Quiz 1 Math 110: Chapter 1

Name	e		
MUL	IPLE CHOICE. Choose the one alternative that	best completes the statement or answers the question.	
	1) Which of the following sample types sho	ould you always regard as unreliable?	
	A) simple random samples	B) cluster samples	
	C) stratified samples	D) voluntary response samples	
		erats, 151 Republicans and 16 Independents (all registered participant which mayorial candidate he or she prefers. ter is using.	
	A) cluster sample	B) sample of convenience	
	C) stratified sample	D) voluntary response sample	
	ets to the adults at a school function. The leaflets ask the e in anthropogenic global warming. The bottom of the et should be returned to the student. Identify the kind of B) stratified sample		
	A) sample of convenience	· •	
	C) cluster sample	D) systematic sample	
	4) By visiting homes door-to-door, a municipality surveys all the households in 89 randomly-selected neighborhoods to see how residents feel about a proposed property tax increase. Identify the type of sample that is being used.		
	A) stratified sample	B) cluster sample	
	C) systematic sample	D) voluntary response sample	
	5) An electronics manufacturer test every 1000th cell phone to verify that it is functioning properly. Identify the kind of sample that is being used.		
	A) stratified sample	B) simple random sample	
	C) systematic sample	D) cluster sample	
	•	ssor's class are written on identical slips of paper, and the en, the professor selects 5 random slips from the jar. used.	
	A) systematic sample	B) simple random sample	
	C) cluster sample	D) sample of convenience	

7) Determine which of the	e following describes quar	ntitative data.	
i). the name of a cl	hemical sample		
ii). the mass of a ch	nemical sample		
iii). the color of a c	hemical sample		
A) i, ii, and iii	B) i and ii only	C) ii only	D) i only
8) Determine which of the	e following describes qual	itative data.	
i). the make of the	car with license plate num	ber VNS-862	
ii). the license plate	e number VNS-862		
iii). the number of	vehicles whose license pla	te number begins with "V	NS"
A) neither i, nor ii, no	or iii	B) i and ii only	
C) i only		D) iii only	
9) Determine which of the	e following describes nom	inal data.	
i. My favorite days	s of the week are Friday, S	aturday, and Tuesday.	
ii. My favorite day	of the week is Friday, my	second-favorite is Saturda	y, and
third-favorite is	Tuesday.		
A) neither i nor ii	B) i only	C) ii only	D) both i and ii
10) Determine which of the	e following describes ordi	nal data.	
i. In the horse race,	Betty's Girl won, Mr. Ed	placed, and Wabash showe	ed.
ii. In the horse race	, I bet on Betty's Girl to w	in, Mr. Ed to place, and W	abash to show.
A) ii only	B) both i and ii	C) neither i nor ii	D) i only
11) Which one of the follo	wing data are discrete?		
A) the average heigh	t of players on the Univers	sity of Connecticut's wome	n's basketball team
B) the height of the t	allest player on Duke Univ	versity's men's basketball t	eam
C) the pre-season ran	iking of Duke University's	men's basketball team	
D) the average preseathe past 10 years	ason ranking of the Univer	rsity of Connecticut's wom	en's basketball team over
the past 10 years			
12) Which one of the follo	wing data are continuous?		
A) the rankings of the	e trees, from most numero	us to least numerous	
B) the number of rep	resentatives of each specie	es in the park	
C) the number of spe	cies of trees in a park		
D) the average heigh	t of a sample of trees		
13) When experimental un	its are people, they are sor	metimes called	·
A) human units	B) topics	C) personnel	
14) In an experiment, the _	is what is	s measured on each experi	mental unit.
A) subject	B) category	c) outcome	D) treatment

15) Which of the following is the best description of a double-blind experiment?A) an experiment in which neither the investigators nor the subjects know how the treatment have been assignedB) an experiment in which neither the investigators nor the subjects know the others' national content of the properties of the properties					
views D) an experiment in which	-	·			
applied to them	J	·			
16) Which of the following is the A) an experiment in which	•	-			
· •	th the treatments are assign that the experimental units a that the outcomes are randor	re selected at random	ental units		
17) A(n) makes it difficult to determine whether an experimental outcome is due the applied treatment.					
A) perplexer		B) counfounder			
C) uncooperative subject		D) error			
18) An experiment that tends to A) biased	overestimate or underesti	mate the true value is sai	d to be D) flagrant		
19) People are reluctant to admi A) hurt feelings C) sampling bias	it to behavior that may ref	lect negatively on them. To B) voluntary response bin D) social acceptability by	as		
20) The question "Do you favor a higher some is an example of	standard of living, even th	ough it produces unclean	air and water?"		
A) leading question bias		B) framing			
C) random sampling		D) sampling bias			
21) You ask your friends who the responses, you conclude that	* *	· ·	on. Based on their		
This is most likely an exam	ple of				
A) randomized sampling	I ···	B) voluntary response bi	as		
C) self-interest bias		D) sampling bias			