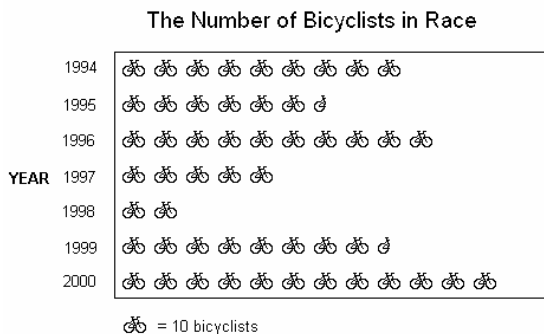
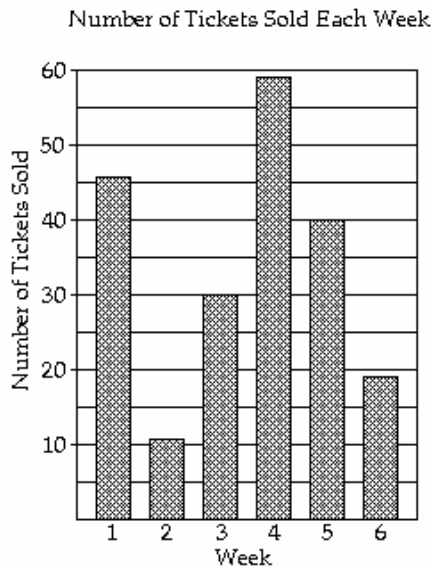


The pictograph shows the number of bicyclists who participated in the Labor Day weekend bicycle race for.



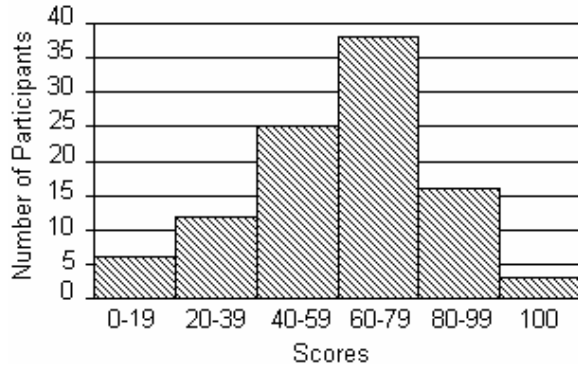
- 1) In what year did the greatest number of cyclists participate? 1) _____
- 2) What was the least number of cyclists to participate in any one year? 2) _____
- 3) How many cyclists participated in 1996? 3) _____

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



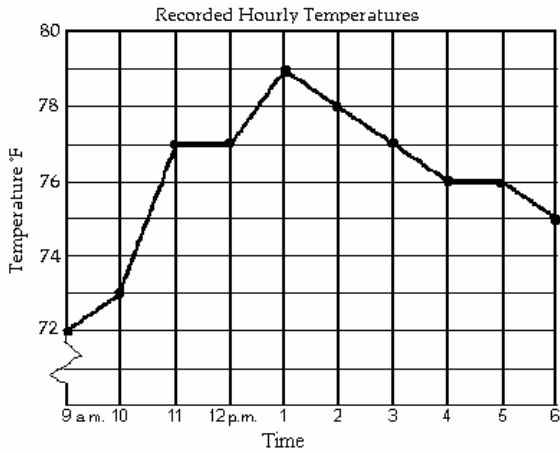
- 4) During which week was the most number of tickets sold? 4) _____
- 5) During which week was the fewest number of tickets sold? 5) _____
- 6) How many tickets were sold during week 5? 6) _____

The histogram shows the scores of each participant in a game from a total of 100 participants.



