## https://selldocx.com/products

1. What is the stablantabasentiales objected is the stable of the stable

X	f
4	7
3	5
2	4
1	2

a. 4
b. 10
c. 18
d. 39

ANSWER: c

DIFFICULTY: Understand

REFERENCES: 2.1 Frequency Distributions and Frequency Distribution Tables

KEYWORDS: Bloom's: Understand

2. A sample of n = 12 scores ranges from a high of X = 7 to a low of X = 4. If these scores are placed in a frequency distribution table, how many X values will be listed in the first column?

a.	4
b.	12
c.	3
А	7

ANSWER:

DIFFICULTY: Understand

REFERENCES: 2.1 Frequency Distributions and Frequency Distribution Tables

KEYWORDS: Bloom's: Understand

3. For the following data, N =

5.10		7110 11 11	15 aaaa,	- T	·
<u>X</u>	<u>f</u>				
4	2				
3	3				
2	1				
1	2				

a. 8.b. 10.c. 20.d. 18.

ANSWER: a

DIFFICULTY: Understand

REFERENCES: 2.1 Frequency Distributions and Frequency Distribution Tables

KEYWORDS: Bloom's: Understand

4. For the data in the following table, what is the value of  $\Sigma X$ ?

$X_{-}$	f
4	1
3	0
2	2

1 1

a. 4
b. 9
c. 10
d. 13

ANSWER: b

DIFFICULTY: Understand

REFERENCES: 2.1 Frequency Distributions and Frequency Distribution Tables

KEYWORDS: Bloom's: Understand

5. For the scores in the following table, what is the value of  $\Sigma X^2$ ?

X	f
3	1
2	2
1	4

a. 23
b. 15
c. 11
d. 21

ANSWER: d

DIFFICULTY: Understand

REFERENCES: 2.1 Frequency Distributions and Frequency Distribution Tables

KEYWORDS: Bloom's: Understand

6. For the following frequency distribution of quiz scores, how many individuals took the quiz?

<u>X</u>	<u>t</u>
5	6
4	5
3	5
2	3
1	2

a. 5
b. 21
c. 15
d. 14

ANSWER: b

DIFFICULTY: Understand

REFERENCES: 2.1 Frequency Distributions and Frequency Distribution Tables

KEYWORDS: Bloom's: Understand

7. For the following distribution of quiz scores, if a score of X = 4 or lower is a failing grade, how many individuals failed the quiz?

 $\frac{X}{6}$   $\frac{f}{3}$   $\frac{5}{6}$   $\frac{6}{4}$   $\frac{5}{5}$ 

5 2 3 1 2 9 a. 14 b. 10 c. d. 15 ANSWER: d DIFFICULTY: Understand *REFERENCES:* 2.1 Frequency Distributions and Frequency Distribution Tables KEYWORDS: Bloom's: Understand 8. For the following distribution of quiz scores, how many individuals had a score of X = 4? 1 5 6 3 4 2 2 1 2 4 a. 2 b. 5 c. d. ANSWER: DIFFICULTY: Understand REFERENCES: 2.1 Frequency Distributions and Frequency Distribution Tables KEYWORDS: Bloom's: Understand 9. A researcher surveys a sample of n = 10 adults and asks them to indicate their favorite day of the week. If the data were

organized in a frequency distribution table, what would be included in the first column?

a list of students a.

a list of days of the week b.

a list of frequencies c.

d. a list of averages

ANSWER: b

DIFFICULTY: Apply

2.1 Frequency Distributions and Frequency Distribution Tables *REFERENCES*:

KEYWORDS: Bloom's: Apply

10. A researcher surveys a sample of n = 20 college students and asks each person to identify their favorite movie. If the data were organized in a frequency distribution table, what would be included in the last column?

