

NO WATER SKIS ALLOWED

No skis are needed at this waterskiing competition. The competitors ski and jump on their bare feet. The graph shows the jump scores for ten different jumps for each of four barefoot skiers. How well did they do?

1. Which skier had the most consistent scores?

2. Which skier had the greatest drop in score between 2 jumps in a row?

3. Which skier had the greatest rise in score between 2 jumps in a row?

4. Which skier probably won this competition? _____
5. Which skier scored below 12 most often?

6. Which skier made the best recovery from a drop in scores? _____
7. Do Nicole's 10 scores average above 14?

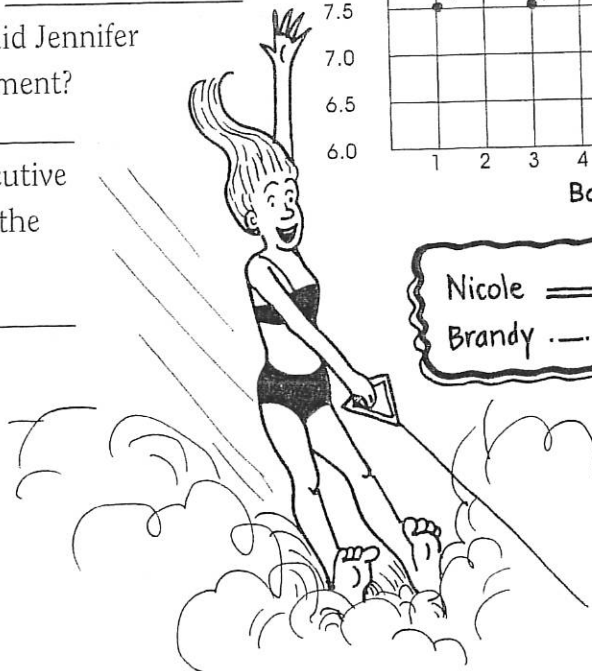
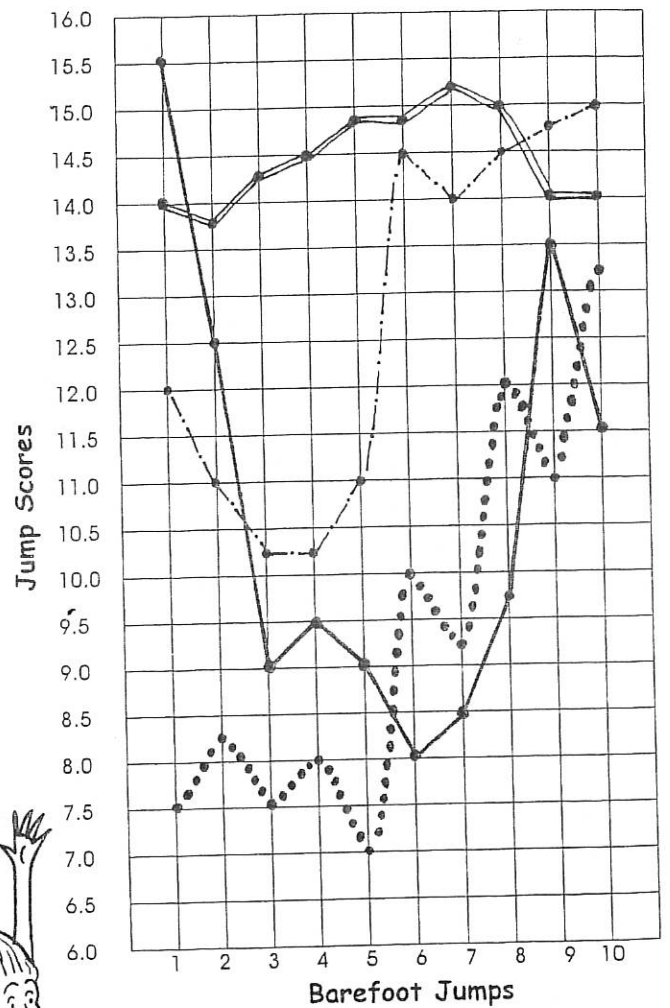
8. Did the majority of Brandy's scores fall above or below 12.0? _____
9. Between which 2 dives did Jennifer make the most improvement?

