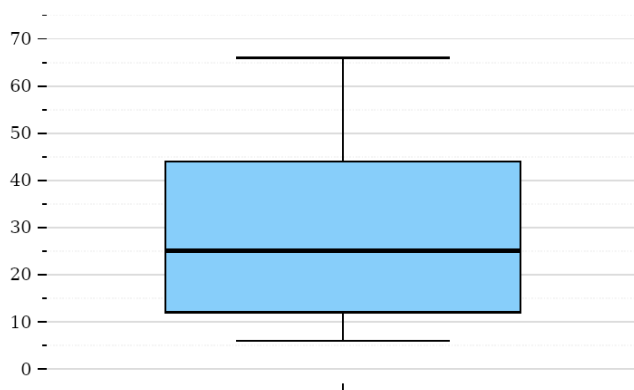


11

Which box plot represents this data set?

48, 31, 66, 46, 36, 6, 50, 44, 40

A



B

