

Warm-up: Day 5

Recently, the weatherman has reported the high temperature in Middletown each and every day. This box-and-whisker plot shows the results.

Daily high temperatures ($^{\circ}\text{C}$)



What percent of the high temperatures were 28°C or hotter?

0%

25%

50%

75%

100%

The water company that serves Oak Grove is rolling out a new water saving program, but in order to be effective, they need to target customers that pay a certain amount on their bills. They start by reviewing how much customers paid on their December bills. This box-and-whisker plot shows the results.

Water bill for December (\$)



What is the value of the upper quartile?

\$ 80

A statistician is collecting data on heights of basketball players over the years. This box-and-whisker plot shows the results.

Basketball players' heights (inches)

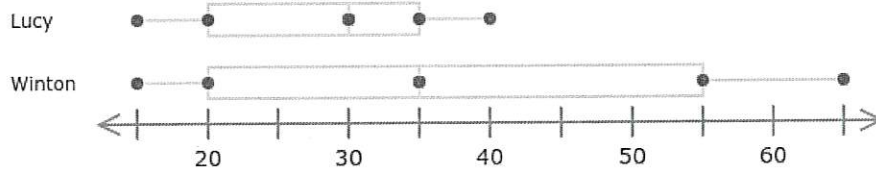


What is the value of the upper quartile?

76 inches

Two friends in Mrs. Burnett's class, Lucy and Winton, wanted to compare how much time they each spent studying for her class over the course of a few days. These box-and-whisker plots show the results.

Time spent studying each evening



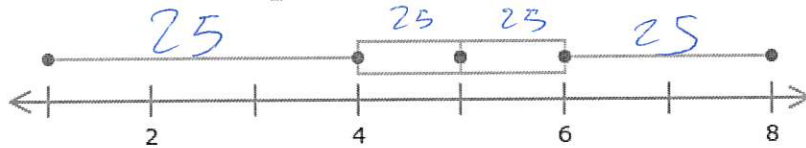
Which student has a lower median?

Lucy

Winton

The librarians at the Morristown Library tracked how many magazines its patrons read each day. This box-and-whisker plot shows the results.

Magazines read each day



What percent of the people read between 1 and 4 magazines each day?

0%

25%

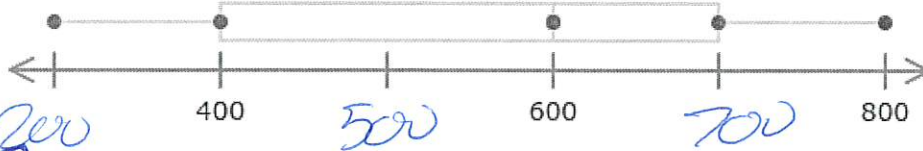
50%

75%

100%

Yardley Fitness tracks how much time its members spend at the gym each month. This box-and-whisker plot shows the results.

Time spent at the gym each month (minutes)



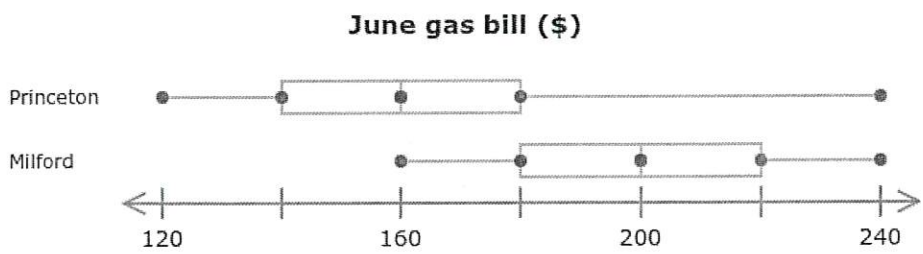
What is the range?

~~500~~ minutes

$$800 - 300 = 500$$

500

An auditor at a utility company is going over customers' bills from June, ensuring that they were charged the right amount for the gas they used. She is focusing on customers living in Princeton and Milford. These box-and-whisker plots show the results.

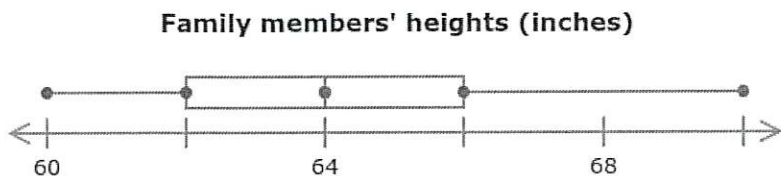


Which city has a minimum value that is lower?

Princeton

Milford

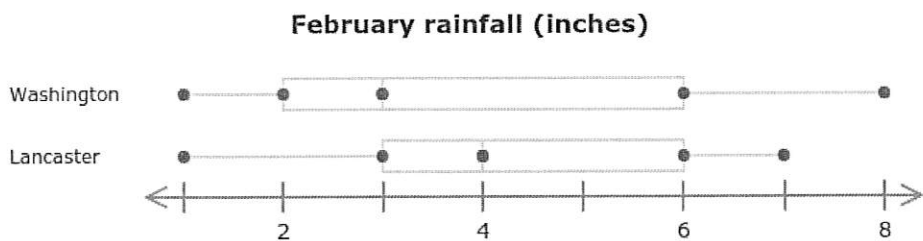
Students in a statistics class are recording the heights of their family members. This box-and-whisker plot shows the results.



What is the value of the upper quartile?

66 inches

A weather website lists the amount of rainfall in Washington and Lancaster over the month of February. These box-and-whisker plots show the results.



Which city has a larger range?

Washington

Lancaster