

**Determine quartiles and interquartile range****1**

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

20, 34, 55, 58, 60, 76, 77, 79, 81

A 20, 34, 55, 58

B 20, 34, 55, 58, 60

C 20, 34, 55

D 76, 77, 79, 81

2

What is the median of this data set?

11, 81, 70, 72, 67, 27, 37, 81

A

68.5

B

32

C

54.25

D

76.5

3

What is the median (Q2) of this data set? The median of this data set is 35.

20, 27, 28, 34, 35, 42, 50, 72, 80

A

44.25

B

27.5

C

35

D

61

4

What is the median (Q2) of this data set?

36, 37, 41, 61, 71, 76, 87, 89

A

60.25

B

81.5

C

39

D

66

5

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

89, 63, 33, 47, 51, 49, 26, 42

A 47, 49, 51, 63, 89

B 51, 63, 89

C 26, 33, 42, 47

D 49, 51, 63, 89

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What is the median (Q2) of this data set? The median of this data set is 41.

27, 29, 29, 30, 37, 45, 46, 52, 52, 90

A

52

B

41

C

40.5

D

29

7

What is the first quartile (Q1) of this data set?

40, 38, 42, 53, 42, 55, 77, 50, 42

A

54

B

42

C

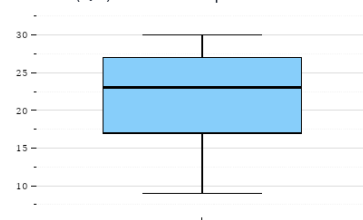
41

D

47.5

8

What is the median (Q2) of this box plot?



A 23

B 9

C 17

D 27



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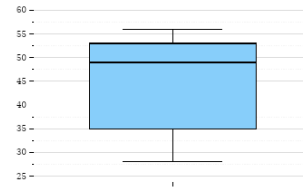
What is the interquartile range (IQR) of this data set?

$$\text{Median} = 36, \quad Q_1 = 30, \quad Q_3 = 44$$

A 74	B 30
C 44	D 14

10

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



A 28	B 18	C 53	D 88
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What is the interquartile range (IQR) of this data set?

68, 16, 90, 52, 16, 30, 87, 91, 66, 26

A 75	B 113
C 87	D 61

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

32, 47, 52, 62, 49, 68, 49, 96, 45

A 65	B 64
C 19	D 111

13

Which box plot represents this data set?

73, 80, 27, 94, 76, 70, 11, 38

