

Chapter 7 Problems and Solutions - Sampling and Sampling Distributions

2. Assume a finite population has 10 elements. Number the elements from 1 to 10 and use the following 10 random numbers to select a sample of size 4.

.7545 .0936 .0341 .3242 .1449 .9060 .2420 .9773 .5428 .0729

8. A survey question for a sample of 150 individuals yielded 75 Yes responses, 55 No responses, and 20 No Opinions.

- a. What is the point estimate of the proportion in the population who respond Yes?
- b. What is the point estimate of the proportion in the population who respond No?

Chapter 7 Solutions

2. The 4 smallest random numbers are .0341, .0729, .0936, and .1449. So elements 2, 3, 5, and 10 are the simple random sample.

8. 8. a. $p = 75/150 = .50$ b. $p = 55/150 = .3667$