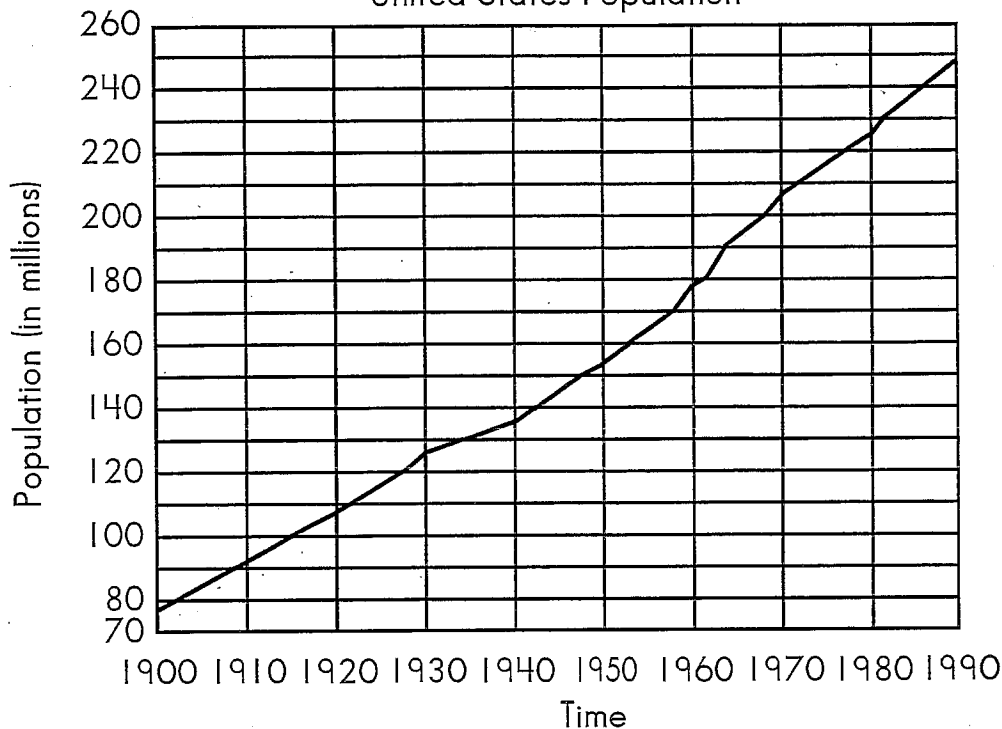




Line Graphs: People, People, More People

A line graph for population of the United States is shown below.

United States Population



Use the graph to answer the following questions.

1. What year was the population about 179,000,000? _____
2. Estimate the population in 1940. _____
3. During what 10-year period was the population increase the greatest? _____
 Estimate the amount of increase during that period. _____
4. During what 10-year period was the population increase the least? _____
 Estimate the amount of the increase during that period. _____
5. The population in 1950 was about how many times the population in 1900? During what 10-year period was the population increase the greatest?
6. From 1900 to 1980 the population increased about _____ times.
7. Estimate the increase in population from 1900 to 1980. _____

