

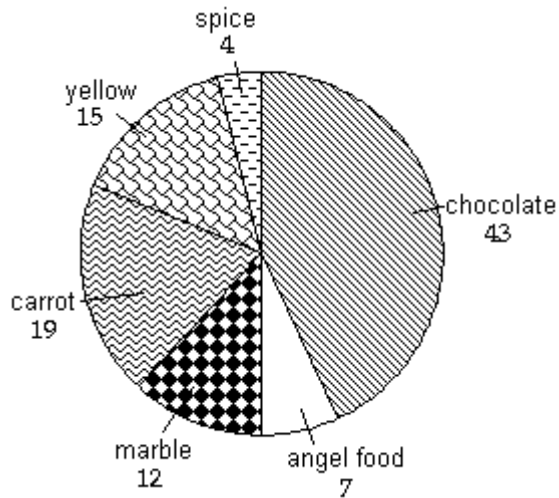
NAME _____

MATH 095
CHAPTER 7 & 8 REVIEW
SHOW ALL WORK

Solve.

- 1) A basketball player made 34 out of 100 attempted free throws. What percent of free throws was made?

A group of 100 adults were asked what type of cake was their favorite. The circle graph shows the results.



- 2) What percent preferred angel food cake?

Write the percent as a decimal.

3) 77%

4) 7.2%

5) 800%

Write the decimal as a percent.

6) 9.8

7) 0.066

Write the percent as a fraction or mixed number in simplest form.

8) 40%

9) $24\frac{3}{8}\%$

Write the fraction or mixed number as a percent.

10) $\frac{2}{3}$

11) $9\frac{4}{5}$

Solve.

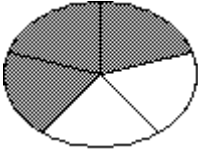
12) Write the equivalent decimal and percent for $\frac{21}{40}$.

13) Write the equivalent fraction and decimal for 2.1%.

14) Write the equivalent decimal and fraction for $83\frac{1}{3}\%$.

Determine what percent of the figure is shaded.

15)



Translate to an equation and solve.

16) 75% of 72 is what number?

17) 15 is 6% of what number?

18) 70 is what percent of 50?

Solve.

19) One day 24 programmers were sick with the flu. If this were 48% of the total number of programmers, how many programmers were there altogether?

Solve. Round to the nearest tenth, if necessary.

20) Last year, Mia bought a share of stock for \$11.80. She was paid a dividend of \$3.54. Determine what percent of the stock price is the dividend.

Solve. Round the answer to the nearest cent, if necessary.

- 21) A union contract calls for a 6.2% salary increase for all employees. Determine the increase for a worker who is currently making \$42,480.

Solve. Round to the nearest tenth, if necessary.

- 22) The number of video stores in a region recently decreased from 97 to 69. Find the percent decrease.

Solve.

- 23) What is the sales tax on a camera priced at \$150 if the sales tax rate is 6.7%?

24) A salesperson earned a commission of \$ 5005 for selling \$ 45,500 worth of office supplies to various stores. Find the commission rate.

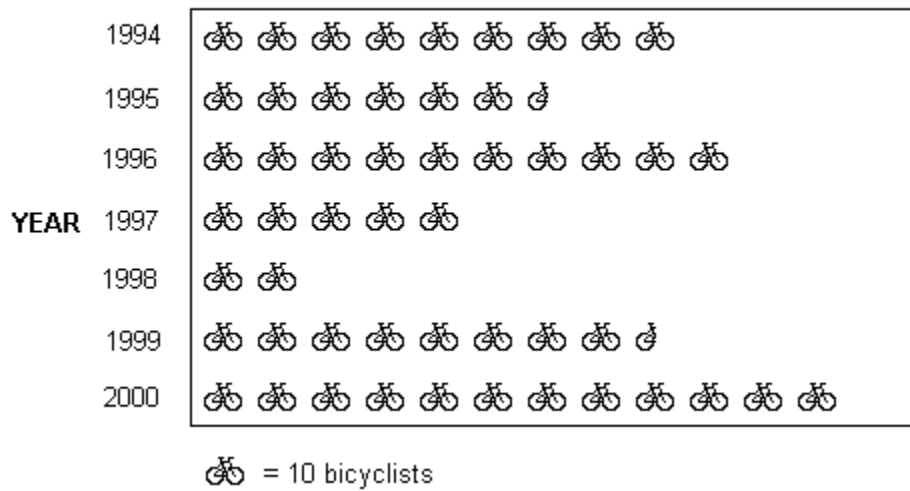
25) Find the amount of discount when the original price is \$ 76.00 and the discount rate is 25%.

