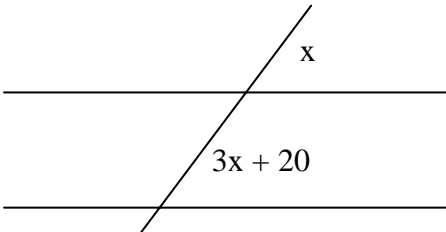


1. A fair coin is tossed 5 times . What is the probability of getting all 5 heads?
2. A couple plans to have three children, what is the probability of having at least one girl?
3. Sharon has 3 skirts, 4 blouses and 2 pairs of shoes in her closet, assuming they can be made to match, how many different outfits does she have available to wear?
4. The batting average of a baseball player is .300. What is the probability that he will hit twice in a row?
5. How many four digit numbers can be formed if the first digit can not be zero and the last digit must be odd.
6. To make a circle graph for the following data, find the measure of the central angle for Food.

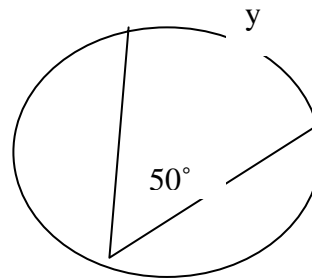
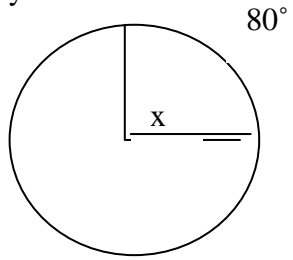
Savings	\$300
Housing	500
Clothing	200
Food	800
Other	200

7. The mean salary of 24 people is \$9000. How much will one additional salary of \$80,000 increase the mean salary?
8. Find the mean, median, mode and range for the following data:
10, 12, 9, 11, 8, 10, 6, 2, 5, 7
9. An assembly line has two inspectors. the probability that the first inspector will miss a defective item is 0.05. If the defective item passes the first inspector, the probability that the second inspector will miss it is 0.01. What is the probability that the defective item will pass by both inspectors?

10. A mortgage company requires new car buyers to put a 15% down payment on new loans. If Mr. Jones would like to purchase a new car priced at \$30,000, how much of a down payment will he need ?
11. Paul had 21 of 25 questions correct on his chemistry test, what percent grade did he earn ?
12. Last year Dale earned \$25,000, this year his income is \$29,000. What percent raise did he receive ?
13. A stereo that is priced at \$280 goes on sale Saturday at 25 % off. If Jackie wants to buy the stereo at that time, she'll have to pay a sales tax of 8 % at the time of purchase. What is the total cost of the stereo to Jackie ?
14. A store drops the price of a certain type of radios 25% to a sale price of \$ 68. What was the original price of the radio ?
15. Bob is running in a marathon. he finished $\frac{3}{4}$ of the race and still has 16 miles to run. How many miles has he ran?
16. If a pound and a half of steak costs \$4.98, how much would one pound cost?
17. In Bob's math class, for every five students the class has three computers, how many computers will be needed if there are 40 students in the class?

18.  Find the value of x.

19. Find x and y .



29. The complement of a 55 degree angle is _____