

2-2**Practice: Skills****Bar Graphs and Line Graphs**

Make a bar graph for each set of data.

1.

| Cars Made in 2000 | |
|-------------------|-----------------|
| Country | Cars (millions) |
| Brazil | 1 |
| Japan | 8 |
| Germany | 5 |
| Spain | 2 |
| U.S.A. | 6 |

2.

| People in America in 1630 | |
|---------------------------|-------------------|
| Colony | People (hundreds) |
| Maine | 4 |
| New Hampshire | 5 |
| Massachusetts | 9 |
| New York | 4 |
| Virginia | 25 |

Use the bar graph made in Exercise 1.

3. Which country made the greatest number of cars?
4. How does the number of cars made in Japan compare to the number made in Spain?

For Exercises 5 and 6, make a line graph for each set of data.

5.

| Yuba County, California | |
|-------------------------|------------------------|
| Year | Population (thousands) |
| 1990 | 59 |
| 1992 | 61 |
| 1994 | 62 |
| 1996 | 61 |
| 1998 | 60 |
| 2000 | 60 |

6.

| Everglades National Park | |
|--------------------------|-------------------|
| Month | Rainfall (inches) |
| January | 2 |
| February | 2 |
| March | 2 |
| April | 2 |
| May | 7 |
| June | 10 |

7. **POPULATION** Refer to the graph made in Exercise 5. Describe the change in Yuba County's population from 1990 to 2000.
8. **WEATHER** Refer to the graph made in Exercise 6. Describe the change in the amount of rainfall from January to June.

2-2

Practice: Word Problems

Bar Graphs and Line Graphs

TREES For Exercises 1, 3, and 4, use Table A. For Exercises 2, 5, and 6, use Table B.

Table A

| Average Heights of Pine Trees | |
|-------------------------------|-------------|
| Tree | Height (ft) |
| Eastern White | 75 |
| Lodgepole | 48 |
| Longleaf | 110 |
| Pitch | 55 |
| Ponderosa | 140 |

Table B

| Lemons Produced by My Tree | |
|----------------------------|------------------|
| Year | Number of Lemons |
| 1999 | 26 |
| 2000 | 124 |
| 2001 | 122 |
| 2002 | 78 |
| 2003 | 55 |

- | | |
|--|--|
| <p>1. You and Jorge are writing a report on different kinds of pine trees. Make a bar graph for the report that shows the average heights of different kinds of pine trees. Use the data from Table A.</p> | <p>2. Table B shows the number of lemons your tree produced each year. Make a line graph for the data in Table B.</p> |
| <p>3. Use your graph for Exercise 1. Which tree is about half as tall as a ponderosa?</p> | <p>4. How does the average height of a pitch pine compare to the average height of a lodgepole pine?</p> |
| <p>5. Use the line graph you made in Exercise 2. Describe the change in fruit production for your lemon tree.</p> | <p>6. FRUIT Suppose you want to make a graph of the total number of lemons produced by your lemon tree and the total number of oranges produced by your orange tree in one year. Would you make a bar graph or a line graph? Explain.</p> |