Moore SCC 8e

Chapter 11 Practice Quiz

1. The most common graph of the distribution of a quantitative variable is a:

a. Bar graph

b. Line graph

c. Histogram

d. Stem and leaf

2. Use the following class set of grades to answer this question:

95 87 63 88 82 91 99 71 43 55 82 64 75 75 84 93 87 76 55 91

The first step to drawing a histogram for this data set is:

a. Change the units of the variable.

b. Create a frequency chart.

c. Divide the range of data into classes of equal width.

d. Find the measures of central tendency of the data set.

3. Use the following class set of grades to answer this question:

95 87 63 88 82 91 99 71 43 55 82 64 75 75 84 93 87 76 55 91

If we used classes of size ten, the count of each class would be:

a.

Class	Count
40 to 49	1
50 to 59	2
60 to 69	2

70 to 79   4

80 to 89   5

90 to 99   6

b.

Class	Count
40 to 50	1
50 to 60	2
60 to 70	2
70 to 80	4
80 to 90	5
90 to 100	6

c.

Class	Count
40 to 44	1
45 to 49	0
50 to 54	1
55 to 59	2
60 to 64	2
65 to 69	0
70 to 74	1
75 to 79	3
80 to 84	3
85 to 89	2

90 to 94   3

95 to 99   2

d.

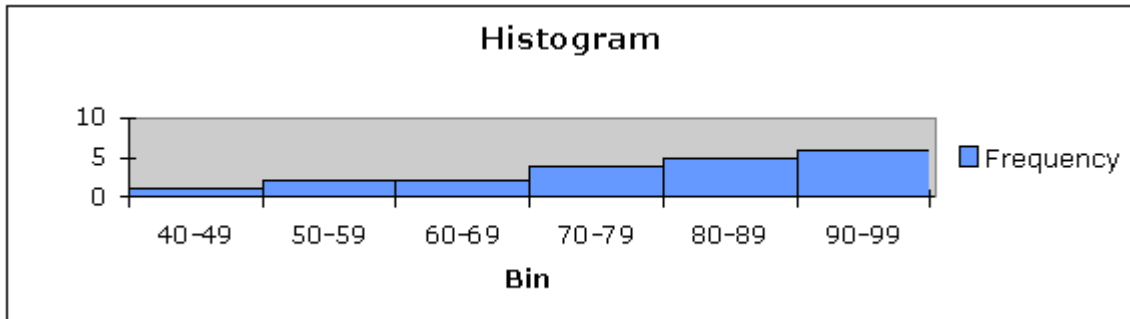| Class	Count
40 to 45	1
45 to 50	0
50 to 55	1
55 to 60	2
60 to 65	2
65 to 70	0
70 to 75	1
75 to 80	3
80 to 85	3
85 to 90	2
90 to 95	3
95 to 100	2

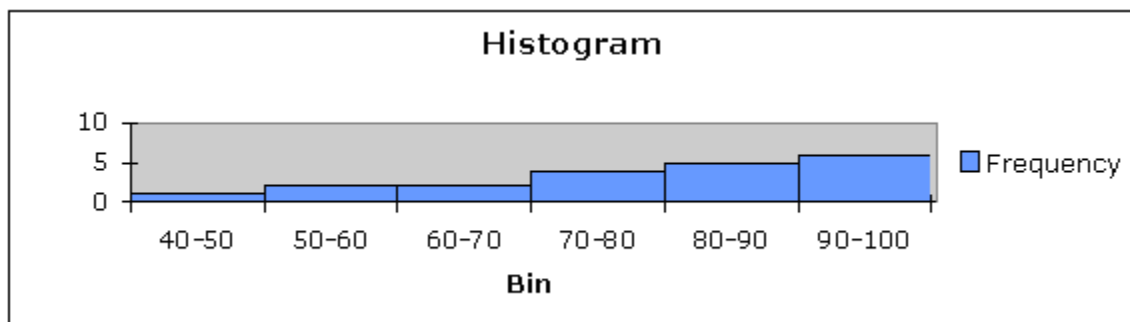4. Use the following class set of grades to answer this question:

