

LARSON ALGEBRA 1

CHAPTER 1, LESSON 6, EXTRA EXAMPLES

Extra Example 1 Using a Table

The data in the table represent the number of worldwide shipments of personal computers, in millions. During which 2-year period did the number of shipments increase the most?

Year	1990	1992	1994	1996	1998
PCs	23.7	32.4	47.9	70.8	98.4

SOLUTION

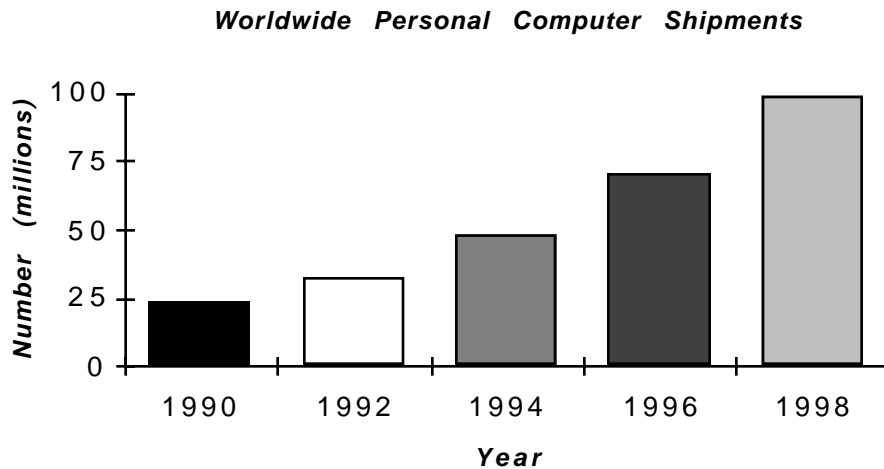
Enter the amount of change from one 2-year period to the next.

Year	1990	1992	1994	1996	1998
PCs	23.7	32.4	47.9	70.8	98.4
Change	—	8.7	15.5	22.9	27.6

From the table, you can see that the greatest increase in the number of worldwide shipments of personal computers, in millions, is from 1996 to 1998.

Extra Example 2 Interpreting a Bar Graph

The bar graph for the data in **Extra Example 1** is shown below. Is the bar graph misleading? Explain.



SOLUTION

The bar graph is not misleading because the vertical scale is consistent.

Extra Example 3 Making a Line Graph

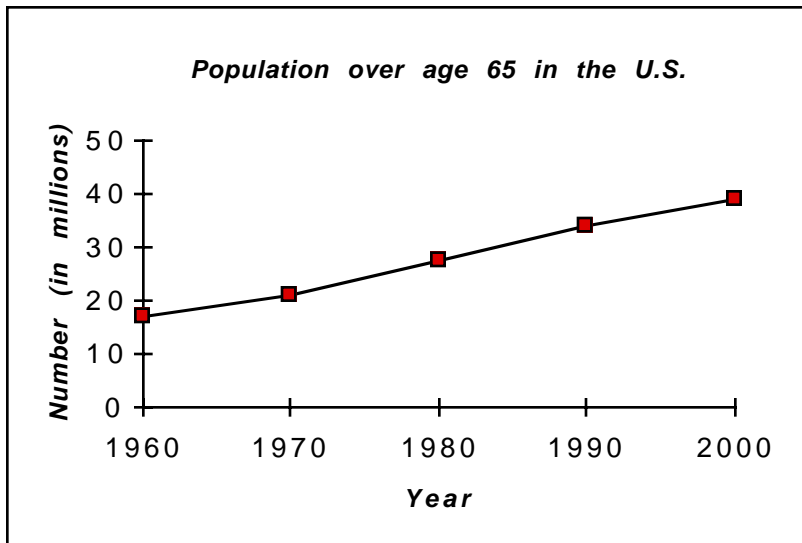
The data in the table represent the number of people over age 65 in the U.S., in millions.

Number of People over the Age of 65					
Year	1960	1970	1980	1990	2000
Number (in millions)	17.4	21.4	27.8	34.3	39.0

- Draw a line graph for the data.
- During which 10-year period was there the least increase?

SOLUTION

- The line graph for the data is given below.



- The least increase occurred between 1960 and 1970.