> a list of movies a.

b. a list of students

a list of frequencies

a list of averages d. ANSWER: c DIFFICULTY: Apply REFERENCES: 2.1 Frequency Distributions and Frequency Distribution Tables KEYWORDS: Bloom's: Apply 11. A set of scores ranges from a high of X = 63 to a low of X = 28. If these scores were put in a grouped frequency distribution table, what would be the best choice for the interval width? 2 points a. 5 points b. 7 points c. 10 points d. ANSWER: h Analyze DIFFICULTY: REFERENCES: 2.2 Grouped Frequency Distribution Tables KEYWORDS: Bloom's: Analyze 12. A set of scores ranges from a high of X = 18 to a low of X = 5. If these scores were put in a grouped frequency distribution table with an interval width of 2 points, which of the following would be the top interval in the table? 4-5 a. 5-6 b. c. 18-19 17-18 d. ANSWER: c DIFFICULTY: Apply REFERENCES: 2.2 Grouped Frequency Distribution Tables KEYWORDS: Bloom's: Apply 13. Which of the following is not an appropriate interval width to use when constructing a grouped frequency distribution table. 5 points a. b. 2 points 4 points c. d. 10 points ANSWER: Understand DIFFICULTY: *REFERENCES:* 2.2 Grouped Frequency Distribution Tables KEYWORDS: Bloom's: Understand 14. Using the frequency distribution table below, what is the proportion of individuals that scored a 4? X f 6 4 5 3

4

3

7

2

2 2 1 2

a. .2

b. .7

c. .35

.1

ANSWER: c

DIFFICULTY: Understand

REFERENCES: 2.1 Frequency Distributions and Frequency Distribution Tables

KEYWORDS: Bloom's: Understand

- 15. Which statement below is correct regarding a grouped frequency distribution table?
  - a. The  $\sum f$  cannot be determined.
  - b. The  $\sum x$  cannot be determined.
  - c. Interval widths should be restricted to either 10 or 20.

d.

d. The bottom score in each class interval should be divisible by 5.

ANSWER: b

DIFFICULTY: Understand

REFERENCES: 2.2 Grouped Frequency Distribution Tables

KEYWORDS: Bloom's: Understand

16. For the following grouped frequency distribution table of exam scores, how many students had scores higher than X = 54?

<u>X</u>	<u>f</u>
60-64	3
55-59	4
50-54	5
45-49	2
40-44	1

a. 7

b. 12

c. 8

d. 3

ANSWER: a

DIFFICULTY: Understand

REFERENCES: 2.2 Grouped Frequency Distribution Tables

KEYWORDS: Bloom's: Understand

17. For the following grouped frequency distribution table of exam scores, what is the lowest score on the exam?

X	f
90-99	3
80-89	1

70-79 2

a. X = 70

b. X = 74

c. X = 90

d. Cannot be determined

ANSWER: d

DIFFICULTY: Understand

*REFERENCES:* 2.2 Grouped Frequency Distribution Tables

KEYWORDS: Bloom's: Understand

18. For the following grouped frequency distribution table of exam scores, how many students had scores lower than X = 75?

<u>X</u>	<u>f</u>
95-99	6
90-94	3
85-89	4
80-84	5
75-79	2
70-74	1

a. 2

b. 3

c. 6

1

ANSWER: d

DIFFICULTY: Understand

REFERENCES: 2.2 Grouped Frequency Distribution Tables

d.

KEYWORDS: Bloom's: Understand

19. In a grouped frequency distribution table, one interval is listed as 35-39. If the scores represent a continuous variable, what are the real limits for this interval?

a. 34.5 and 39.5

b. 35.5 and 39.5

c. 34 and 40

d. 35.25 and 39.25

ANSWER: a

DIFFICULTY: Apply

REFERENCES: 2.2 Grouped Frequency Distribution Tables

KEYWORDS: Bloom's: Apply

20. For the following grouped frequency distribution table, how many people had scores less than X = 14?

$$\frac{X}{30-34}$$
  $\frac{f}{3}$ 

25-29 2 20-24 2 15-19 5 10-14 4 5-9 1

a. 5b. 1c. 12

d. Cannot be determined

ANSWER: d

DIFFICULTY: Understand

REFERENCES: 2.2 Grouped Frequency Distribution Tables

KEYWORDS: Bloom's: Understand

21. Percentile ranks are closely tied to which of the following terms?

a. stem and leaf displays

b.  $\Sigma f$ 

c. cumulative percentages

d.  $\Sigma X$ 

ANSWER:

DIFFICULTY: Understand

REFERENCES: 2.1 Frequency Distributions and Frequency Distribution Tables

KEYWORDS: Bloom's: Understand

22. For the following grouped frequency distribution table, how many people have scores greater than X = 45?

<u>X</u>	<u>f</u>
60-69	4
50-59	3
40-49	7
30-39	2

a. 2b. 4c. 7

d. cannot be determined

ANSWER:

DIFFICULTY: Understand

REFERENCES: 2.2 Grouped Frequency Distribution Tables

KEYWORDS: Bloom's: Understand

23. For the following grouped frequency distribution table, what is the width of each class interval?

 $\frac{x}{20-29}$   $\frac{1}{2}$  30-39 5

a. 9

b. 10

c. 5

d. 2

ANSWER: b

DIFFICULTY: Understand

REFERENCES: 2.2 Grouped Frequency Distribution Tables

KEYWORDS: Bloom's: Understand

24. If the following grouped frequency distribution table pertaining to a continuous variable were shown in a histogram, the width of the bar above the 15-19 interval would reach from \_\_\_\_\_ to \_\_\_\_.

