

HW: Boxplot Practice #3

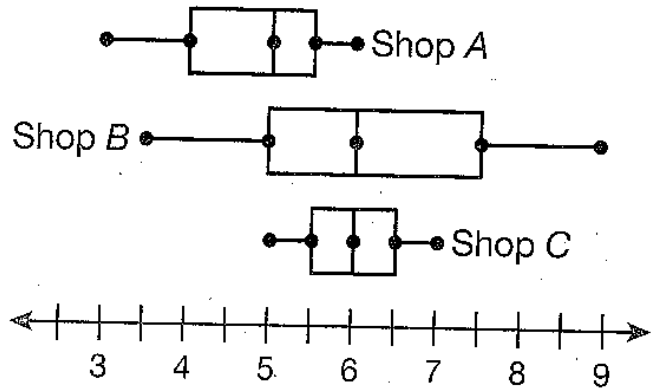
1. What is the median price at each shop?

SHOP A:

SHOP B:

SHOP C:

Sandwich Prices (in dollars)



2. Find the IQR for each shop

SHOP A:

SHOP B:

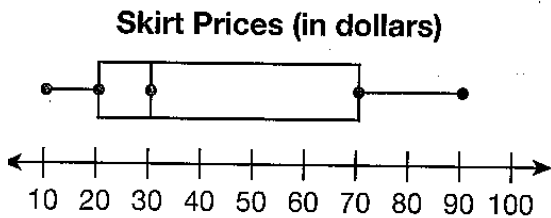
SHOP C:

3. Which sandwich shop has the cheapest sandwich? How much was it?

4. Which sandwich shop had the most expensive sandwich? How much was it?

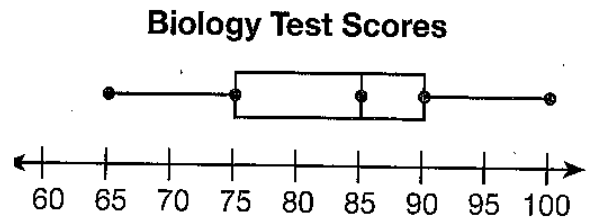
5. Which sandwich store would you most like to shop at? Why?

6. The box plot shows the prices of 20 skirts for sale at a boutique. Which statement about the prices is true?

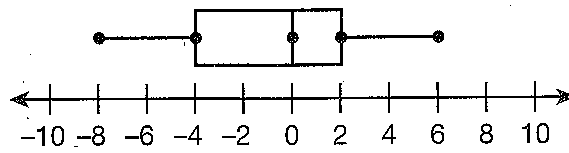


- A. The highest-priced skirt costs \$100.
- B. The median price of a skirt is \$70.
- C. Half the skirts have prices that range from \$20 to \$70.
- D. The prices of the skirts are close to the median and not very variable.

7. The box plot shows the test scores earned by students in a biology class. Which statement about the test scores is **not** true?



- A. The scores ranged from 65 to 100.
- B. The median score earned was an 85.
- C. 25% of students scored less than 75 points on the test.
- D. 50% of students had scores that ranged from 75 to 85 points.



8. What is the median? _____

What is the lower quartile? _____

What is the minimum? _____

What is the upper quartile? _____

What is the maximum? _____

For each statement determine if it is true or false. IF FALSE, rewrite it so it is TRUE

9. A box plot uses a box and whiskers to show the spread of a set of data.

10. In a box plot, the box represents the upper 25% of the data.

11. The quartiles and the median divide a data set into four smaller sets of data.

12. The interquartile range is the difference between the upper extreme and the lower extreme.