95 87 63 88 82 91 99 71 43 55 82 64 75 75 84 93 87 76 55 91

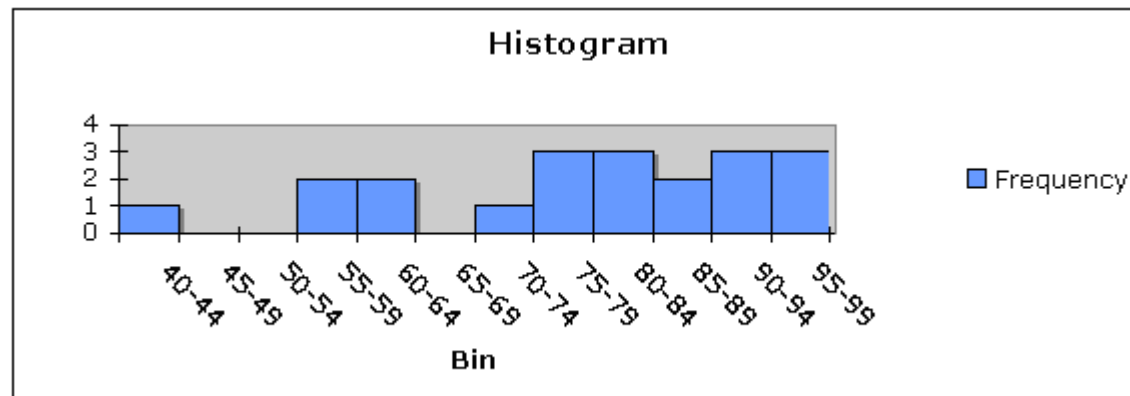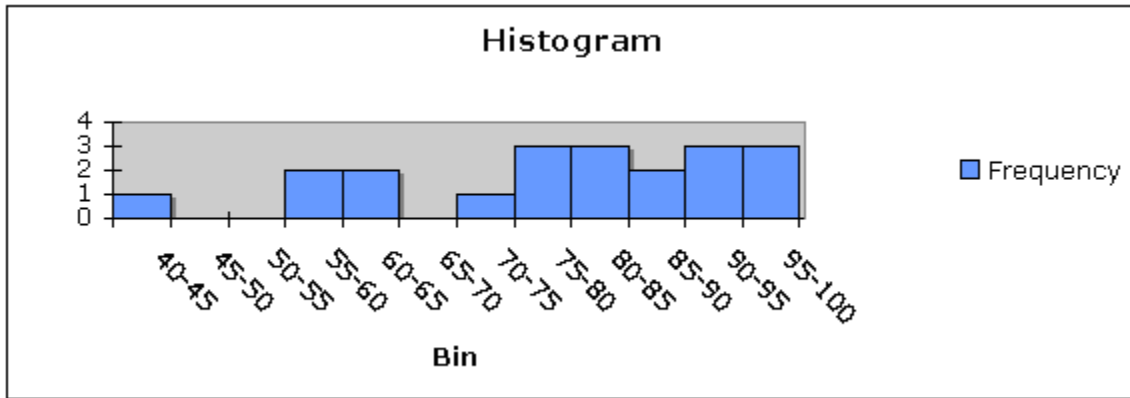An appropriate histogram for this data set using a class of width 10 would be:
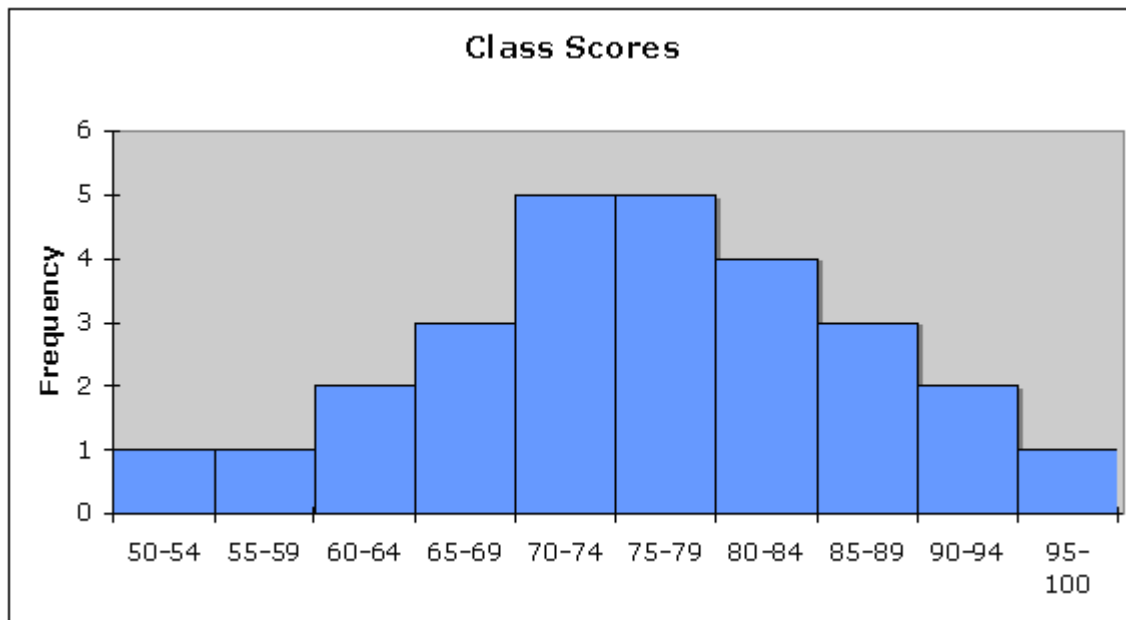
a.
(ch11q04a.jpg)

