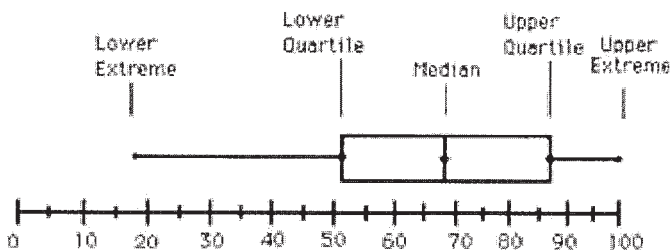


## Unit 10 Remediation Objective 12

To be able to interpret box-and-whisker plots

Box-and-whisker plots- also called box plots, show how data is distributed by using the median, the upper and lower quartiles, and the greatest and least values of the data.

-A box is drawn around the quartile value and the whiskers extend from each quartile to the extreme data points.



You should be able to look at graph and answer questions about the different parts the plot.

Example:

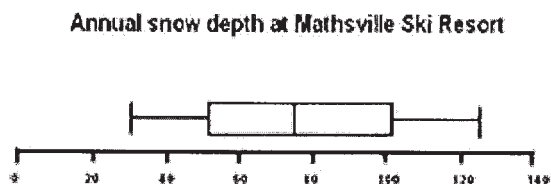
1. What is the median of the plot?

about 68

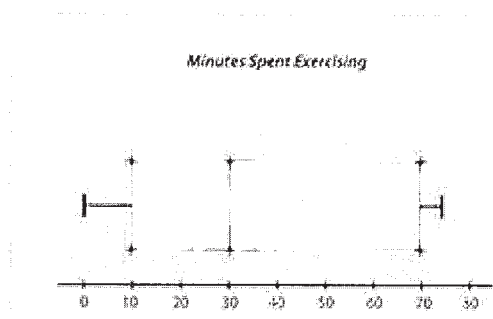
2. What is the range of the data?

$$100 - 19 = 81$$

Use the box-and-whisker plot to answer the following questions.



1. What is median snow depth? \_\_\_\_\_
2. The lower 50% of the data, falls between what two numbers? \_\_\_\_\_
3. What is the lower and upper quartiles? \_\_\_\_\_
4. What is the interquartile range? \_\_\_\_\_
5. What are the extremes? \_\_\_\_\_



6. What is the median of minutes spent exercising? \_\_\_\_\_
7. What is the range of the data? \_\_\_\_\_
8. What are the extremes? \_\_\_\_\_
9. What is the lower and upper quartile range? \_\_\_\_\_
10. What is the range of the top 25%? \_\_\_\_\_