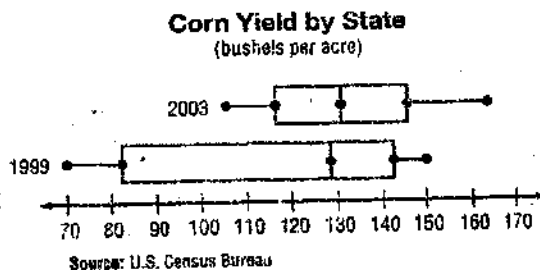


Review Graphs

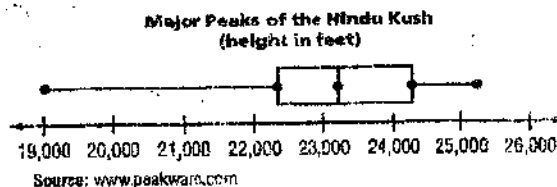
For Exercises 8-10, use the box-and-whisker plot shown.

1. In which year was the corn yield more varied? Explain.
2. How does the median yield in 2003 compare with the median yield in 1999?
3. Write a few sentences that compare the 1999 yields with the 2003 yields.



For Exercises 4-7, use the box-and-whisker plot shown.

4. How tall is the highest peak of the Hindu Kush?
5. What is the median height of the major peaks?
6. Write a sentence describing what the box-and-whisker plot tells about the major peaks of the Hindu Kush.



**RECREATION** For Exercises 5-7, use the information in the back-to-back stem-and-leaf plot shown at the right.

7. The category with the lowest total expenditure in 1992 was motion pictures. What was its total?
8. What is the median total recreational spending for 1992? For 2002?
9. Compare the total spending on recreation in 1992 with that in 2002.

Total U.S. Spending on Personal Recreation (by Category)

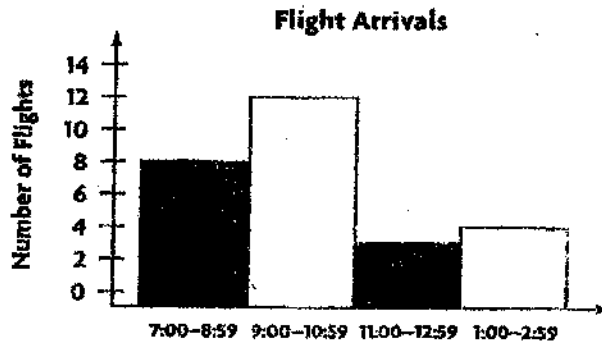
1992		2002	
7	5 5	0	9
8	7 2 0	1	0 2 8
	7 2	2	2
	4 0	3	4 5 7
		4	4
		5	6
		1	6 0
		7	
		8	4
		9	

7 | 2 = \$27 billion

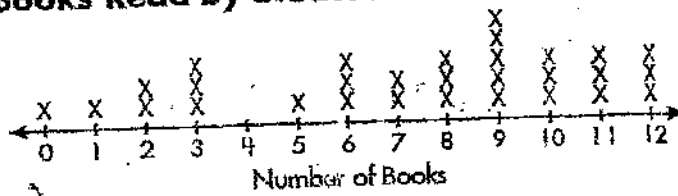
3 | 5 = \$35 billion

use the histogram at the right.

10. During which time period did the most flights arrive?  
\_\_\_\_\_
11. How many flights arrived after 11:00?  
\_\_\_\_\_

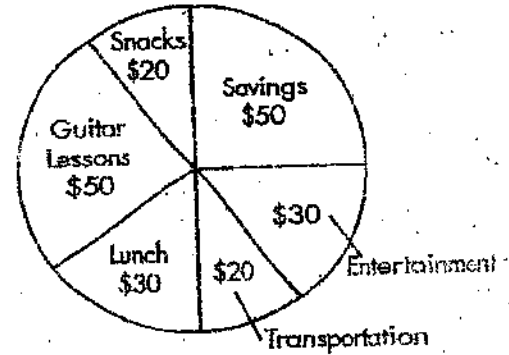


## Books Read by Students over the Summer



12. What is the mode of the data? \_\_\_\_\_ How many data points are there? \_\_\_\_\_
13. What is the range of the data? \_\_\_\_\_ What is the median of the data? \_\_\_\_\_
14. What is Keith's total weekly budget? \_\_\_\_\_
15. What percentage of Keith's budget does he spend
16. on transportation? \_\_\_\_\_ How many degrees
17. of the circle are used to represent this percentage?
18. How many degrees of the circle are used to represent entertainment? \_\_\_\_\_

