Name_____ Date _____

Describing Categorical Data

Independent Practice

Use the table below to answer questions 1 – 4.

Lauren collects seashells. The table below shows the number of each type of shells that Lauren has in her collection.

Seashell Collection

Type of Shell	Whelk	Conch	Clam	Scallop
Number of Shells	8	4	15	13

1. What is the total number of shells Lauren has in her collection?

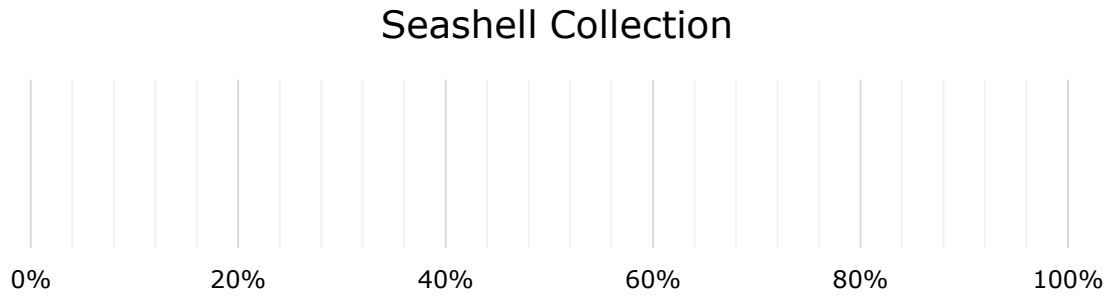
2. Use the data in the table to complete the relative frequency table below.

Type of Shell	Number of Shells	Ratio of Shells to Total	Percent of Collection
Whelk			
Conch			
Clam			
Scallop			
Total			

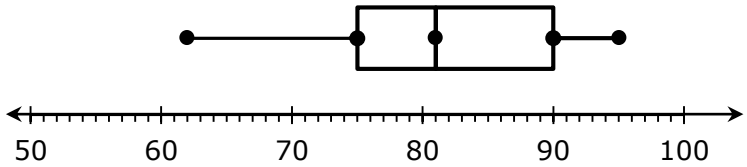
3. According to the relative frequency table, what is the mode shell in Lauren's collection?

Name_____ Date _____

4. Construct a percent bar graph to show the distribution of shells in Lauren's collection.



Use the graph below to answer questions 5 – 7.



5. What is the center of the data set?

6. What is the spread of the data set?

7. Describe the shape of the data distribution (uniform, symmetric, skewed right, or skewed left). How can you tell?

Name_____ Date _____

Use the graph below to answer questions 8 – 11.

The stem-and-leaf plot below shows the number of gold medals won by the United States Olympic team each year in the summer Olympics since 1896.

U.S. Olympic Gold Medals

Stem	Leaf
1	1 9
2	2 3 4 5
3	2 3 4 4 6 6 6 6 7 7 8
4	0 1 1 4 5 5 6
5	
6	
7	8
8	3

2|3 means 23.

8. What is the center of the data set?

9. What is the spread of the data set?

10. What is the mode of the data set?

11. Describe the shape of the data distribution (uniform, symmetric, skewed right, or skewed left). How can you tell?

Name_____ Date _____

Use the graph below to answer questions 12 – 15.

12. What is the center of the data set?

13. What is the spread of the data set?

14. What is the mode of the data set?

15. Describe the shape of the data distribution (uniform, symmetric, skewed right, or skewed left). How can you tell?