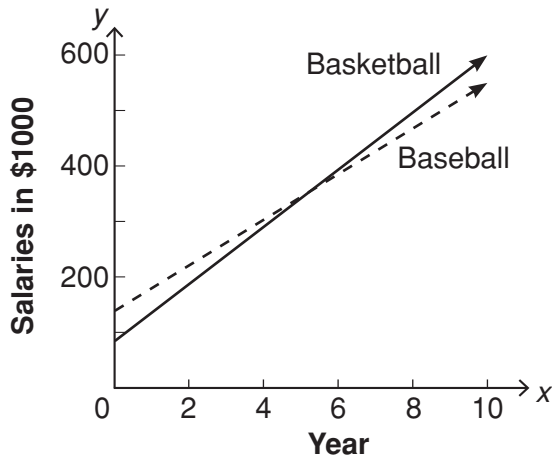


CHAPTER 6 Project
6 Where's the Money?

Activity 1: Salary Shifts *Use with Lesson 6-1*

From 1980 to 1990, there was a shift in salaries for basketball players and baseball players. The graph reflects the average salaries for the players.



1. Estimate the year that the salaries were equal and estimate the salary

2. Estimate the y-intercept of each line and use it with the point of intersection to determine the equation of each line.

3. Extend the graph to predict the salaries for 2000.

4. Find the current salary data and the data for 2000 in an almanac or online, and compare these data with your results.

5. Find data for average football salaries in an almanac or online, and compare them with the average baseball and basketball salaries.

CHAPTER **Project****6** **Where's the Money?** continued**Activity 2: Spring Training Tickets** *Use with Lesson 6-3*

Spring training is a “must” vacation for many professional baseball fans. Ticket prices are less than regular season tickets, and the field is smaller and friendlier. Here are spring training ticket prices for one major league baseball team.

Seat Location	Weekday Ticket Cost (\$)	Weekend Ticket Cost (\$)
Lower box	21	24
Upper box	18	21
Grandstand	16	19
Line box	14	17
Outfield box	13	15
Bleachers	11	13
Lawn	8	11

1. Suppose you have \$114 for tickets, and you want 6 tickets in the upper box section for weekday and weekend games. How many of each type of ticket can you buy?

2. Suppose you have \$160 for tickets, and you want a total of 12 tickets. Some could be weekday lawn seats. The others need to be weekend lower box seats. How many of each type of ticket can you buy?

3. Suppose you have \$270 for tickets, and you want a total of 20 tickets. You want weekday line box seats and weekend bleachers seats. How many of each type of ticket can you buy?

4. Suppose you have \$77 for tickets, and you want a total of 7 tickets. You want some weekday bleachers seats and some weekend lawn seats. How many of each type of ticket can you buy? Explain your reasoning.

5. In reality, there is typically a convenience fee added to the price of each ticket plus an order processing fee. Suppose the convenience fee per ticket was \$3.50 and the order processing fee was \$3.50. Determine how many of each type of ticket you could get if you wanted 8 tickets for either weekend bleachers or lawn seats and you had \$123.50.
