

### Question #21102

What are the minimum, first quartile, median, third quartile, and maximum of the data set?

18, 20, 11, 10, 8, 6, 12, 4

### Solution

Ranked data set: 4, 6, 8, 10, 11, 12, 18, 20.

$$\text{Median: } \frac{10+11}{2} = 10,5$$

Minimum: 4;

Maximum: 20;

$$\text{First quartile: } \frac{6+8}{2} = 7;$$

$$\text{Third quartile: } \frac{12+18}{2} = 15.$$