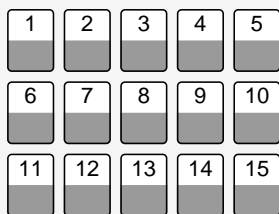


COMM 215

[Home](#) ▶ [My courses](#) ▶ [COMM-215-2184-CC](#) ▶ [Week 2 Introduction & Descriptive Statistics](#) ▶ [Quiz 1 W2019 \(Covers Chapters 1, 2, 3\) - January 24th, 2019 at 16:00 until January 27th at 15:59.](#)

QUIZ NAVIGATION



[Show one page at a time](#)

[Finish review](#)

Started on	Sunday, 27 January 2019
State	Finished
Completed on	Sunday, 27 January 2019
Time taken	30 mins 19 secs
Marks	15.00/15.00
Grade	10.00 out of 10.00 (100%)

Question 1

Complete

Mark 1.00 out of 1.00

[Flag question](#)

A company collected the ages from a random sample of its middle managers, with the resulting frequency distribution shown below.

<i>Class Interval</i>	<i>Frequency</i>
20 to < 25	8
25 to < 30	6
30 to < 35	5
35 to < 40	12
40 to < 45	15
45 to < 50	7

What is the midpoint of the third class interval?

Select one:

- A. None of the answers are correct
- B. 32.5
- C. 42.5
- D. 22.5
- E. 37.5

The correct answers are: 32.5, None of the answers are correct

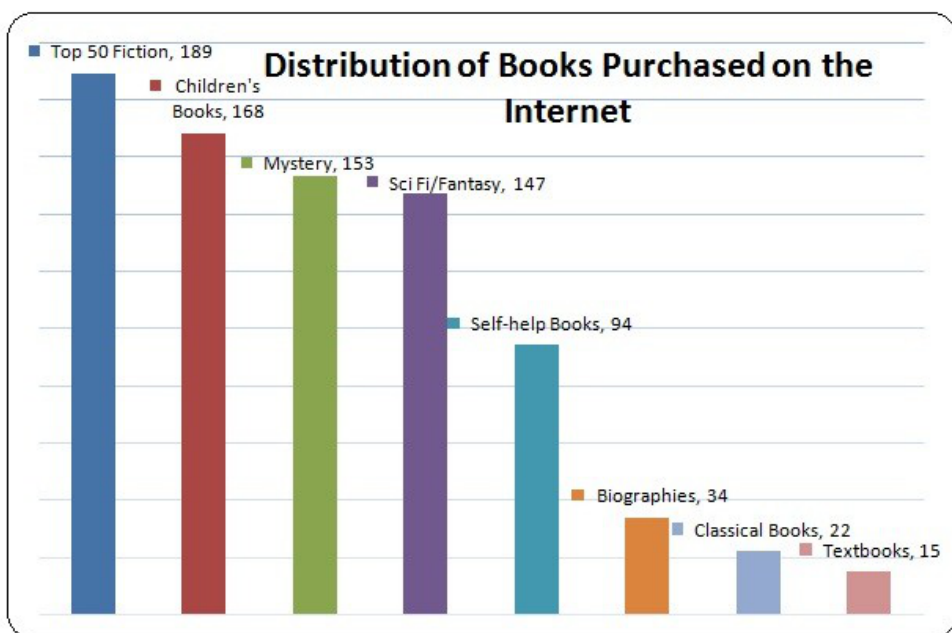
Question 2

Complete

Mark 1.00 out of 1.00

[Flag question](#)

822 customers were randomly selected from those who had recently bought a book over the Internet. The chart below shows the breakdown of the classification of the book type.



What percentage of the books purchased were self-help books?

Select one:

- A. .1144
- B. 11.44
- C. 0.940
- D. None of the answers are correct
- E. 1.82

The correct answer is: 11.44

Question 3

Complete

Mark 1.00 out of 1.00

Flag question

A(n) _____ variable can have values that indicate into which of several categories of a population it belongs.

Select one:

- A. ratio
- B. interval
- C. quantitative
- D. None of the answers are correct
- E. qualitative

The correct answer is: qualitative

Question 4

Complete

Mark 1.00 out of 1.00

The local amusement park was interested in the average wait time at their most popular roller coaster at the peak park time (2 p.m.). They selected 13 patrons and had them get in line between 2 and 3 p.m. Each was given a stopwatch to record the time they spent in line. The times recorded were as follows (in minutes).

Flag question

118, 124, 180, 161, 199, 120, 140, 181, 191, 119, 54, 130, 118.

What is the IQR?

Select one:

- a. 103
- b. 61
- c. 28
- d. 7
- e. 5

The correct answer is: 61

Question 5

Complete

Mark 1.00 out of 1.00

Flag question

The following is a partial relative frequency distribution of grades in an introductory statistics course.

Grade	Relative Frequency
A	.22
B	?
C	.18
D	.17
F	.06

Find the relative frequency for the B grade.

Select one:

- A. .65
- B. .78
- C. None of the answers are correct
- D. .27
- E. .37

The correct answer is: .37

Question 6

Complete

Mark 1.00 out of 1.00

Flag question

According to a survey of the top 10 employers in a major city in the Midwest, a worker spends an average of 413 minutes a day on the job. Suppose the standard deviation is 26.8 minutes, and the time spent is approximately a normal distribution.

What are the times within which approximately 68.26 percent of all workers will fall?

Select one:

- a. [372.8, 453.2]
- b. [359.4, 466.6]
- c. [386.2, 439.8]
- d. [332.6, 493.4]

e. [394.8, 431.2]

The correct answer is: [386.2, 439.8]

Question 7

Complete

Mark 1.00 out of 1.00

Flag question

The following is a relative frequency distribution of grades in an introductory statistics course.

