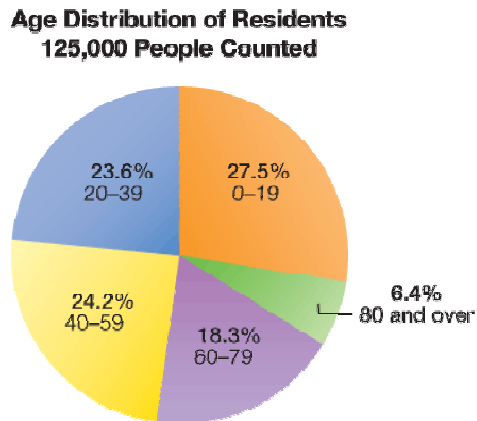


Lesson 1-4

Problem

DEMOGRAPHICS Use the circle graph to find the number of people in each age group according to a city census.



Solve the Problem

To find the number of people in each age group, multiply the percent by the number of people counted.

$$0-19 \quad 27.5\% \text{ of } 125,000 = 0.275 \cdot 125,000 = 34,375$$

About 34,375 people are ages 0-19.

$$20-39 \quad 23.6\% \text{ of } 125,000 = 0.236 \cdot 125,000 = 29,500$$

About 29,500 people are ages 20-39.

$$40-59 \quad 24.2\% \text{ of } 125,000 = 0.242 \cdot 125,000 = 30,250$$

About 30,250 people are ages 40-59.

$$60-79 \quad 18.3\% \text{ of } 125,000 = 0.183 \cdot 125,000 = 22,875$$

About 22,875 people are ages 60-79.

$$80 \text{ and above} \quad 6.4\% \text{ of } 125,000 = 0.064 \cdot 125,000 = 8000$$

About 8000 people are ages 80 and above.