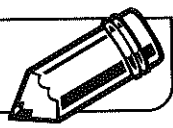


LESSON
10•6

Interpreting Table Data



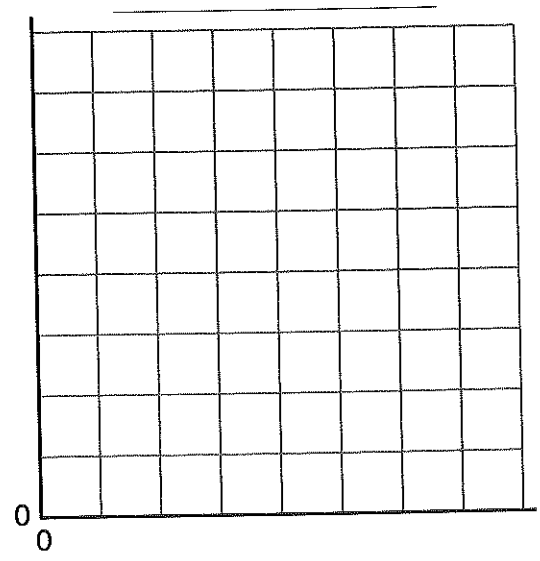
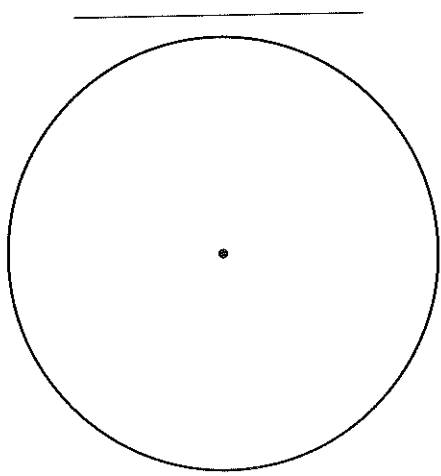
There are a number of choices when making a graph from table data.

- ◆ The type of graph is determined by the type of data represented.
- ◆ The title and labels for the graph are often the easiest to recognize from the table.
- ◆ Deciding on the scale to use for the y-axis of a line graph is more of a challenge. The intervals in the data can guide the choice of a scale.

1. Make a graph for each of the tables below.

Table 1	
Pinto bean plants grow an average of 1.5 inches each day.	
Day	Plant Height (in.)
0	0
1	1.5
2	3.0
3	4.5
4	6.0
5	7.5

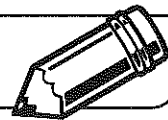
Table 2	
Exterior colors of cars in the movie theater parking lot	
Exterior Color	Percent
Silver	25%
Yellow	5%
Black	25%
Red	10%
Blue	25%
White	10%



2. On the back of this page, explain why you chose which graph to use for each table.

LESSON
10•6

Analyzing Two Rules



Ivan earns \$50 every 2 days. Elise earns \$70 every 3 days.

1. Write a rule to describe how much money Ivan earns in a given number of days.

Amount earned = _____ * number of days

2. Write a rule to describe how much money Elise earns in a given number of days.

3. Complete the table for the outputs in the cells that are not shaded.

4. a. After 6 days, who has earned more money?

- b. After 12 days, who has earned more money?

- c. Who earns more money per day? Explain your answer.

Days	Money Earned	
	Ivan	Elise
0		
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		
16		

