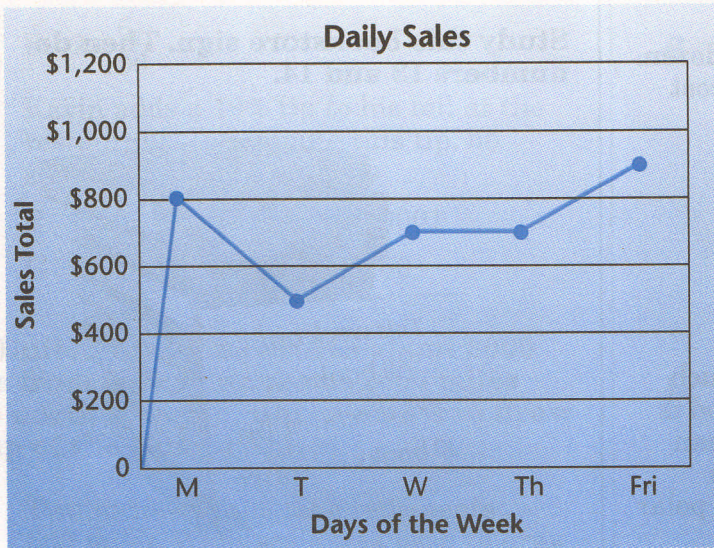


Lesson 10 Graphs

You see graphs in newspapers or magazines every day. Graphs give the reader a quick understanding of a set of numbers.

Example On which two days were the dollar amounts of sales the same?



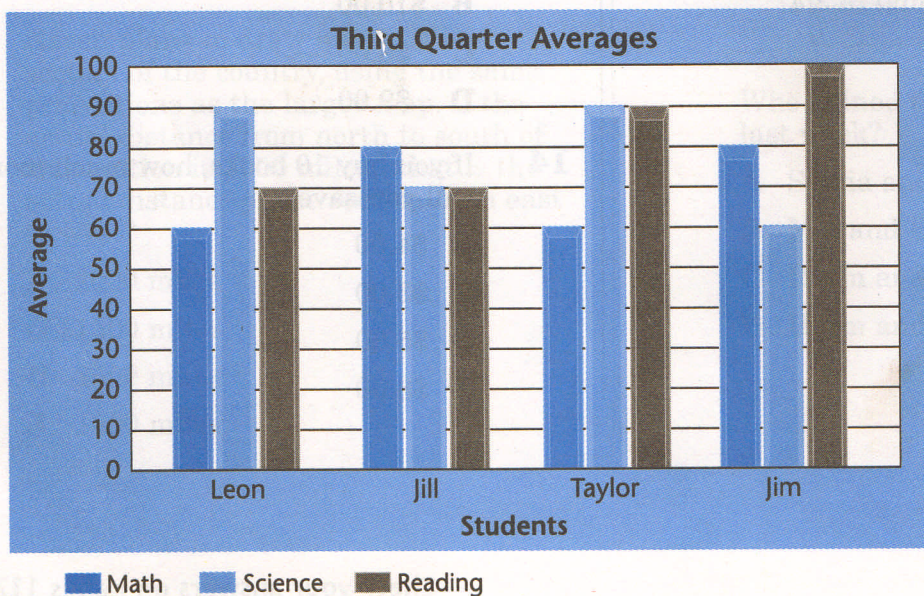
Step 1. Look at the graph. The left-hand side of the graph (total sales in dollars) is called the vertical axis because it starts at the bottom corner and points up. The bottom of the graph (days of the week) is called the horizontal axis because it starts at the bottom corner and points across to the right.

Step 2. Because you are looking for two days on which sales were the same, look for two points of the same height. Check along the vertical axis to make sure the sales totals are the same. Look along the horizontal axis to find the days on which sales were the same.

Sales were the same on Wednesday and Thursday.

Test Example

Read the question. Circle the answer.



1 Which student had the smallest difference between his or her best and worst average?

- A Jim
- B Leon
- C Taylor
- D Jill

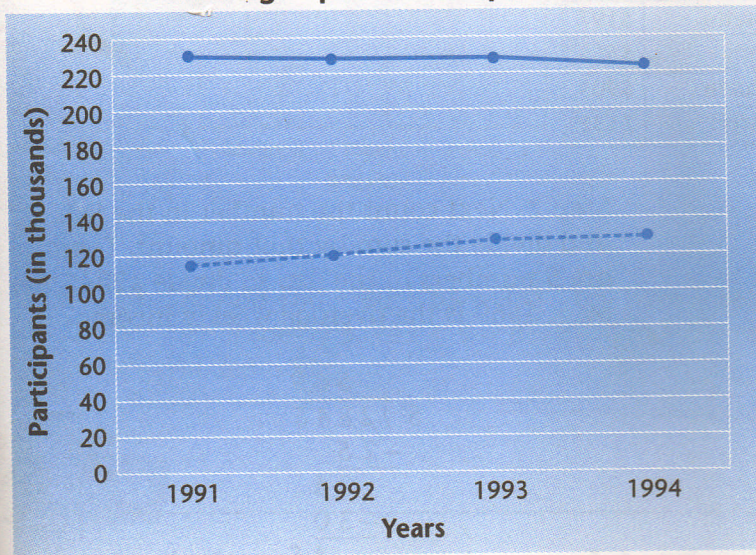
- 1 D There was a difference of 10 points in Jill's best and worst subjects. Leon and Taylor each had a 30-point difference, and there was a 40-point difference for Jim.

Practice

Read the question. Circle the answer.

This graph shows men's and women's college sports participation from 1991 through 1994. Study the graph. Then do numbers 1 and 2.

College Sports Participation



—•— Men - - -•- Women

- 1 In what period will you find the greatest difference in the participation of men and women?

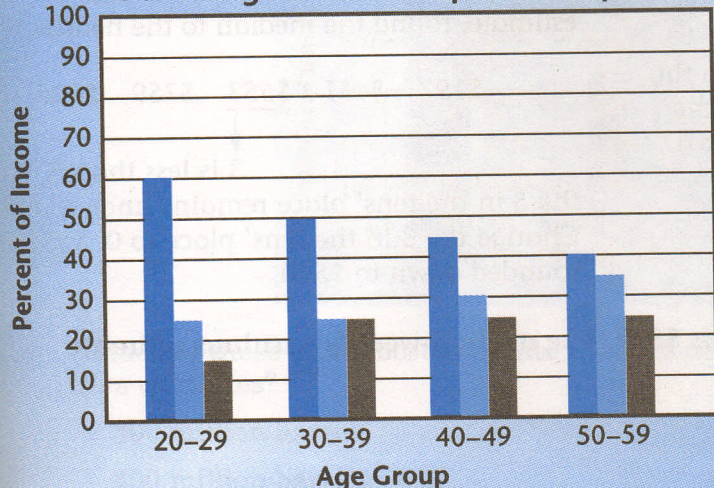
A 1992
B 1991
C 1994
D 1993

- 2 During what period had women's participation increased the most from the previous period?

F 1994
G 1992
H 1991
J 1993

This graph shows the percentage of income spent on different categories of expenses by different age groups. Study the graph. Then do numbers 3 and 4.

Percentage of Income Spent on Expenses



■ Housing ■ Food ■ Other Expenses

- 3 Which age group uses the largest percentage of its income for housing?

A 50-59
B 40-49
C 20-29
D 30-39

- 4 Which age group spends approximately half as much for food as it does for housing?

F 30-39 H 50-59
G 20-29 J 40-49

Check your answers on page 118.