

Name: \_\_\_\_\_



PRACTICE



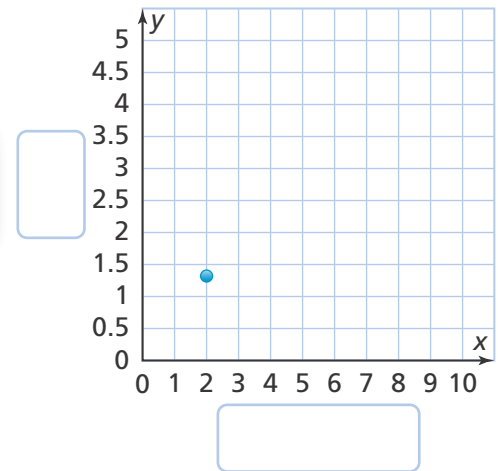
TUTORIAL

## 4-1 Additional Practice

- 1. Leveled Practice** The table shows the year and the average price for one gallon of gasoline at a certain gas station. Complete the scatter plot.

**Gasoline Prices**

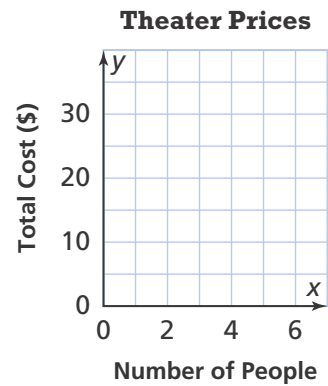
Year	2002	2003	2004	2005	2006	2007	2008	2009
Price (\$)	1.32	1.53	1.81	2.28	2.58	2.82	3.24	2.32



- 2.** The table shows the number of people and the total cost of their movie tickets at various movie theaters.

**Theater Prices**

Number of People	Total Cost (\$)
2	15.00
3	13.50
3	22.50
4	18.00
5	37.50

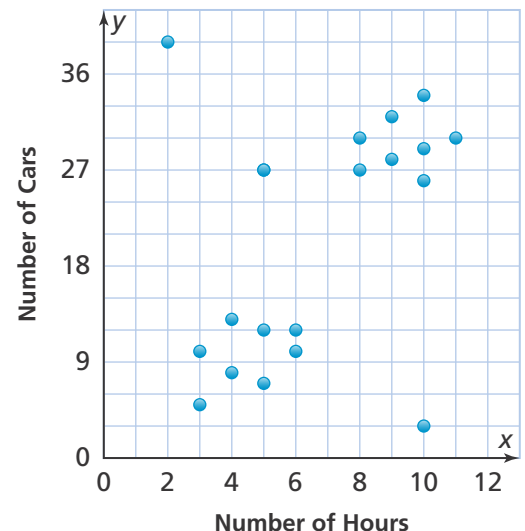


- a.** Complete the scatter plot to represent the data. **b.** Identify any outliers in the scatter plot. What situation might have caused an outlier?

- 3. Model with Math** The scatter plot represents the numbers of hours since the city parking lots opened and the number of cars in the parking lots. © MP.4

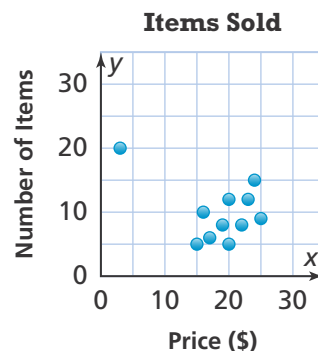
- a.** Identify any outliers in the scatter plot. **b.** Identify any clusters in the scatter plot. **c.** Identify any gaps in the scatter plot. What situation might have caused the gap?

**Cars in Parking Lots**



**4. Higher Order Thinking** The scatter plot represents the price and the number of items sold. Your friend incorrectly says that the cluster in the graph is between the prices of \$3 and \$25 and between 5 and 20 items sold.

- What error did your friend likely make?
- Explain the relationship between the number of items sold and the price.
- Identify the cluster. Explain what it tells you about the data.

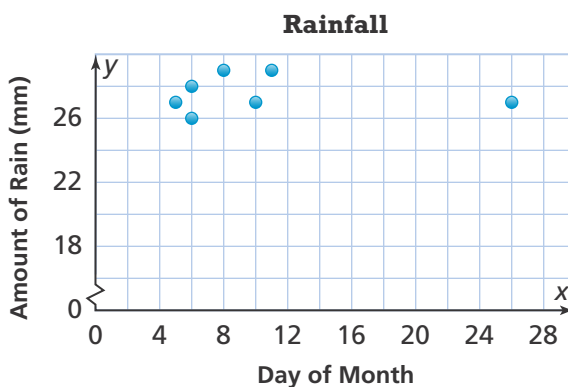


## © Assessment Practice

Use the scatter plot to answer 5 and 6.

**5.** The scatter plot shows the day of a month and the amount of rain in a city. Select all statements that apply.

- ☐ There is an outlier at Day 26.
- ☐ There is a cluster of days when it rained between Days 6 and 15.
- ☐ There is a gap of no rain falling between Days 10 and 26.
- ☐ There were three days of the month when it rained exactly 27 millimeters.
- ☐ The greatest difference in the recorded amounts of rain in the city during the month was 3 millimeters.



**6.** Identify the gap in the scatter plot. What situation might have caused this gap?