X	f
20-24	2
15-19	5
10-14	4
5-9	1

a. 
$$X = 14.5$$
 to  $X = 19.5$ 

b. 
$$X = 15.5$$
 to  $X = 18.5$ 

c. 
$$X = 15.5$$
 to  $X = 19.5$ 

d. 
$$X = 15.0$$
 to  $X = 19.0$ 

ANSWER: a

DIFFICULTY: Apply

*REFERENCES:* 2.3 Frequency Distribution Graphs

KEYWORDS: Bloom's: Apply

25. In a frequency distribution graph, frequencies are presented on the \_\_\_\_\_ and the scores (categories) are listed on the

\_\_\_\_

- a. X axis; Y axis.
- b. horizontal line; vertical line.
- c. Y axis; X axis.
- d. class interval; axis.

ANSWER:

DIFFICULTY: Remember

*REFERENCES:* 2.3 Frequency Distribution Graphs

KEYWORDS: Bloom's: Remember

- 26. Which type(s) of frequency distribution graph(s) should be used for data that come from an interval scale of measurement?
  - a. histograms or bar graphs
  - b. bar graphs

- c. histograms or polygons
- d. histograms, bar graphs, or polygons

ANSWER:

DIFFICULTY: Understand

*REFERENCES:* 2.3 Frequency Distribution Graphs

KEYWORDS: Bloom's: Understand

- 27. Which type(s) of frequency distribution graph(s) should be used for data that come from a nominal scale of measurement?
  - a. histograms
  - b. bar graphs
  - c. histograms or bar graphs
  - d. bar graphs or polygons

ANSWER: b

DIFFICULTY: Understand

*REFERENCES:* 2.3 Frequency Distribution Graphs

KEYWORDS: Bloom's: Understand

- 28. If a distribution of scores is shown in a bar graph, the scores were measured using a(n) scale of measurement.
  - a. nominal or ordinal
  - b. ordinal or interval
  - c. interval or ratio
  - d. nominal or interval

ANSWER:

DIFFICULTY: Apply

*REFERENCES:* 2.3 Frequency Distribution Graphs

KEYWORDS: Bloom's: Apply

29. A researcher surveys a sample of n = 200 college students and asks each person to identify their favorite movie. Which kind of graph should be used to present these results?

a. histogramb. polygonc. pie chart

d. bar graph

ANSWER: d

DIFFICULTY: Apply

*REFERENCES:* 2.3 Frequency Distribution Graphs

KEYWORDS: Bloom's: Apply

- 30. A researcher collects a sample of n = 20 Introductory Psychology textbooks and records the number of pages in each book. The results are then placed in a grouped frequency distribution table using intervals of 0-99 pages, 100-199 pages, 200-299 pages, and so on. If the results were converted into a frequency distribution graph, which kind of graph(s) would be appropriate?
  - a. a bar graph

	c.	a histogram	
	d.	a histogram or	polygon
ANSWER:			d
DIFFICULTY	<i>Y</i> :		Apply
REFERENCES:			2.3 Frequency Distribution Graphs
KEYWORDS:			Bloom's: Apply
that 7% of the	fish caug	ht during this p	types of fish caught in a local lake during a 2- year period. The biologist reports eriod were trout, whereas 43% of the fish caught were bass. These reports of the examples of
	a.	cumulative fre	equencies.
	b.	percentile rank	KS.
	c.	relative freque	encies.
	d.	smooth curves	3.
ANSWER:			c
DIFFICULTY	<i>Y</i> :		Apply
REFERENCE	ES:		2.3 Frequency Distribution Graphs
KEYWORDS:			Bloom's: Apply
	-	- '	B, C, D, F) for each individual in a class of $N = 26$ students, the professor would a frequency distribution graph. Which kind of graph should be used? bar graph
		b.	histogram
		c.	polygon
		d.	pie chart
ANSWER:			a
DIFFICULTY	<i>Y</i> :		Apply
REFERENCE	ES:		2.3 Frequency Distribution Graphs
KEYWORDS:			Bloom's: Apply
33. What is the $\frac{X}{6} \frac{f}{6}$ 4 5 5 4 1 3 3 2 6 1 1	e percenti	ile rank for a sco	ore of 4 in the frequency distribution table below?
		a.	45th
		b.	60th
		c.	50th
		d.	55th
ANSWER:		d	

b.

