

# 10.4 Box and Whisker Plot

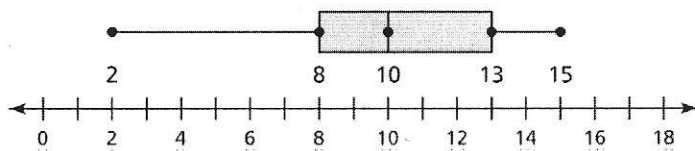
Name \_\_\_\_\_ Period \_\_\_\_\_

Make a box-and-whisker plot for the data.

1. Miles per gallon:  
18, 30, 24, 19, 22, 34, 13, 12, 20, 25, 28, 17

2. Numbers of take-out orders:  
26, 2, 17, 25, 18, 20, 21, 15, 29, 27, 22

3. The box-and-whisker plot represents the numbers of cocoons in each butterfly tent.



- Is the data more spread out below the first quartile or above the third quartile?
- Find the interquartile range of the data.
- What are the most appropriate measures to describe the center and variation of the distribution?
- What percent of the cocoons are less than 10?
- What percent of the cocoons are between or equal to 13 and 15?

Identify the shape of the distribution.