- 7) How many participants scored 20-39? 7) _____
- 8) How many participants scored fewer than 40? 8) _____
- 9) How many more participants scored 60-79 than 40-59? 9) _____

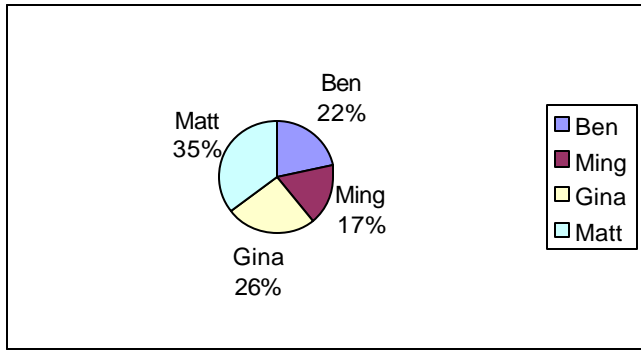
The line graph shows the recorded hourly temperatures in degrees Fahrenheit at an airport.



- 10) At what time was the temperature its lowest? 10) _____
- 11) What temperature was recorded at 1 p.m.? 11) _____

The circle graph shows the results of the student council presidential election and the percent of the vote each person received. There was a total of 200 votes cast.

12) Student Council President



Who received the second most number of votes? _____

How many votes did Gina receive? _____

What is the ratio of Ben's votes to Gina's votes? Simplify. _____

Find the mean. If necessary, round to one decimal place.

13) 17, 1, 2, 17 13) _____

Find the median. If necessary, round to one decimal place.

14) 2, 10, 13, 27, 33, 44, 47 14) _____

Find the mode or modes (if any).

15) 5, 9, 89, 3, 2, 8, 90, 1, 4, 16 15) _____

Solve. If necessary, round answers to the nearest hundredth.

16) The following test scores were recorded for a student: 75, 70, 68, 64, 70, 56, 66.
Find the mean, median, and mode. 16) _____

Find the probability of the event.

17) If a single die is tossed once, find the probability of tossing a 2. 17) _____

Find the probability of the event if a single choice is made from a bag.

18) A bag contains 6 red marbles, 9 blue marbles, and 7 green marbles. What is the probability of choosing a blue marble when one marble is drawn? 18) _____

19) A bag contains 24 balls numbered 1 through 24. What is the probability of choosing a ball numbered 25? 19) _____

Convert the measurement as indicated.

20) 144 in. to feet 20) _____

21) 6.2 mi to feet 21) _____

22) 30 ft to yards 22) _____

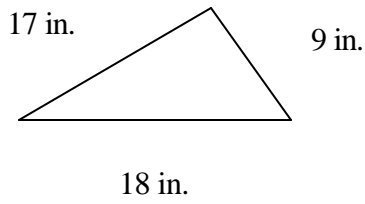
23) 96 m to cm 23) _____

24) 98 mm to cm 24) _____

25) 900 m to km 25) _____

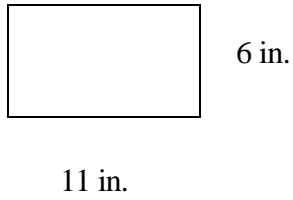
Find the perimeter of the figure.

26)



26) _____

27) ?

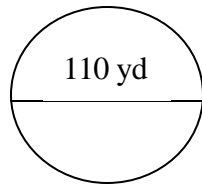


? 7) _____

Find the circumference of the circle.

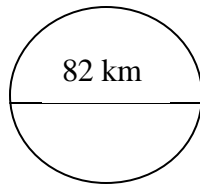
28) Give the exact circumference.

28) _____



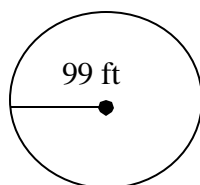
29) Approximate the circumference. Use π on the calculator. Round to the nearest hundredth.

29) _____



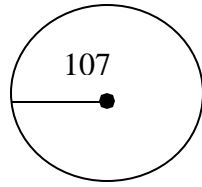
30) Give the exact circumference.

30) _____



31) Approximate the circumference. Use π on the calculator.
Round to the nearest hundredth.