b.
(ch11q04b.jpg)

c.
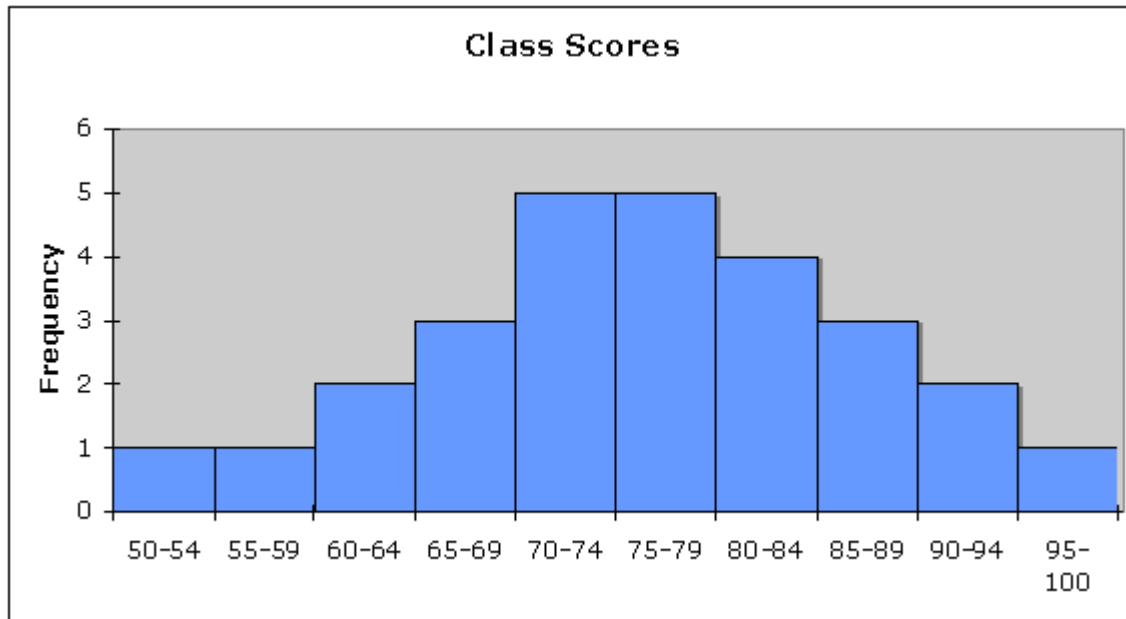(ch11q04c.jpg)

