

QUIZ 12

Name _____

1. The weights (in pounds) were recorded for 20 kindergarten children chosen at random:

51 46 37 39 48 42 41 44 57 36
47 44 41 50 45 46 34 39 42 44

Create a frequency and relative frequency table using a width of 5 and beginning value of 32.5. Also construct a histogram.

2. The probability that a given drug will produce a serious side effect in a person using the drug is .02. In the binomial distribution for 450 people using the drug, what are the mean and standard deviation?

3. Given a normal distribution with a mean of 55 and a standard deviation 4, what is the probability of being between 50 and 64?