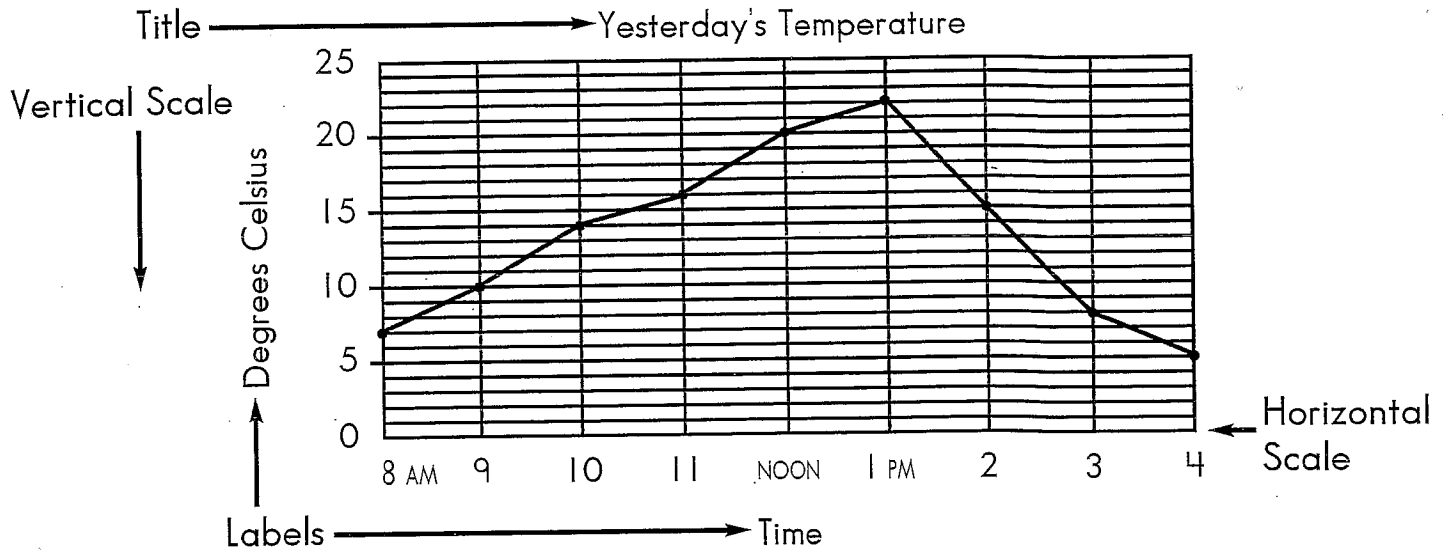
8. What does this graph show about population growth in the United States? _____



Name _____

Line Graphs: Temperatures

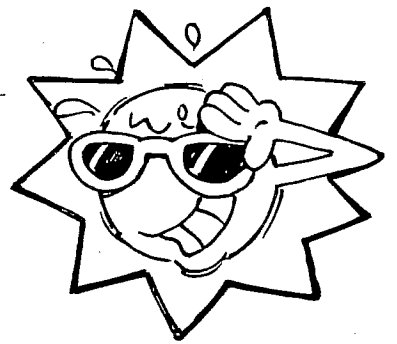
Line graphs are used to picture a relationship between two sets of facts. A line graph has a title to tell the purpose of the graph. The graph has two scales (horizontal and vertical) which are used to tell the different values or things being represented. The scales are given labels to tell the kinds of facts that are represented. Points are used to show how the facts are matched and the points are connected by line segments to show the pattern of the graph. The graph on this page matches the time of day with the temperature at that time.



Use the graph to answer the following questions.

1. What is the purpose of the graph?

2. What was the highest temperature yesterday? _____
3. When did the highest temperature occur? _____
4. What was the temperature change from 9 AM until noon? _____
5. What was the temperature change from 2 PM until 3 PM? _____
6. What was the difference between the highest and lowest temperature? _____

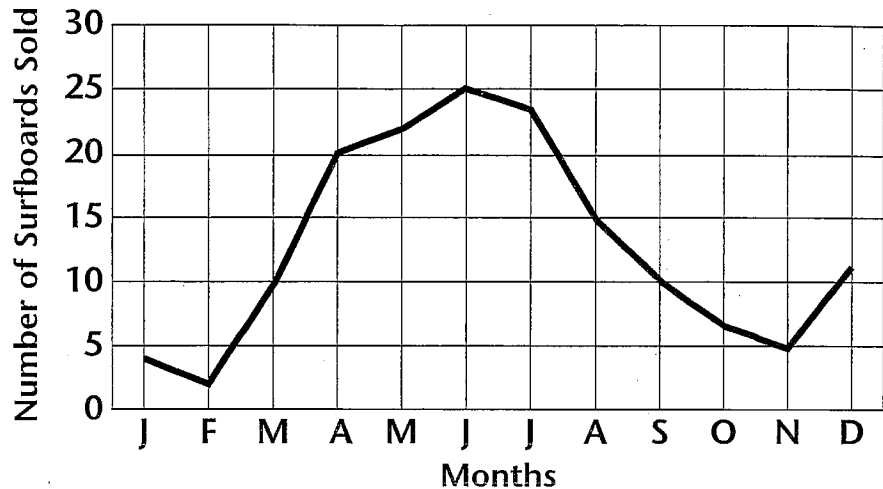


Surf's Up!