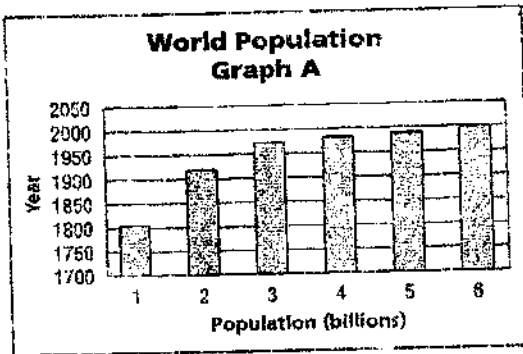
### Keith's Weekly Budget



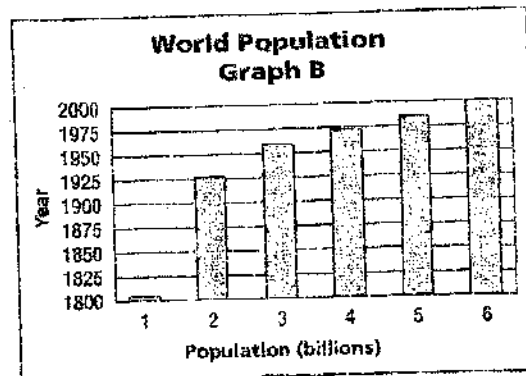
Create a stem-and-leaf plot for each set of data.

19 18, 17, 12, 24, 17, 33, 21, 22, 14, 31, 30, 20, 16, 35

20 122, 120, 135, 130, 148, 131, 142, 122, 133, 143, 135, 132



Source: www.pbs.org

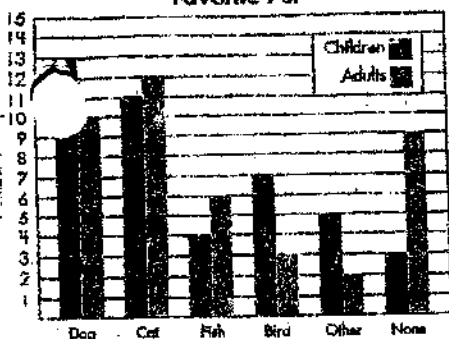


Source: www.pbs.org

For Exercises , refer to the graphs below.

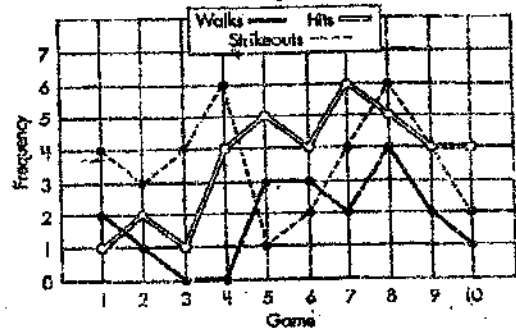
21. What was the world's population in 1999?
22. Which graph gives the impression that the world's population skyrocketed between 1800 and 1925? Explain.
23. Are the vertical axis and the horizontal axis in either graph misleading? Explain.

Favorite Pet



This graph shows the favorite pets of adults and children who were surveyed.

Pitching Record



This graph shows the pitching record for the first 10 baseball games. As shown in the key, a different kind of line is used for each event being recorded.

Use the bar graph above to answer each question.

- a. How many people responded to the survey? \_\_\_\_\_
- b. How many adults responded? How many children? adults: \_\_\_\_\_ children: \_\_\_\_\_
- c. How many adults chose fish? \_\_\_\_\_
- d. How many children chose cat? \_\_\_\_\_
- e. How many more adults than children preferred cats? \_\_\_\_\_
- f. How many more children chose dog than bird? \_\_\_\_\_
- g. Which pet was chosen by the most adults? \_\_\_\_\_
- h. Which pet (other than none) was chosen by the fewest children? \_\_\_\_\_
- i. How many total people chose bird? \_\_\_\_\_

Use the line graph above to answer the following questions.