10. Between which 2 consecutive dives did Amanda make the most improvement?

11. Who had the third best score on the 9th dive?

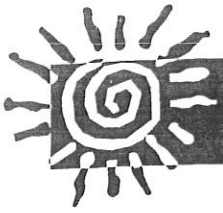
12. Which skier received the score of 14.8 twice and 14.0 three times?

Barefoot Water-Skiing Jump Scores



Nicole ——— Jennifer ———
Brandy Amanda

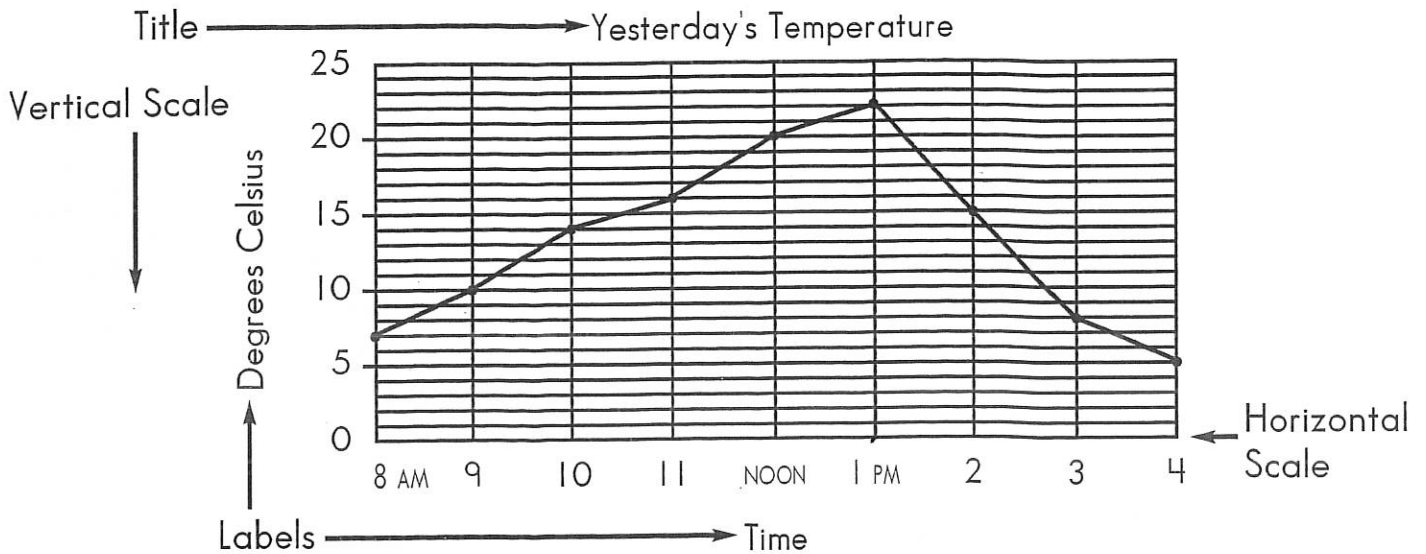
Name _____



Name _____

Line Graphs: Temperatures

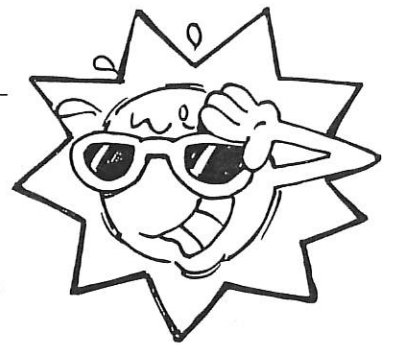
Line graphs are used to picture a relationship between two sets of facts. A line graph has a title to tell the purpose of the graph. The graph has two scales (horizontal and vertical) which are used to tell the different values or things being represented. The scales are given labels to tell the kinds 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? _____

