

Review

1. A group of wildlife biologists studied the chipmunk population in a 3,000 hectare forest from 1940 to 1995. Estimates of the size of the population (rounded off to the nearest 10) are shown in the table below:

Year	Number of chipmunks	Year	Number of chipmunks
1940	240	1970	1,570
1945	760	1975	1,390
1950	1,420	1980	630
1955	2,290	1985	350
1960	2,350	1990	720
1965	2,190	1995	1,440

- a. Graph the change in the size of the population from 1940 to 1995.

- b. What was the population density of chipmunks in 1970?

- c. What was the average change in the population density from 1940 to 1960?

- d. What was the average change in the population from 1960 to 1985?

- e. A biologist thinks the population of chipmunks will be in the range of 2,900 to 3,100 in the year 2000. Is that a reasonable guess? Why or why not?
