

9.4

Range and IQR Assignment

Name _____ Period _____

Find the range of the data.

- 34, 31, 35, 36, 27, 33
- Describe and correct the error in finding the range of the data.

X 3, 7, 12, 8, 30, 16, 24
The range is $24 - 3 = 21$.

Find the median, first quartile, third quartile, and interquartile range of the data.

- 52, 63, 55, 56, 62, 54, 59, 60, 53, 61, 88
- 73, 83, 72, 81, 77, 74, 89, 50, 75, 84

- The table shows the swim times for swimmers in the final heat.
 - Find and interpret the range of the swim times.
 - Find the interquartile range of the swim times.

Swim Times (seconds)			
24.7	23	27.9	25.1
24	23.8	24.5	25
23.9	24.1	23.5	23.2

- The table shows the ages of automobiles in the parking lot.
 - The range of the ages is 12 years. Find the missing age.
 - Find the interquartile range.

Age of Automobile (years)			
5	3	1	8
10	6	9	?

Bonus: Another automobile enters the parking lot. The range and interquartile range of the automobiles does not change. Find a possible age of the new automobile.