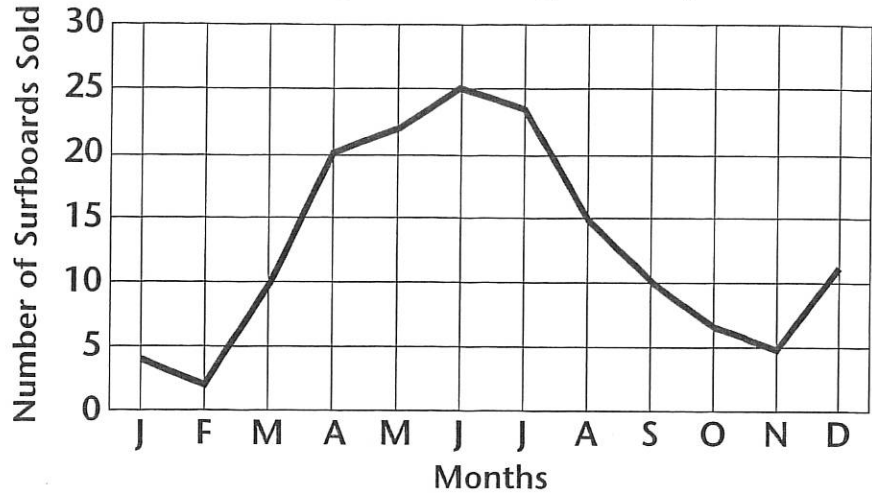


Surf's Up!

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?

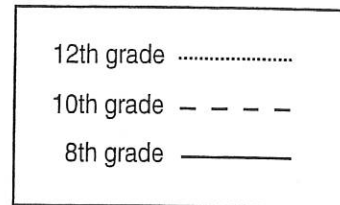
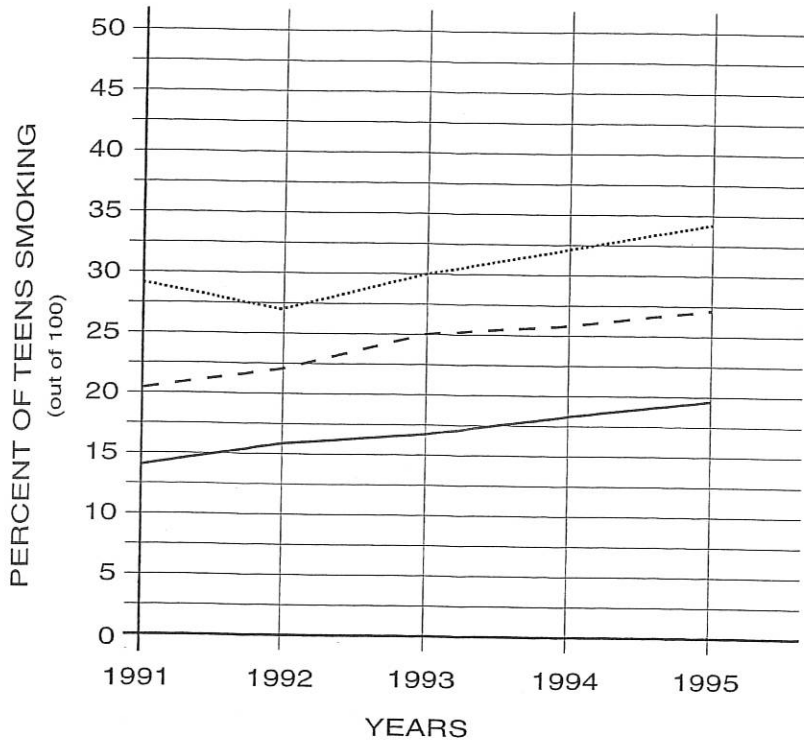
8 Describe the pattern of surfboard sales. What might be the reasons for this pattern?

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? _____