



Name

Score

Solve and show all steps.

Create a box-and-whisker plot for the following data set: 12, 15, 18, 21, 24, 27, 30.

What is the interquartile range (IQR) of the data set represented by the box-and-whisker plot below?

Minimum: 5

Q1: 10

Median: 15

Q3: 20

Maximum: 25

Create a box-and-whisker plot for the following data set: 5, 8, 12, 16, 20, 25, 30.

What is the range of the data set represented by the box-and-whisker plot below?

Minimum: 3

Q1: 7

Median: 10

Q3: 14

Maximum: 18

Create a box-and-whisker plot for the following data set: 11, 14, 17, 20, 23, 26, 29.



Solve and show all steps.

Minimum: 12  
Q1: 15  
Median: 21  
Q3: 27  
Maximum: 30

The IQR is (  $Q3 - Q1 = 20 - 10 = 10$  )

Minimum: 5  
Q1: 8  
Median: 16  
Q3: 25  
Maximum: 30

The range is (  $18 - 3 = 15$  )

Minimum: 11  
Q1: 14  
Median: 20  
Q3: 26  
Maximum: 29