d.

5. Use the histogram to answer the following question:

What is the class width?

a. 4

b. 5

c. 10

d. Cannot be determined from the graph.

6. Use the histogram to answer the following question:

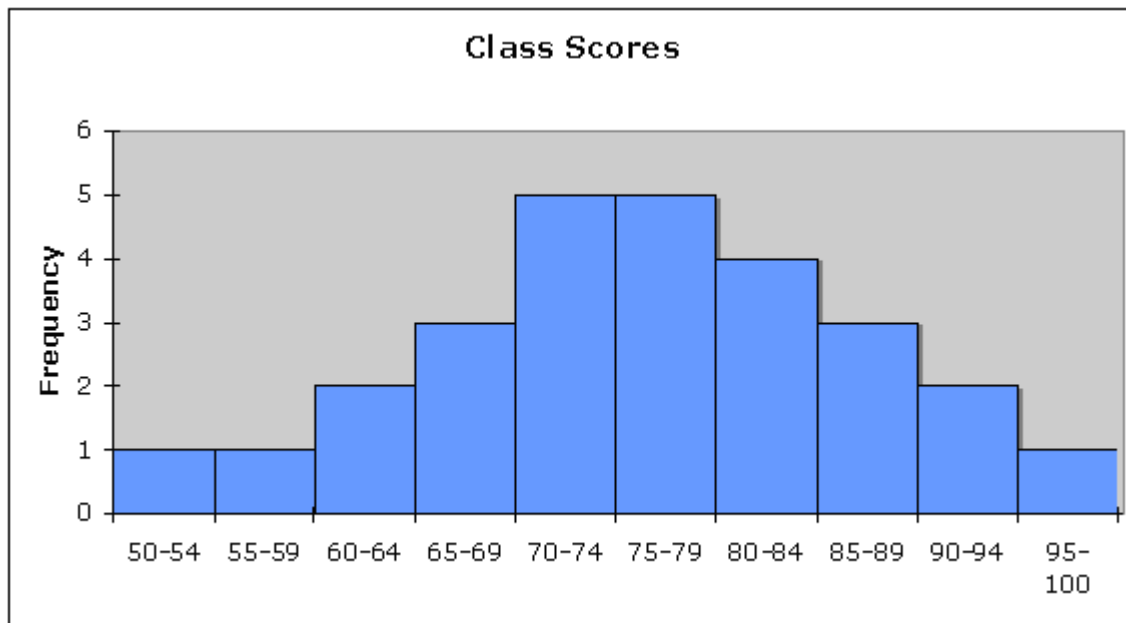How many people took the test?