a histogram or bar graph

DIFFICULTY: Understand

REFERENCES: 2.1 Frequency Distributions and Frequency Distribution Tables

KEYWORDS: Bloom's: Understand

34. If a set of scores for a variable is displayed in a frequency distribution polygon, which scale of measurement was used to measure the variable?

a. nominal or ordinalb. ordinal or interval

c. ratio or ordinal

d. interval or ratio

ANSWER: d

DIFFICULTY: Understand

*REFERENCES:* 2.3 Frequency Distribution Graphs

KEYWORDS: Bloom's: Understand

35. A frequency distribution graph represents frequencies associated with scores for a variable with vertical bars that have space between them. Which scale of measurement was used to measure this variable?

a. nominalb. ordinalc. intervald. ratio

ANSWER: a

DIFFICULTY: Understand

*REFERENCES:* 2.3 Frequency Distribution Graphs

KEYWORDS: Bloom's: Understand

36. If a set of scores is displayed using a smooth curve, which scale of measurement was used to measure the scores?

a. nominal

b. interval

c. nominal or ordinald. interval or ratio

ANSWER: d

DIFFICULTY: Understand

*REFERENCES:* 2.3 Frequency Distribution Graphs

KEYWORDS: Bloom's: Understand

37. For the scores shown in the following stem and leaf display, what is the highest score in the distribution?

Stem and L	eaf Display
4	159
3	098
2	89103
1	39

a. 43

b. 49c. 13

d. 159

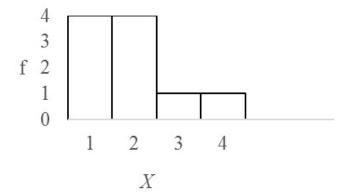
ANSWER: b

DIFFICULTY: Understand

*REFERENCES*: 2.4 Stem and Leaf Displays

KEYWORDS: Bloom's: Understand

38. How many individual scores are in the following distribution?



a.

N = 5

b.

N = 6

c.

N = 10

d.

N = 4

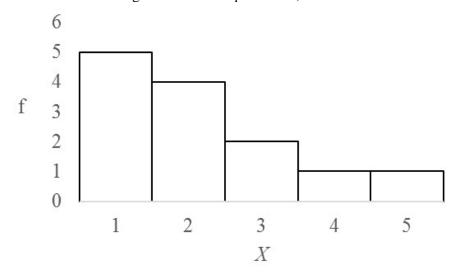
ANSWER: c

DIFFICULTY: Understand

REFERENCES: 2.3 Frequency Distribution Graphs

KEYWORDS: Bloom's: Understand

39. For the following distribution of quiz scores, what is  $\Sigma X$ ?



	a.	28	
	b.	15	
	c.	23	
	d.	10	
ANSWER:	a		
DIFFICULTY:	Understa	nd	
REFERENCES:	2.3 Frequ	uency Distribution Graphs	
KEYWORDS:	Bloom's:	: Understand	
40. The normal distribution is a	n example of a	·	
a. histogram show	ing data from a sam	iple.	
b. polygon showing	g data from a samp	le.	
c. bar graph showi	ng data from a popi	ulation.	
d. smooth curve sh	nowing data from a	population.	
ANSWER:	d		
DIFFICULTY:	Rememb	er	
REFERENCES:	2.3 Frequ	uency Distribution Graphs	
KEYWORDS:	Bloom's:	: Remember	
symmetrical distribution, what	can be concluded al		s a
a. Most of the students ha			
b. Most of the students ha			
•		latively high and relatively low scores.	
d. A substantial number o scores.	f students had very	high scores and a substantial number of students had very low	
ANSWER:	c		
DIFFICULTY:	Apply		
REFERENCES:	2.3 Frequ	uency Distribution Graphs	
KEYWORDS:	Bloom's:	: Apply	
42. If a set of exam scores form scores?	ıs a negatively skev	wed distribution, what can you likely conclude about the students'	
a. Most of the students ha	ad relatively high se	cores.	
b. Most of the students ha	ad relatively low sc	cores.	
c. About an equal number	r of students had re	elatively high and relatively low scores.	
d. It is not possible to dra	w any conclusions	about students' scores with this information.	
ANGINED			