Interpreting
Line Graphs

Kristen's parents own a surf shop. One day while Kristen was helping in the shop, her mother and father were tallying the number of surfboards they sold during the year. Kristen suggested that they use a line graph to represent the data. Study the line graph, then solve the problems.

Surfboards Sold



1 In which month were the greatest number of surfboards sold?

How many were sold this month?

2 In which month were the least number of surfboards sold?

How many were sold this month?

3 In which three successive months did the sale of surfboards increase the most?

4 In which three successive months did the sale of surfboards decrease the most?

5 How many surfboards were sold in May? _____

How many surfboards were sold in August? _____

How many surfboards were sold in October? _____

6 According to the graph, what are the two best months for selling surfboards?

7 During which season are the fewest surfboards sold?

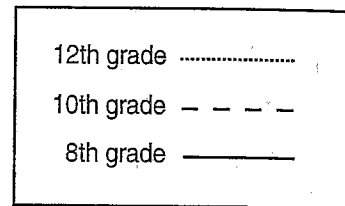
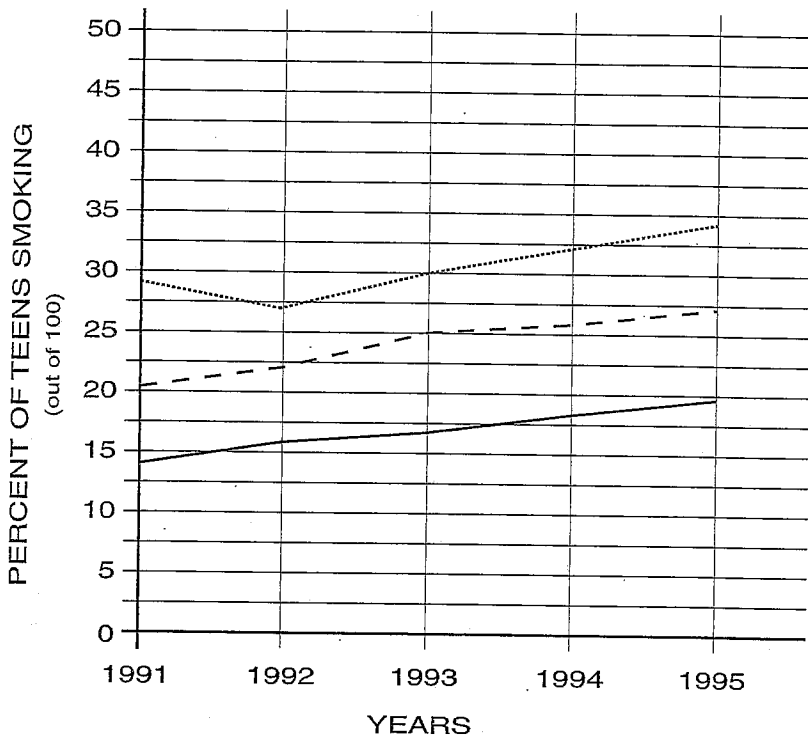
8 Describe the pattern of surfboard sales. What might be the reasons for this pattern?

Smoking Stats

Smoke is no joke, and our triple line graph proves it. What do you think about the numbers you see here? Read the surprising truth about students' smoking habits and then answer the questions.

Teens Who Smoke

(numbers have been approximated for graphing purposes)



QUESTIONS

1. What is the increase in the percentage of 8th-grade smokers from 1991 to 1995? _____
2. What is the increase in the percentage of 12th-grade smokers from 1991 to 1995? _____
3. a. Which group showed a decrease? _____
 b. About how big was the decrease? _____
4. About what is the difference between the percentage of 10th-grade smokers and 12th-grade smokers in 1994? _____
5. Which group showed the greatest increase from 1991 to 1995? _____