Box Plots, Quartiles & Outliers · 1

Data: 36, 36, 36, 45, 47, 48, 48. Write the five-number summary (minimum, Q1, median, Q3, maximum).

Box Plots, Quartiles & Outliers · 2

Data: 40, 42, 48, 49, 49, 50, 53. Find the interquartile range (IQR).

Box Plots, Quartiles & Outliers · 3

Data: 51, 51, 53, 54, 56, 57, 59, 61, 63. Find the range.

Box Plots, Quartiles & Outliers · 4

Data: 15, 19, 20, 23, 23, 27, 36. Find the upper fence, Q3 + 1.5 × IQR.

Box Plots, Quartiles & Outliers · 5

Data: 47, 48, 51, 51, 53, 58, 82. Find the interquartile range (IQR).

Box Plots, Quartiles & Outliers · 6

Data: 40, 41, 46, 46, 46, 51, 53. Find the lower fence, Q1 − 1.5 × IQR.

Box Plots, Quartiles & Outliers · 7

Data: 28, 36, 36, 37, 38, 38, 38, 46. Is 38 an outlier by the 1.5 × IQR rule?

Box Plots, Quartiles & Outliers · 8

Data: 24, 30, 33, 33, 37, 42, 42. Write the five-number summary (minimum, Q1, median, Q3, maximum).

Box Plots, Quartiles & Outliers · 2

ANSWER

8

Box Plots, Quartiles & Outliers · 1

ANSWER

36, 36, 45, 48, 48

Box Plots, Quartiles & Outliers · 4

ANSWER

39

Box Plots, Quartiles & Outliers · 3

ANSWER

12

Box Plots, Quartiles & Outliers · 6

ANSWER

26

Box Plots, Quartiles & Outliers · 5

ANSWER

10

Box Plots, Quartiles & Outliers · 8

ANSWER

24, 30, 33, 42, 42

Box Plots, Quartiles & Outliers · 7

ANSWER

no

Box Plots, Quartiles & Outliers · 9

Data: 11, 13, 13, 15, 20, 23, 24, 26, 26. Write the five-number summary (minimum, Q1, median, Q3, maximum).

Box Plots, Quartiles & Outliers · 10

Data: 26, 26, 29, 33, 36, 40, 60. Find the interquartile range (IQR).

Box Plots, Quartiles & Outliers · 11

Data: 26, 35, 37, 41, 46, 47, 51. Find the range.

Box Plots, Quartiles & Outliers · 12

Data: 44, 45, 50, 50, 52, 53, 64. Find the upper fence, Q3 + 1.5 × IQR.

Box Plots, Quartiles & Outliers · 13

Data: 15, 19, 24, 27, 29, 31, 31. Find the interquartile range (IQR).

Box Plots, Quartiles & Outliers · 14

Data: 36, 54, 56, 57, 59, 62, 63, 63, 66. Find the lower fence, Q1 − 1.5 × IQR.

Box Plots, Quartiles & Outliers · 15

Data: 10, 11, 11, 12, 13, 18, 20, 39. Is 39 an outlier by the 1.5 × IQR rule?

Box Plots, Quartiles & Outliers · 16

Data: 17, 37, 38, 39, 43, 43, 46. Write the five-number summary (minimum, Q1, median, Q3, maximum).

Box Plots, Quartiles & Outliers · 10

ANSWER

14

Box Plots, Quartiles & Outliers · 9

ANSWER

11, 13, 20, 25, 26

Box Plots, Quartiles & Outliers · 12

ANSWER

65

Box Plots, Quartiles & Outliers · 11

ANSWER

25

Box Plots, Quartiles & Outliers · 14

ANSWER

43

Box Plots, Quartiles & Outliers · 13

ANSWER

12

Box Plots, Quartiles & Outliers · 16

ANSWER

17, 37, 39, 43, 46

Box Plots, Quartiles & Outliers · 15

ANSWER

yes

Data: 45, 46, 48, 49, 51, 53, 54, 59, 60, 60, 62. Find the interquartile range (IQR).

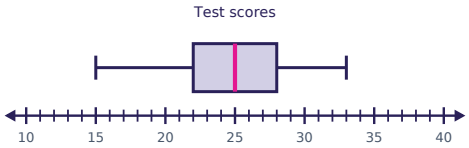
Data: 42, 44, 47, 49, 49, 50, 59, 59, 59, 59. Find the upper fence, Q3 + 1.5 × IQR.

Data: 26, 33, 37, 38, 39, 39, 39, 44. Find the lower fence, Q1 − 1.5 × IQR.

Data: 52, 53, 54, 56, 56, 56, 60, 63, 66, 69, 107. Use the 1.5 × IQR rule to list all the outliers (or write none).

Data: 45, 49, 51, 54, 56, 62, 62, 90. Is 90 an outlier by the 1.5 × IQR rule?

Use the box plot to find the lower fence, Q1 − 1.5 × IQR.



Data: 7, 30, 32, 34, 36, 38, 39, 40, 40, 42. Write the five-number summary (minimum, Q1, median, Q3, maximum).

Data: 16, 18, 18, 24, 25, 26, 27, 27, 28, 30, 32. Use the 1.5 × IQR rule to list all the outliers (or write none).

Box Plots, Quartiles & Outliers · 18

ANSWER

77

Box Plots, Quartiles & Outliers · 17

ANSWER

12

Box Plots, Quartiles & Outliers · 20

ANSWER

107

Box Plots, Quartiles & Outliers · 19

ANSWER

29

Box Plots, Quartiles & Outliers · 22

ANSWER

13

Box Plots, Quartiles & Outliers · 21

ANSWER

yes

Box Plots, Quartiles & Outliers · 24

ANSWER

none

Box Plots, Quartiles & Outliers · 23

ANSWER

7, 32, 37, 40, 42