- 42. If a set of exam scores forms a scores?
  - a. Most of the students had
  - b. Most of the students had
  - c. About an equal number o
  - d. It is not possible to draw

ANSWER:

DIFFICULTY:

REFERENCES: 2.3 Frequency Distribution Graphs

KEYWORDS: Bloom's: Apply

43. Which term is used to describe the shape of a frequency distribution graph in which most scores pile up on the lefthand side of the graph and taper off to the right?

symmetrical a. positively skewed b. negatively skewed c. d. normal ANSWER: b DIFFICULTY: Apply 2.3 Frequency Distribution Graphs REFERENCES: KEYWORDS: Bloom's: Apply 44. Which of the following statements pertaining to skewed and normal distributions is correct? a. A skewed distribution tends to have lower scores, and a normal distribution tends to have higher scores. b. A skewed distribution tends to have higher scores, and a normal distribution tends to have lower scores. c. A skewed distribution tends to have two tails, and a normal distribution tends to have one tail. d. A skewed distribution tends to have one tail, and a normal distribution tends to have two tails. d ANSWER: DIFFICULTY: Remember REFERENCES: 2.3 Frequency Distribution Graphs **KEYWORDS:** Bloom's: Remember 45. The students in a psychology class seem to think that the midterm exam was very difficult. If they are correct, what is the most likely shape for the distribution of exam scores? symmetrical a. b. positively skewed negatively skewed c. d. normal ANSWER: b DIFFICULTY: Apply REFERENCES: 2.3 Frequency Distribution Graphs KEYWORDS: Bloom's: Apply 46. In a frequency distribution graph with negative skew, scores with the highest frequencies are of the distribution. on the right side a. b. on the left side in the middle c. d. represented at two distinct peaks

ANSWER: a

DIFFICULTY: Understand

*REFERENCES:* 2.3 Frequency Distribution Graphs

KEYWORDS: Bloom's: Understand

47. What is the shape of the distribution for the following set of data? Scores: 1, 1, 1, 1, 1, 2, 2, 2, 3, 3, 4, 5

a. symmetrical

	b.	positively	skewed
	c.	negatively	skewed
	d.	normal	
ANSWER:			b
DIFFICULTY:			Apply
REFERENCES.			2.3 Frequency Distribution Graphs
KEYWORDS:			Bloom's: Apply
18 What is the s	hane of the	fraguency (	distribution for the following set of data?
	nape of the	inequency (	distribution for the following set of data:
$\frac{X}{5}\frac{f}{5}$			
4 4			
3 2 2 2			
1 1			
	a.	symmetric	al
	b.	positively	skewed
	c.	negatively	skewed
	d.	normal	
ANSWER:			c
DIFFICULTY:			Apply
REFERENCES.			2.3 Frequency Distribution Graphs
KEYWORDS:			Bloom's: Apply
40 What is the s	hama af tha	facou on ove	distribution for the following set of data recording students' seems on a 10 item
quiz?	nape of the	riequency (	distribution for the following set of data regarding students' scores on a 10-item
$\underline{X}\underline{\mathbf{f}}$			
9 1			
8 1 7 3			
66			
5 6			
	a.	symmetric	al
	b.	positively	skewed
	c.	negatively	skewed
	d.	normal	
ANSWER:			b
DIFFICULTY:			Apply
REFERENCES.			2.3 Frequency Distribution Graphs
KEYWORDS:			Bloom's: Apply
50. Compared to every individual			listribution table, a stem and leaf plot offers the advantage of being able to identify
•		a.	True
		b.	False

