

# MATRICES AND DETERMINANTS

▶ *How can you organize data about music sales?*



## CHAPTER

# 4

### APPLICATION: Music Sales

*When* you shop for music, your purchases matter. Music sales by people age 15 to 19 years accounted for about 16% of the \$13.7 billion total music purchases in 1998. The tables below give the dollar value of the music sold by age category in 1997 and 1998.

1997 Music Sales	
Age (years)	Sales (billions)
10–14	108.58
15–19	204.96
20–24	168.36
25–29	142.74
30–34	134.2
35–39	141.52
40–44	107.36
45+	201.3

1998 Music Sales	
Age (years)	Sales (billions)
10–14	124.67
15–19	216.46
20–24	167.14
25–29	156.18
30–34	156.18
35–39	172.52
40–44	113.71
45+	247.97

#### Think & Discuss

- From 1997 to 1998, how much did sales in the 15–19 age category increase? How much did sales in the 20–24 age category decrease?
- Make a new table that gives the change in the sales in each age category from 1997 to 1998. (Use negative numbers to indicate decreases.)

#### Learn More About It

You will find the total Hispanic music sales for 1996 and 1997 in Exercise 40 on p. 204.



**APPLICATION LINK** Visit [www.mcdougallittell.com](http://www.mcdougallittell.com) for more information about music sales.

