

7

Gerald wants to purchase a tennis racket and some cans of tennis balls. The table below shows the total prices he would pay at a discount store to buy one tennis racket and 1 to 4 cans of tennis balls.

**Total Prices for Tennis Racket
and Cans of Tennis Balls**

Number of Cans of Tennis Balls	Total Price with Racket
1	\$43
2	\$46
3	\$49
4	\$52

- a. Based on the prices in the table, what is the total price for one tennis racket and 6 cans of tennis balls? Show or explain how you got your answer.
- b. Based on the prices in the table, what is the price for one tennis racket? Show or explain how you got your answer.
- c. Write an expression that can be used to find the total price for one tennis racket and b cans of tennis balls. Explain your reasoning.
- d. Gerald purchased one tennis racket and b cans of tennis balls. The total price of his purchase was \$70. How many cans of tennis balls did Gerald purchase? Show or explain how you got your answer.