Quiz 1

1. A fair die is rolled 10 times. The number of dots showing on the rolls was: 2, 1, 4, 4, 2, 4, 1, 3, 1, 5. On the back side of this page, draw a histogram of this data.

2. A hypothetical population distribution is shown in the table below.

Age	Percent of Population
0–5	20
6–12	18
13–18	10
19–34	30
35–45	10
46–56	5
57–71	7

a) Draw a histogram of the population distribution. Label both the axes.

b) About what percent of the population is between 31 and 33 years old?

3. (Hypothetical.) In a clinical trial, data collection usually starts at "baseline," when the subjects are recruited into the trial but before they are assigned to treatment or control. Data collection continues until the end of followup. Two clinical trials on prevention of heart attacks report baseline data on smoking, shown below. In one of these trials, the randomization did not work. Which one was it and and how can you tell?

		Number of persons	Percent who smoked
(i)	Treatment	1,012	49.3%
	Control	997	69.0%
(ii)	Treatment	995	59.3%
	Control	1,017	59.0%