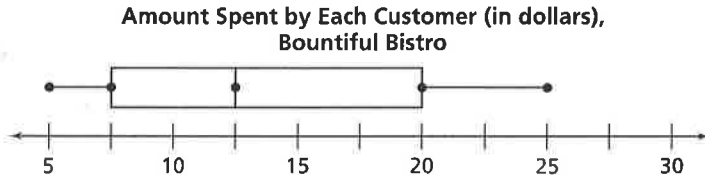
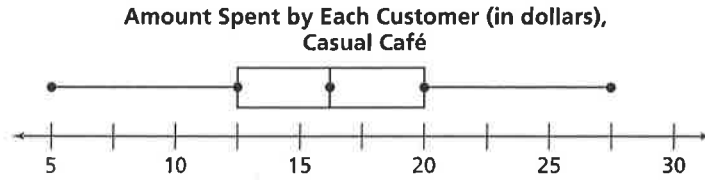


For exercises 1 – 5, use the data displayed in the box plots below.



1. Find the following for each set of data.

	Casual Café	Bountiful Bistro
Median		
Range		
Interquartile range		

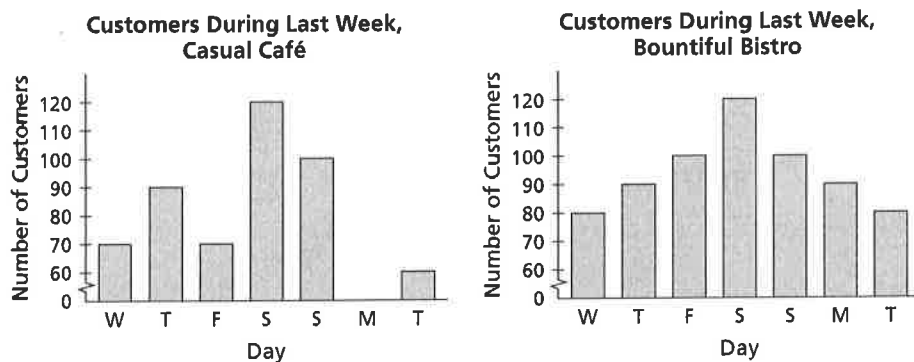
2. Use the medians of the data to compare the amounts spent by customers at each restaurant.

3. Use the ranges and interquartile ranges of the data to compare how the amounts spent by customers at each restaurant vary.

4. Use the symmetry in each box plot. Compare how the amounts spent by customers at each restaurant are distributed.

5. Use the evidence of clusters or no clusters to compare the amounts spent by customers at each restaurant.

For exercises 6 – 9, use the data displayed in the bar graphs below.



6. Compare the numbers of days the restaurants are open. Explain how the graphs show this.

7. **Multiple choice:** Which statement is true about the mean numbers of customers during days that each restaurant is open?

- a. the mean number of daily customers at bountiful Bistro is about 20 more than at the Casual café.
- b. The mean number of daily customers at Bountiful Bistro is about 10 more than at the Casual Café.
- c. The mean number of daily customers at the restaurants is about the same.
- d. The mean number of daily customers at Bountiful Bistro is about 10 less than at the Casual Café.

8. Use any peaks in the data to compare the numbers of customers at the restaurants.

9. Use any symmetry or lack of symmetry to compare the distribution of data for the restaurants.