a. 25

b. 26

c. 27

d. 28

7. Use the histogram to answer the following question:
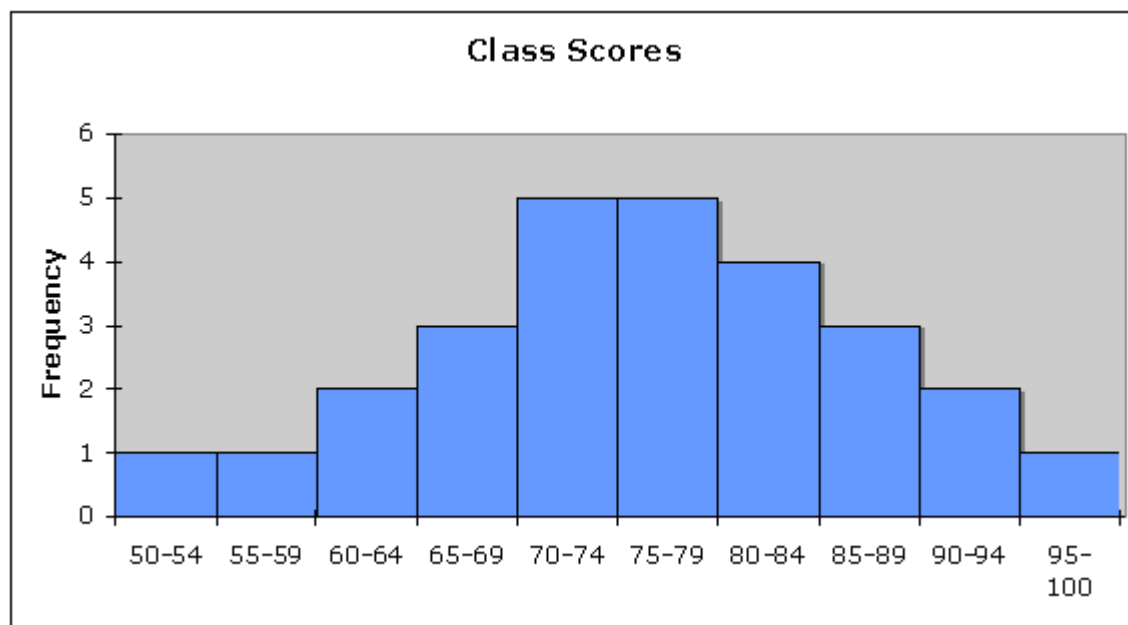

(ch11q05-10.jpg)

How many people scored a 75 or higher?

a. 10

b. 15

c. 20

d. Cannot be determined from the graph.
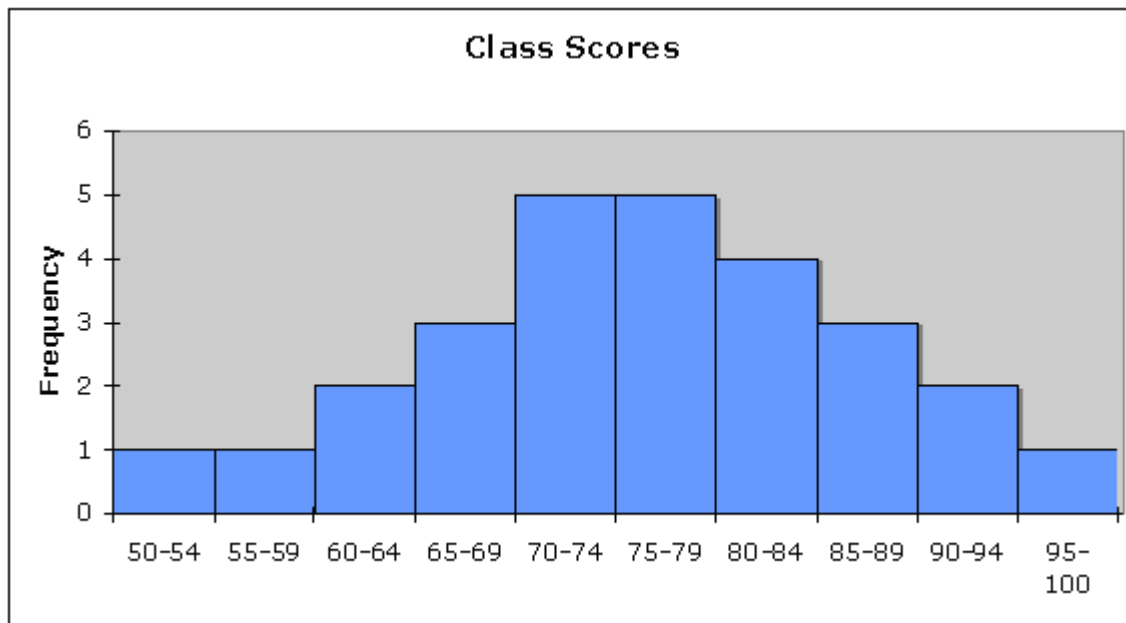
8. Use the histogram to answer the following question:

Class Scores

How would you describe the shape of the graph?

a. Skewed to the left

b. Skewed to the right

c. Roughly symmetrical

d. There is no pattern to the data, so we cannot describe the shape of the graph.
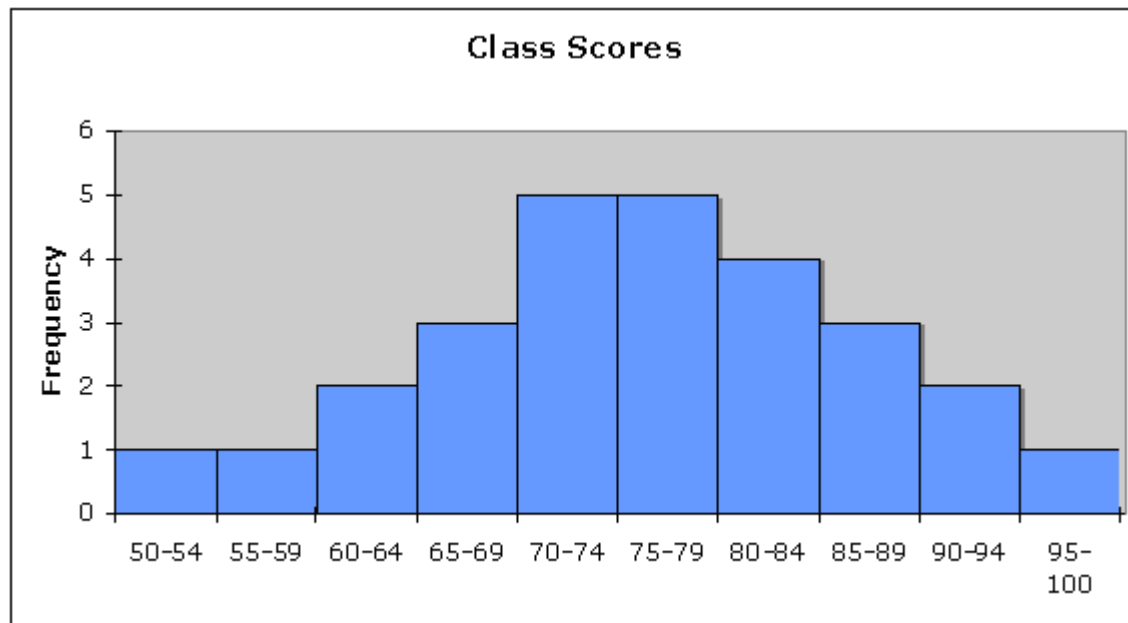
9. Use the histogram to answer the following question:

The spread of data is:

a. Between 50 and 100

b. Between 0 and 100

c. Between 60 and 94

d. Cannot be determined from the graph.

10. Use the histogram to answer the following question:

Class Scores

A possible stemplot of the data set would be

a.

5| 0 5

6| 0 0 5 8 9

7| 0 1 2 3 4 5 6 7 9 9

8| 0 1 1 3 7 7 9

9| 1 3 8

b.

5| 0 5

6| 0 0 5 8

7| 0 1 2 4 5 6 7 9 9

8| 0 1 1 3 7 7 9

9| 1 3

c.

5| 0

5| 5

6| 0 0

6| 5 8 9

7| 0 1 2 3 4

7| 5 6 7 9 9

8| 0 1 1 3

8| 7 7 9

9| 1 3

9| 8

d. None of the choices are correct.