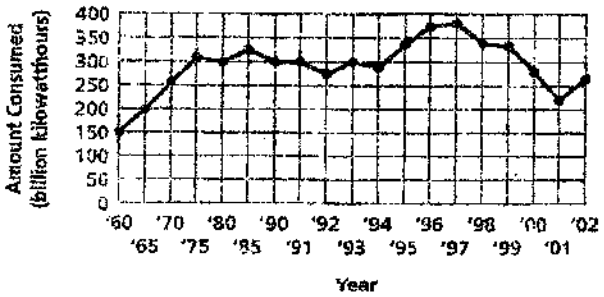
- a. How many total hits were given up? \_\_\_\_\_
- b. What was the total number of walks? \_\_\_\_\_
- c. Which game had the same number of strikeouts and hits? \_\_\_\_\_
- d. How many games had no walks? \_\_\_\_\_
- e. Which game(s) had 6 strikeouts? \_\_\_\_\_
- f. In which game(s) did the pitcher give up the fewest hits? \_\_\_\_\_
- g. Over the course of 10 games, were there more walks or more strikeouts? \_\_\_\_\_
- h. How many more hits were there in game 5 than in game 4? \_\_\_\_\_

Choose an appropriate style of display for each data set. Justify your choice.

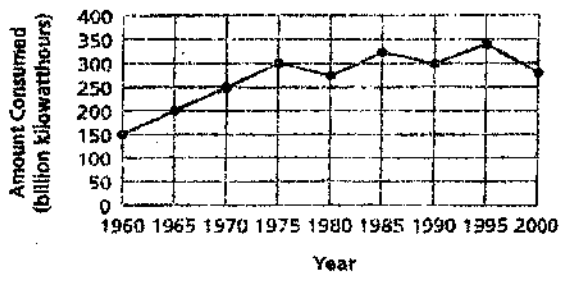
- a. monthly price of apples over a two year period.
- b. results of a poll of 30 students favorite type of candy
- c. the income of the middle 50% of U.S. households

For Exercises 24-26 refer to the graphs below.

U.S. Consumption of Hydroelectric Power, 1960-2002 Graph A

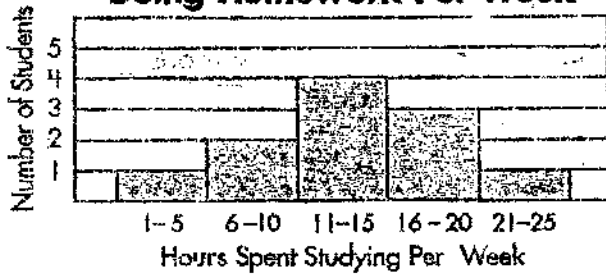


U.S. Consumption of Hydroelectric Power, 1960-2002 Graph B



- 1. What was the U.S. consumption of hydroelectric power in 1990?
- 2. Which graph gives the impression that the use of hydroelectric power in the United States has experienced many dips as well as rises between 1975 and 2002?
- 3. What causes the graphs to differ in their appearance?

### Number of Hours Spent Doing Homework Per Week



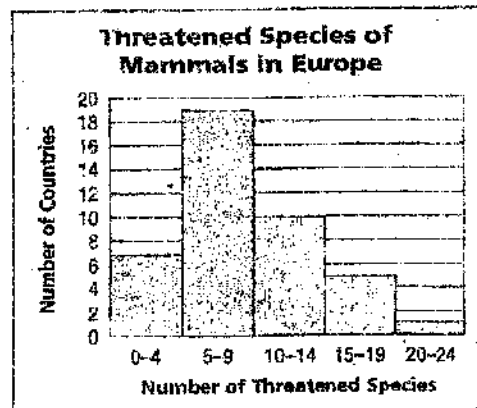
In this histogram, each bar represents an **interval** of 5 hours. The intervals are equal. The bars are **consecutive**, or in sequence one after the other.

Use the histogram above to answer each question.

24. How many students were surveyed? \_\_\_\_\_
25. Which two intervals (bars) were selected by an equal number of students? \_\_\_\_\_ and \_\_\_\_\_
26. How many students chose each of those intervals? \_\_\_\_\_
27. Which interval was selected by the most students? \_\_\_\_\_
28. How many more students do 16-20 hours of homework than 1-5 hours? \_\_\_\_\_

For Exercises 29-32 use the histogram at the right.

29. What size are the intervals?
30. How many countries have nine or fewer threatened species?
31. Which interval contains the median number of endangered species?
32. Can you tell from the histogram whether any of the countries have zero threatened species? Explain.



Source: www.redlist.org

Candace polled her cousins about their height. She wrote down their answers in inches. These are the results: 70, 68, 60, 63, 73, 66, 71, 66.

33. How many cousins did Candace poll? \_\_\_\_\_ What is the mode of the data? \_\_\_\_\_
34. What is the median height? \_\_\_\_\_ What is the mean height? \_\_\_\_\_
35. What is the range of the heights? \_\_\_\_\_