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Sample = 1352 Am +111 to +

1. Identify the population and the sample:

a) A survey of 1353 American households found that 18% of the households own a computer.

- b) A recent survey of 2625 elementary school children found that 28% of the children could be classified obese.
- c) The average weight of every sixth person enter the mall within 3 hour period was 146 lb.
- 1. a) population: all American households

sample: collection of 1353 American households surveyed

- b) population: all elementary school children sample: collection of 2625 elementary school children surveyed
- c) population: all people entering the mall within the assigned 3 hour period sample: every 6<sup>th</sup> person entering the mall within the 3 hour period

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Determine whether the numerical value is a parameter or a statistics (and explain):

a) A recent survey by the alignni of a major university indicated that the average salary of 10,000 of its \$200 dig graduates was 125,000.

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- 1. a) population: all American households sarveyed b) population: all elementary school children surveyed c) population: all elementary school children surveyed c) population: all elementary school children surveyed c) population: all people entering the mall within the assigned 3 hour period sample: every 6° person entering the mall within the 3 hour period c) as statistic part of 300,000 graduates are surveyed b) parameter all assembly; line employees were included in the study c) statistic 360 credit cards were examined (not all) 3. a) population all readers of USA Today; sample: volunteers that responded to the survey; population parameter; percent who have at least one caffeinated drink among those who resonabed to the survey. b) population: all starts in the galaxy; sample: the few stars selected for measurements; population parameter: mean (average) of distances between all stars and Earth; sample statistics: mean of distances between the stars in the sample and Earth