5. How long does it take each person to make \$350?

Ivan: _____ days Elise: _____ days

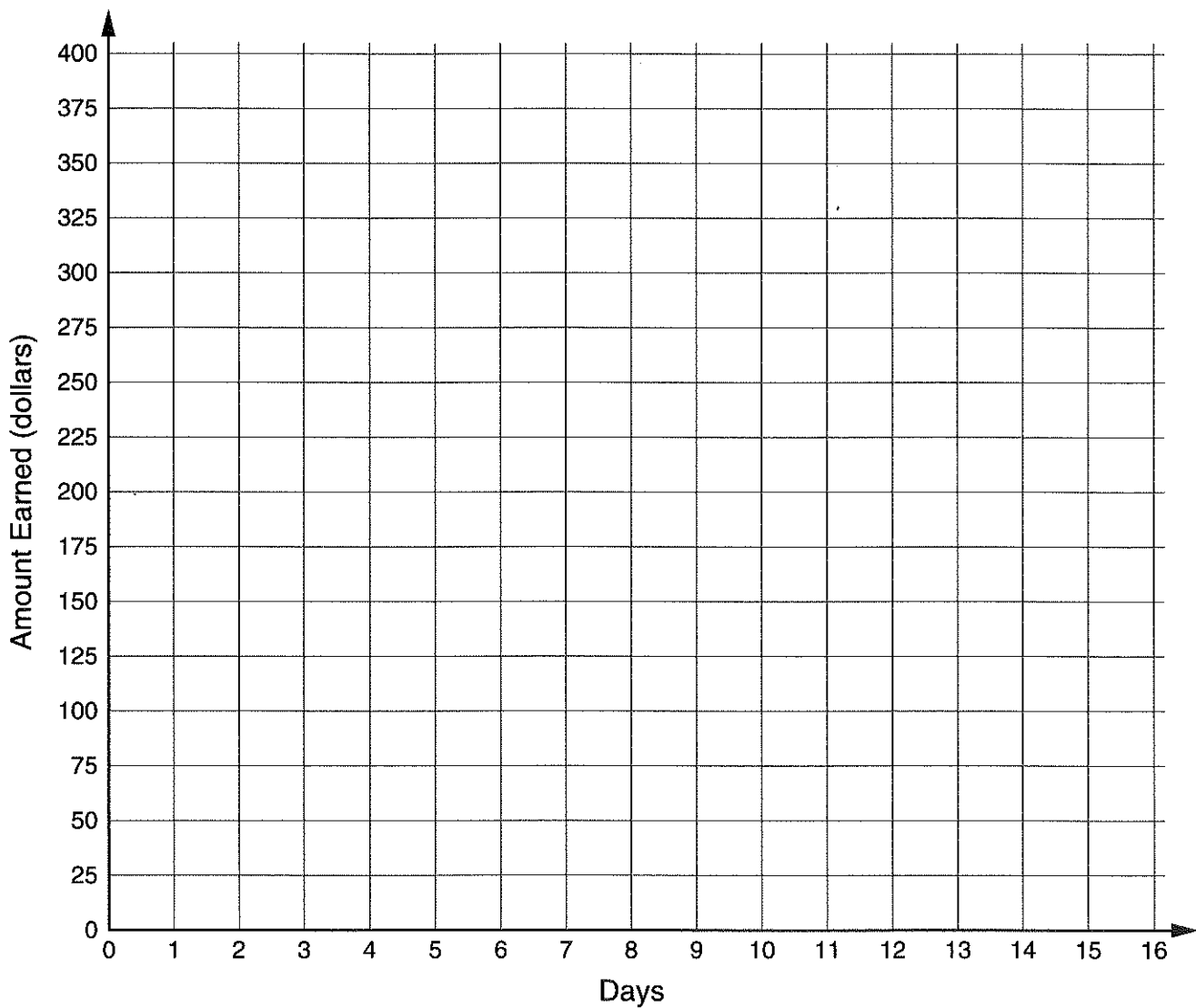
LESSON
10•6
Analyzing Two Rules *continued*


6. Write three ordered pairs to show the relationship between number of days and the amount earned for each person.

Ivan: _____

Elise: _____

7. Use the grid to graph your ordered pairs. Use a straightedge to connect the points for each person, and label the lines Ivan and Elise.



8. About how much more did Ivan earn after 13 days? _____

9. Extend the graph to find out about how much Elise earned in 16 days. _____