ANSWER:		True
DIFFICULTY:		Understand
REFERENCES:		2.4 Stem and Leaf Displays
KEYWORDS:		Bloom's: Understand
51. A group of quiz s distribution table, $X = \frac{1}{2}$		to 10, but no student had a score of $X = 7$ . If the scores are put in a frequency ed in the $X$ column.
	a.	True
	b.	False
ANSWER:	False	
DIFFICULTY:	Apply	
REFERENCES:	2.1 Frequency	y Distributions and Frequency Distribution Tables
KEYWORDS:	Bloom's: App	oly
52. It is customary to	list the score categor	ories in a frequency distribution table from the highest down to the lowest.
•	a.	True
	b.	False
ANSWER:	True	
DIFFICULTY:	Remember	
REFERENCES:	2.1 Frequency	y Distributions and Frequency Distribution Tables
KEYWORDS:	Bloom's: Ren	nember
53. For the distribution $\frac{X f}{52}$ 45 33 28	on shown in the table	e below, 60% of scores are less than $X = 3$ .
	a.	True
	b.	False
ANSWER:	True	
DIFFICULTY:	Understand	
REFERENCES:	2.1 Frequency	y Distributions and Frequency Distribution Tables
KEYWORDS:	Bloom's: Und	lerstand
54. For the following <u>Y f</u> 5 4 4 4 3 6 2 4 1 2	frequency distribut	ion of quiz scores, 10% of students have scores of $X = 2$ .
	a.	True

b.

False

ANSWER: False

DIFFICULTY: Understand

REFERENCES: 2.1 Frequency Distributions and Frequency Distribution Tables

KEYWORDS: Bloom's: Understand

55. For the following distribution of scores, 80% of individuals scored either a 2 or greater than 2.

 $X \underline{f}$ 

5 4

43

36

2 3

1 4

a. True

b. False

ANSWER: True

DIFFICULTY: Understand

REFERENCES: 2.1 Frequency Distributions and Frequency Distribution Tables

KEYWORDS: Bloom's: Understand

56. For the following distribution of scores that come from a continuous variable, the upper real limit for the interval that includes X = 2 is 2.

 $\underline{X}\underline{\mathbf{f}}$ 

 $\frac{-}{5}$   $\frac{-}{3}$ 

42

3 5

2 1

1 3

a. True

b. False

ANSWER: False

DIFFICULTY: Understand

REFERENCES: 2.1 Frequency Distributions and Frequency Distribution Tables

KEYWORDS: Bloom's: Understand

57. A grouped frequency distribution table lists one interval as 15-20. The width of this interval is 5 points.

a. True

b. False

ANSWER: False

DIFFICULTY: Understand

REFERENCES: 2.2 Grouped Frequency Distribution Tables

KEYWORDS: Bloom's: Understand

58. Consider the following scores: 15, 33, 41, 29, 18, 47, 21, 26. The stem and leaf display below accurately represents these scores.

## Stem and Leaf Display

1 58 2 916 3 3 4 17

a. Trueb. False

ANSWER: True DIFFICULTY: Apply

REFERENCES: 2.4 Stem and Leaf Displays

KEYWORDS: Bloom's: Apply

59. In a grouped frequency distribution table, scores range from X = 15 to X = 52 with class interval widths of 5. The bottom class interval should be 15-19..

a. True

b. False

ANSWER: True DIFFICULTY: Apply

REFERENCES: 2.2 Grouped Frequency Distribution Tables

KEYWORDS: Bloom's: Apply

60. If a set of scores covers a range of 70 points, then the grouped frequency table for the scores should use an interval width of 7 points.

a. Trueb. False

ANSWER: False DIFFICULTY: Apply

REFERENCES: 2.2 Grouped Frequency Distribution Tables

KEYWORDS: Bloom's: Apply

61. A set of scores ranges from X = 13 to X = 73. If the scores were put in a grouped frequency distribution table with an interval width of 10 points, the top interval would be 73-82.

a. Trueb. False

ANSWER: False DIFFICULTY: Apply

REFERENCES: 2.2 Grouped Frequency Distribution Tables

KEYWORDS: Bloom's: Apply

62. In a grouped frequency distribution table, the bottom value in each class interval should be a multiple of the interval width.

a. Trueb. False

ANSWER: True

DIFFICULTY: Understand

REFERENCES: 2.2 Grouped Frequency Distribution Tables

KEYWORDS: Bloom's: Understand

63. A set of quiz scores ranges from a low of X = 58 to a high of X = 93. If the scores are place in a grouped frequency distribution table with an interval width of 5 points, the bottom interval should be 55-60.

a. True

b. False

ANSWER: False DIFFICULTY: Apply

REFERENCES: 2.2 Grouped Frequency Distribution Tables

KEYWORDS: Bloom's: Apply

64. Consider that a sample of individuals each report how many siblings they have, and this data is then put into a grouped frequency distribution table. This grouped frequency distribution table will not provide enough information to obtain a complete listing of the original responses of individuals.

a. True

b. False

ANSWER: True DIFFICULTY: Apply

REFERENCES: 2.2 Grouped Frequency Distribution Tables

KEYWORDS: Bloom's: Apply

65. This grouped frequency distribution appropriately adheres to the guidelines pertaining to creating grouped frequency distribution tables.