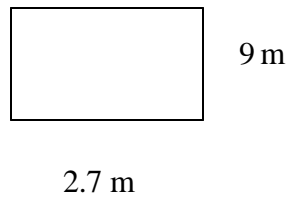
31) _____



Find the area of the geometric figure.

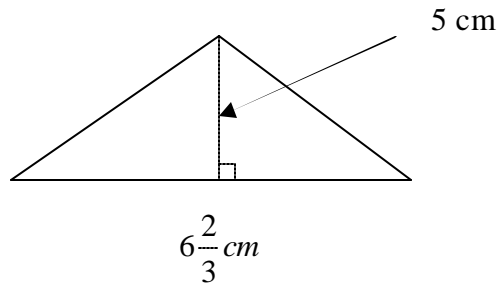
32) Rectangle

32) _____



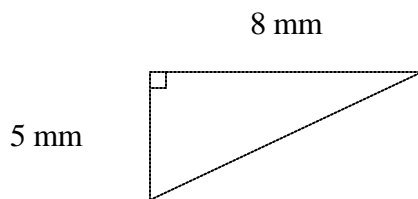
33)

33) _____



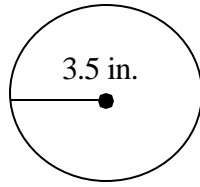
34)

34) _____



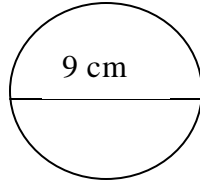
35) Use π on the calculator. Round the answer to the nearest hundredth.

35) _____



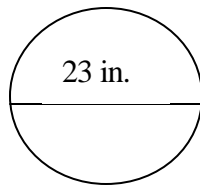
36) Use π on the calculator. Round to the nearest thousandth.

36) _____



37) Find the exact area.

37) _____



Convert as indicated.

38) 6000 lb to tons

38) _____

39) 8250 lb to tons

39) _____

40) 848 oz to pounds

40) _____

41) 400 g to kg

41) _____

42) 40 kg to g

42) _____

43) 160 mg to g

43) _____

44) 72 fl oz to cups

44) _____

45) 37 qt to gallons

45) _____

46) $2\frac{1}{2}$ pt to cups

46) _____

47) 90 L to ml

47) _____

48) 0.51 kl to liters

48) _____

49) 0.6 ml to dl

49) _____

DSPM 0700 Chapters 8, 9 Practice Test Answers

- 1) 2000
- 2) 20 cyclists
- 3) 100 cyclists
- 4) week 4
- 5) week 2
- 6) 40 tickets
- 7) 12 participants
- 8) 18 participants
- 9) 13 participants
- 10) 9 a.m.
- 11) 79 degrees F
- 12) Gina; 52 votes; $\frac{11}{13}$
- 13) 9.3
- 14) 27
- 15) no mode
- 16) mean: 67, median: 68, mode: 70
- 17) $\frac{1}{6}$
- 18) $\frac{9}{22}$?
- 19) 0?
- 20) 12 ft
- 21) 32,736 ft
- 22) 10 yd
- 23) 9600 cm
- 24) 9.8 cm
- 25) 0.9 km
- 26) 44 in.?
- 27) 34 in.
- 28) 110 **p** yd
- 29) 257.61 km
- 30) 198 **p** ft
- 31) 672.30
- 32) 24.3 sq. m
- 33) $16\frac{2}{3}$ sq. cm
- 34) 20 sq. mm
- 35) 38.48 sq. in.
- 36) 63.617 sq. cm
- 37) 132.25**p** sq. in.
- 38) 3 tons
- 39) $4\frac{1}{8}$ tons
- 40) 53 lb
- 41) 0.4 kg
- 42) 40,000g
- 43) 0.16g
- 44) 9 c
- 45) $9\frac{1}{4}$ gal
- 46) 5 c
- 47) 90,000 ml
- 48) 510 L
- 49) 0.006 dl