## QUIZ

Determine whether the given	value is a statistic or a par	rameter.	_	
1) A sample of 120 emp	ployees of a company is sel	ected, and the average ag	e is found to be 37 years.	1)
A) Parameter		B) Statistic		
Determine whether the given	value is from a discrete or	continuous data set.		
<ol><li>The height of 2-year</li></ol>	-old maple tree is 28.3 ft.			2)
A) Discrete		B) Continuous		
Determine which of the four l	evels of measurement (no	minal, ordinal, interval, 1	ratio) is most appropriate.	
3) Salaries of college pr	ofessors.			3)
A) Ordinal	B) Interval	C) Ratio	D) Nominal	
4) Nationalities of survey respondents.			4)	
A) Ratio	B) Ordinal	C) Interval	D) Nominal	
5) The sample of sphere	es categorized from softest	to hardest.		5)
A) Interval	B) Nominal	C) Ratio	D) Ordinal	0)
Identify which of these types (	of sampling is used: rando	m. stratified. systematic.	cluster convenience	
6) A sample consists of	every 49th student from a	group of 496 students	elastely convenience.	6)
A) Convenience	·			•/
B) Random				
C) Systematic				
D) Stratified				
E) Cluster				
7) An education researc	ther randomly selects 48 m	iddle schools and intervie	ews all the teachers at each	7)
school.	·			.,
A) Stratified				
B) Cluster				
C) Convenience				
D) Random				

E) Systematic

## Provide an appropriate response.

8) The following frequency distribution analyzes the scores on a math test. Find the class boundaries of scores interval 40–59.

Scores	Number of students		
40-59	2		
60-75	4		
76-82	6		
83-94	15		
95-99	5		
39.5, 58.5	B) 39.5, 5	59.5 C) 40.5, 58.5	5 D) 40.5, 59
	Scores 40-59 60-75 76-82 83-94 95-99 39.5, 58.5	Scores Number of students   40-59 2   60-75 4   76-82 6   83-94 15   95-99 5   939.5, 58.5 B) 39.5, 58.5	Scores Number of students   40-59 2   60-75 4   76-82 6   83-94 15   95-99 5   939.5, 58.5 B) 39.5, 59.5 C) 40.5, 58.5

## Construct the cumulative frequency distribution that corresponds to the given frequency distribution 9)

Height (inches)	Frequency
69.0 - 71.9	21
72.0 - 74.9	20
75.0 - 77.9	14
78.0 - 80.9	19
81.0 - 83.9	6

A)

	Cumulative
Height (inches)	Frequency
Less than 72.0	21
Less than 75.0	41
Less than 78.0	55
Less than 81.0	74
Less than 84.0	80

C)

	Cumulative
Height (inches)	Frequency
Less than 72.0	41
Less than 75.0	55
Less than 78.0	74
Less than 81.0	80
Less than 84.0	86

B)

6		Cumulative
	Height (inches)	Frequency
	69.0 - 71.9	21
	72.0 - 74.9	41
	75.0 - 77.9	55
	78.0 - 80.9	74
	81.0 - 83.9	80
2		

D)

Height (inches)	Cumulative Frequency
Less than 72.0	0.263
Less than 75.0	0.250
Less than 78.0	0.175
Less than 81.0	0.237
Less than 84.0	0.075

8)

9) \_\_\_\_\_

## Provide an appropriate response.

10) The frequency distribution for the weekly incomes of students with part-time jobs is given below. Construct the corresponding relative frequency distribution. Round relative frequencies to the nearest hundredth of a percent if necessary.

Income (\$) Frequency 200-300 68 301-400 69 401-500 79 501-600 87 More than 600 11 A) Relative Income (\$) Frequency 200-300 12.5% 301-400 20.1% 401-500 37.3% 501-600 15.2% More than 600 14.9% C) Relative Income (\$) Frequency 200-300 21.66% 301-400 21.97% 401-500 25.16% 501-600 27.71% More than 600

3.50%

B)

	Relative
Income (\$)	Frequency
201-300	15.5%
301-400	22.1%
401-500	31.3%
501-600	16.2%
More than600	14.9%
D)	h-1

	Relative
Income (\$)	Frequency
200-300	24.76%
301-400	27.97%
401-500	3.53%
501-600	21.38%
More than 600	24.84%

10) \_\_\_\_\_

Answer Key Testname: QUIZ I

1) B	
2) B	
3) C	
4) D	
5) D	
6) C	
7) B	
8) B	
9) A	
10) C	

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