Grade	Relative Frequency
A	.22
B	.37
C	.18
D	.17
F	.06

If we wish to depict these data using a pie chart, find how many degrees should be assigned to the highest grade of A.

Select one:

- a. 79.2
- b. 22.0
- c. 61.1
- d. 212.40
- e. 90.0

The correct answer is: 79.2

Question 8

Complete

Mark 1.00 out of 1.00

Flag question

A local electronics retailer recently conducted a study on purchasers of large screen televisions. The study recorded the type of television and the credit account balance of the customer at the time of purchase. They obtained the following results.

Credit Balance	LED	LCD	Plasma	Projection
Under \$200	10	16	40	5
\$200–\$800	8	12	24	15
Over \$800	16	12	16	30
Total	34	40	80	50

What percentage of the customers had the highest credit balances and purchased an LCD television?

Select one:

- a. 16.20
- b. 56.30

c. 36.30

d. 5.90


e. 19.60

The correct answer is: 5.90

Question 9

Complete

Mark 1.00 out of 1.00

 Flag question

A _____ variable can have values that are numbers on the real number line.

Select one:

a. nominative

b. categorical

c. quantitative


d. qualitative

The correct answer is: quantitative

Question 10

Complete

Mark 1.00 out of 1.00

 Flag question

A histogram that tails out toward larger values is _____.

Select one:

A. skewed to the left

B. normal

C. skewed to the right

D. None of the answers are correct


E. a scatter plot

The correct answer is: skewed to the right

Question 11

Complete

Mark 1.00 out of 1.00

 Flag question

According to Chebyshev's Theorem, a range of how many standard deviations would include at least 80 percent of the values?

Select one:

A. 2.5

B. 2.2

C. 1.6

D. 2.0

E. None of the answers are correct

The correct answer is: 2.2

Question 12

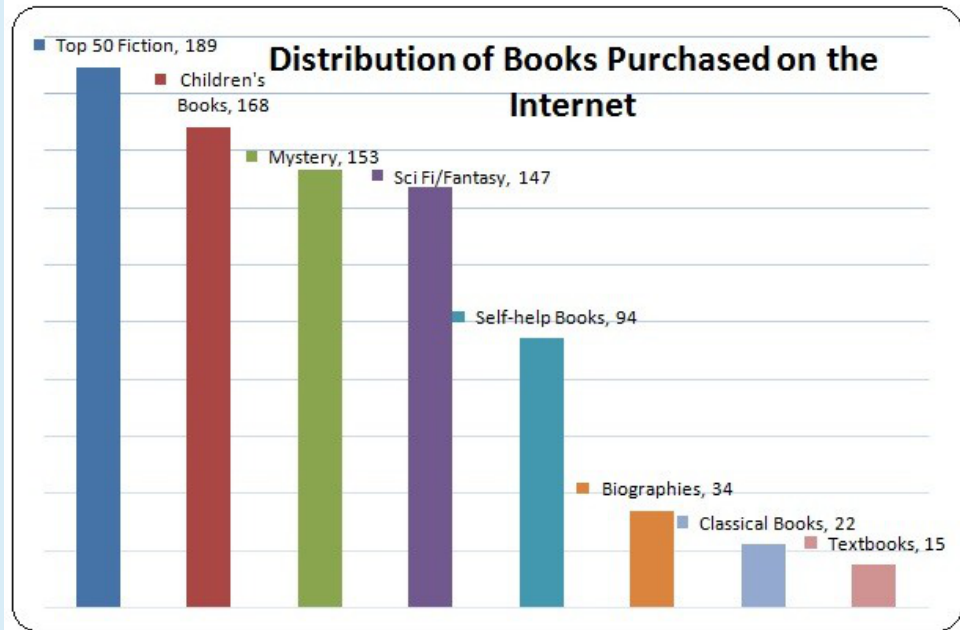
Complete

822 customers were randomly selected from those who had recently bought a

Mark 1.00 out of 1.00

Flag question

book over the Internet. The chart below shows the breakdown of the classification of the book type.



What percentage of the books purchased were either mystery or science fiction/fantasy?

Select one:

- A. 22.99
- B. 36.50
- C. None of the answers are correct
- D. 17.88
- E. 18.61

The correct answer is: 36.50

Question 13

Complete

Mark 1.00 out of 1.00

Flag question

In a statistics class, the following 8 scores were randomly selected: 74, 73, 77, 77, 71, 65, 77, 66.

What is the mean?

Select one:


- A. 77.0
- B. 72.5
- C. None of the answers are correct
- D. 72.0
- E. 71.5

The correct answer is: 72.5

Question 14

Complete

Mark 1.00 out of 1.00

 Flag question

The number of weekly sales calls by a sample of 25 pharmaceutical salespersons is below.

24, 56, 43, 35, 37, 27, 29, 44, 34, 28, 33, 28, 46, 31, 38, 41, 48, 38, 27, 29, 37, 33, 31, 40, 50

What is the shape of the distribution of the data?

Select one:


- A. None of the answers are correct
- B. bimodal
- C. normal
- D. skewed with tail to the right
- E. skewed with tail to the left

The correct answer is: skewed with tail to the right

Question 15

Complete

Mark 1.00 out of 1.00

 Flag question

A set of all elements we wish to study is called a _____.

Select one:

- A. sample
- B. census
- C. population
- D. None of the answers are correct
- E. process

The correct answer is: population

[Finish review](#)