26) Find the discount rate when the original price is \$ 107.00 and the amount of the discount is \$ 41.40.

27) Find the simple interest when: Principal = \$ 810, Rate = 9%, Time = 8 years.

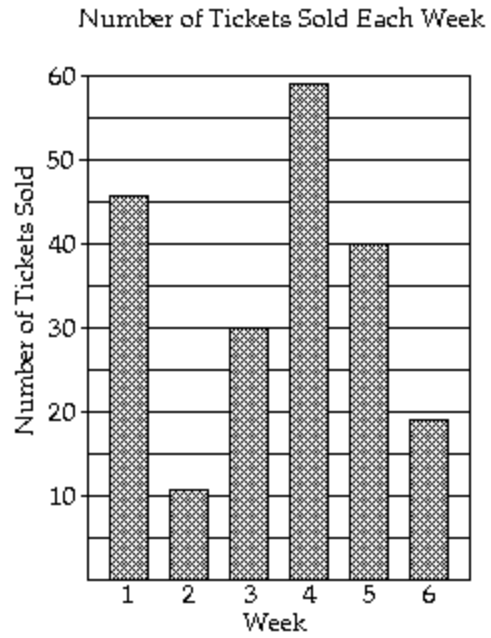
The pictograph shows the number of bicyclists who participated in the Labor Day weekend bicycle race for the years 1994-2000.

The Number of Bicyclists in Race



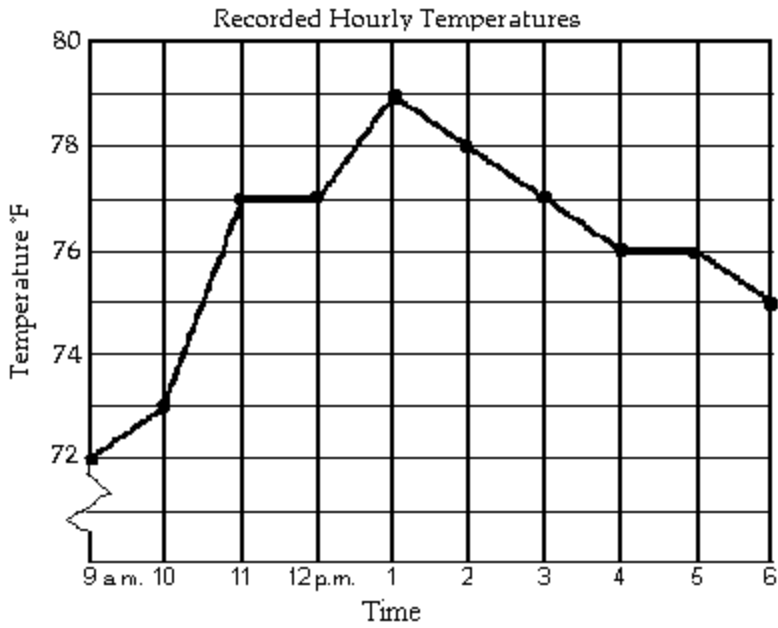
28) In what year did the least number of cyclists participate?

The bar graph shows the number of tickets sold each week by the garden club for their annual flower show.



29) What is the difference between the number of tickets sold in week 5 and the number of tickets sold in week 3?

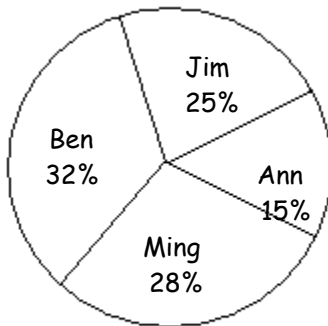
The line graph shows the recorded hourly temperatures in degrees Fahrenheit at an airport.



30) During what hour(s) did the temperature remain the same?

The circle graph shows the results of the student council presidential election and the percent of the vote each person received.

31) Student Council President



700 total votes

Who got the most votes?