A poplulation is

A subset of a population

If a claim is made about a popluation

A parameter is

A statistic is

A manufacturer inspects 500 personal video players and finds that 497 of them have no defects. The manufacturer sent a shipment of 2500 video players to a distributor. Predict the number of players in the shipment that are likely to have no defects.

a. 2350
b. 15

c. 2485
d. 497

powered by
ExamView

In the cafeteria, sometimes salads are served and sometimes fruit is served. Linda notes that out of 20 days, 18 days salad is served and 2 days fruit is served. Predict how many days fruit is served in a 180-day school year. If necessary, round your answer to the nearest whole number.

a. 16 days
b. 162 days

c. 20 days
d. 18 days

powered by
ExamView

A factory produces 15,000 computer monitors per day. The manager of the factory claims that fewer than 460 defective computer monitors are produced each day. In a random sample of 200 computer monitors, there are 4 defective computer monitors. Determine whether the manager's claim is likely to be true. Explain.

a. No, the manager's claim is not likely to be true. Based on the data, you can predict that there are 465 defective computer monitors produced per day.

b. Yes, the manager's claim is likely to be true. Based on the data, you can predict that there are 300 defective computer monitors produced per day.

c. Yes, the manager's claim is likely to be true. Based on the data, you can predict that there are 305 defective computer monitors produced per day.

d. No, the manager's claim is not likely to be true. Based on the data, you can predict that there are 470 defective computer monitors produced per day.

A music store has different clubs for different musical genres. In all, the clubs have 165 members. The store gives comment cards to all 55 members of its Classical Music Club to find out about satisfaction with the club's features. Identify the total number of the population.

At Rosa's summer job with a research company, she must get a representative sample of people from her town to answer a question about health habits. Which of the following methods could be used to get a representative sample?

a. selecting every other person as they exit the mall

b. gathering responses from factory workers

c. selecting people randomly as they enter a fast-food restaurant

d. gathering responses from men who own businesses in town

In the cafeteria, sometimes salads are served and sometimes fruit is served. Linda notes that out of 36 days, 23 days salad is served and 13 days fruit is served. Predict how many days fruit is served in a 180-day school year. If necessary, round your answer to the nearest whole number.

a. 115 days

b. 65 days

c. 52 days

d. 102 days