<u>X</u>	<u>f</u>
25-29	1
20-24	6
15-19	5
10-14	8
5-9	3
0-4	2

a. Trueb. False

ANSWER: True DIFFICULTY: Apply

REFERENCES: 2.2 Grouped Frequency Distribution Tables

KEYWORDS: Bloom's: Apply

66. In general, more information is lost in a grouped frequency distribution table that has class intervals with a width of 10 than a grouped frequency distribution table that has class intervals with a width of 5.

a. True

b. False

ANSWER: True

DIFFICULTY: Understand

REFERENCES: 2.2 Grouped Frequency Distribution Tables

KEYWORDS: Bloom's: Understand

			who are absent each day for the semester. Given the scale of measurement should be used to show the frequency distribution.
	a.		True
	b.		False
ANSWER:		False	
DIFFICULTY:		Apply	
REFERENCES:		2.3 Fre	equency Distribution Graphs
KEYWORDS:		Bloom	a's: Apply
68. Smooth curves and a	relative frequ	iencies are	more often used to describe population than sample data.
	a.		True
	b.		False
ANSWER:		True	
DIFFICULTY:		Under	stand
REFERENCES:		2.3 Fre	equency Distribution Graphs
KEYWORDS:		Bloom	s: Understand
			nes that the Minnesota Twins finished 1 <sup>st</sup> , 2 <sup>nd</sup> , 3 <sup>rd</sup> , 4 <sup>th</sup> , or 5 <sup>th</sup> in their lts are presented in a frequency distribution graph, then a histogram should
	a.		True
	b.		False
ANSWER:		False	
DIFFICULTY:		Apply	
REFERENCES:		2.3 Frequency Distribution Graphs	
KEYWORDS:		Bloom	a's: Apply
70. No space is left betw	veen adjacen	t bars in a l	nistogram.
	a.		True
	b.		False
ANSWER:		True	
DIFFICULTY:		Remer	nber
REFERENCES:		2.3 Frequency Distribution Graphs	
KEYWORDS:		Bloom's: Remember	
			a low of 5 is organized into a grouped frequency distribution table using is shown in a graph, then a bar graph should be used.
•	a.		True
	b.		False
ANSWER:		False	
DIFFICULTY:		Apply	
REFERENCES:		2.3 Fre	equency Distribution Graphs
KEYWORDS:		Bloom's: Apply	

	oom during tl	spring semester. If the resu	m 200 to 210. The department chair records the number alts needed to be presented in a frequency distribution
graph, the professor sho	a.	True	
	b.	False	
ANSWER:		True	
DIFFICULTY:		Apply	
REFERENCES:		2.3 Frequency Distribu	tion Graphs
KEYWORDS:		Bloom's: Apply	-
73. Consider the follow 0, 0, and 5 should be cre		aining to a data set: 12, 30,	40, 25. To complete a stem and leaf display, leaves of 2,
	a.	True	
	b.	False	
ANSWER:		True	
DIFFICULTY:		Apply	
REFERENCES:		2.4 Stem and Lea	f Displays
KEYWORDS:		Bloom's: Apply	
74. A bar graph is const	ructed so that	ndjacent bars touch.	
	a.	True	
	b.	False	
ANSWER:		False	
DIFFICULTY:		Remember	
REFERENCES:		2.3 Frequency Distribu	tion Graphs
KEYWORDS:		Bloom's: Remember	
75. A distribution of sec distribution.	ores on a driv	's license test forms is norm	nally shaped. This is an example of a symmetrical
	a.	True	
	b.	False	
ANSWER:		True	
DIFFICULTY:		Apply	
REFERENCES:		2.3 Frequency Distribu	tion Graphs
KEYWORDS:		Bloom's: Apply	-
- C			high with only a few relatively cool days. A frequency for August would probably form a negatively skewed
	a.	True	
	b.	False	
ANSWER:		True	
DIFFICULTY:		Apply	
REFERENCES:		2.3 Frequency Distribu	tion Graphs

