Workseet 1.1–1.3	Status a
Name	
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SHORT ANSWER. Write the word or phrase that best cor	npletes each statement or answers the question.
Provide an appropriate response.	
1) Define the terms population, sample, parameter as	
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2) Distinguish between qualitative and quantitative	data. Give an example for each.
3) Define continuous and discrete data and give an ex	xample of each.
 Define and give examples for nominal, ordinal, interesting statistics which might be reported for each. 	erval, and ratio levels of measurement. Describe the type of
5) List five different abuses of statistics and give exar	nules for each.
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MULTIPLE CHOICE. Choose the one alternative that bes	
Determine whether the given value is a statistic or a paran	
6) A sample of 120 employees of a company is selecte	d, and the average age is found to be 37 years.
A) Statistic	B) Parameter
	ered voters in one city and finds that 43% are registered
A)Statistic	B) Parameter
8) After taking the first exam, 15 of the students drop	anned the class
A) Statistic	B) Parameter
	b) I didnicted
9) Based on a sample of 500 patients with high choles	terol, it was found that 67% have heart disease.
A) Parameter	(B) Statistic
10) A health and fitness club surveys 40 randomly sele questioned is 157 lb.	ected members and found that the average weight of those
Λ)Statistic	
Identify the number as either continuous or discrete.	
11) The number of freshmen entering college in a certa	in year is 621.
A) Discrete	
12) The average height of all freshmen entering college	in a certain year is 68.4 inches
	R) Discrete

B) Discrete

13) The number of limbs on a 2-year-old oak tree is 21.

A) Continuous

(4) An athlete runs 100 meters in 10.7 seconds.	
A) Continuous	-B)-Discrete
15) The number of cars passing a busy intersection between 4:A) Discrete	B) Continuous
16) The average speed of cars passing a busy intersection between A) Continuous	B) Discrete
Determine which of the four levels of measurement (nominal, or 17) The temperatures of eight different plastic spheres. A) Ratio	dinal, interval, ratio) is most appropriate. (C) Ordinal (D) Nominal
18) The sample of spheres categorized from softest to hardes A) Ratio B) Ordinal	l. C) Nominal D) Interval
19) Salaries of college professors.A) Interval B) Ordinal	C) Ratio D) Nominal
20) Survey responses of "good, better, best". A) Ratio B) Nominal	C) Interval D) Ordinal
SHORT ANSWER. Write the word or phrase that best complete	s each statement or answers the question.
Identify the abuse of statistics. 21) Criticize this statement: "Last year, Americans consume	d 121,358,399,451 galions of gasoline."
22) The graph shows the increases in a certain expenditure of graph?	over a four-year period. What is wrong with the
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- 23) You plan to make a survey of 200 people. The plan is to talk to every 10th person coming out of the school library. Is there a problem with your plan?
- 24) An airline company advertises that 100% of their flights are on time after checking 5 randomly selected flights and finding that these 5 were on time.
 - 25) A researcher wished to gauge public opinion on gun control. He randomly selected 1000 people from among registered voters and asked them the following question "Do you believe that gun control laws which restrict the ability of Americans to protect their families should be eliminated?" Identify the abuse of statistics and suggest a way the researcher's methods could be improved.