Bloom's: Apply

KEYWORDS:

77. Consider the fo 1, 3, and 9 should b		es pertaining to	o a data set: 22, 31, 43, 19. To complete a stem and leaf display, stems of 2,
1, 5, and 9 should t		a.	True
		b.	False
ANSWER:	,	J.	False
DIFFICULTY:			Apply
REFERENCES:			2.4 Stem and Leaf Displays
KEYWORDS:			Bloom's: Apply
KEIWOKDS.			Bloom 8. Apply
78. Consider the faccurately depicts	_	ores: 10, 19, 2	21, 28, 26, 22, 30, 15, 18, 20. The stem and leaf display below
Stem and	l leaf display	ý	
1	0958	<del>-</del>	
2	08620		
3	1		
		a.	True
	1	b.	False
ANSWER:			False
<i>DIFFICULTY:</i>			Apply
REFERENCES:			2.4 Stem and Leaf Displays
KEYWORDS:			Bloom's: Apply
79. In a negatively of the distribution.	skewed distr	ibution, scores	either pile up on the left side of the distribution or pile up on the right side
	8	a.	True
	1	b.	False
ANSWER:		False	
DIFFICULTY:			rstand
REFERENCES:			requency Distribution Graphs
KEYWORDS:			n's: Understand
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80. For the scores	shown in th	ne following s	stem and leaf display, how many individuals had scores in the 20s?
Stem and Leaf	Display		
4	674		
3	09817		
2	891652		
1	39		
			a. 1.
			b.
			c.

d.

b

Understand

ANSWER:

DIFFICULTY:

KEYWORDS:

Bloom's: Understand

81. A set of scores ranges from a high of X = 45 to a low of X = 11. If these scores were placed in an appropriately designed grouped frequency distribution table, which of the following would be the bottom interval in the table?

a.	40-45
b.	40-44
c.	10-15
d.	10-14

ANSWER:

d

DIFFICULTY:

Y: Apply

REFERENCES:

2.2 Grouped Frequency Distribution Tables

**KEYWORDS**:

Bloom's: Apply

82. Find each value requested for the set of scores in the following frequency distribution table.

a. <i>N</i>	<u>X</u>	<u>f</u>
b. $\Sigma X$	5	3
c. $\Sigma X^2$	4	4
	3	2
	2	1
	1	3

ANSWER:

a. N = 13

b.  $\Sigma X = 42$ c.  $\Sigma X^2 = 164$ 

DIFFICULTY:

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Understand

REFERENCES:

2.1 Frequency Distributions and Frequency Distribution Tables

KEYWORDS:

Bloom's: Understand

83. Briefly explain the appropriate manners in which to graphically represent data measured using a nominal, ordinal, interval, or ratio scale of measurement.

ANSWER:

Data measured using either a nominal or ordinal scale of measurement should be graphically represented using a bar graph. Data measured using either an interval or ratio scale of measurement should be graphically represented using either a histogram or polygon.

DIFFICULTY:

Understand

REFERENCES:

2.3 Frequency Distribution Graphs

KEYWORDS:

Bloom's: Understand

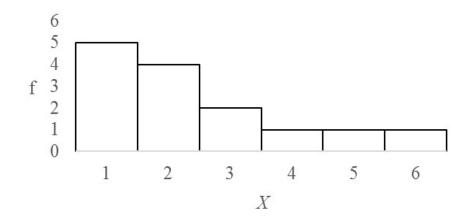
84. For the following scores:

a. Construct a frequency distribution table.

b. Sketch a histogram of the frequency distribution.

ANSWER:

b.



DIFFICULTY: Apply

REFERENCES: 2.3 Frequency Distribution Graphs

KEYWORDS: Bloom's: Apply

85. For the following scores, construct a grouped frequency distribution table using an appropriate width. Based on the table, what is the shape of the distribution?

skewed

62, 73, 91, 92, 90, 94, 87, 81, 68, 80, 92, 85 63, 92, 94, 78, 84, 90, 80, 74, 82, 92, 93, 73

ANSWER:

<u>X</u>	<u>f</u>	Negatively
60-64	2	
65-69	1	
70-74	3	
75-79	1	
80-84	5	
85-89	2	
90-94	10	

DIFFICULTY: Apply

REFERENCES: 2.2 Grouped Frequency Distribution Tables

KEYWORDS: Bloom's: Apply