Chapter 18: Probability

Answer the following questions:

1. There are 5 marbles in a bag: 4 are blue, and 1 is red. What is the probability that a blue marble gets picked?

2. If you roll a 6-sided dice, what is the probability of rolling an even number?

3. If you roll a 6-sided dice, what is the probability of rolling a three?

4. If you roll a 6-sided dice, what is the probability of rolling an odd number?

5. If you toss a coin, what is the probability of getting "tail"?

6. There are a few types of fruits in a basket: 2 are apples, 3 are oranges and 5 are lemons. What is the probability that a lemon gets picked?

Find the mean for the following numbers.

1.   5   7   15   1   23   8   4

2.   9   13   1   20   23   3   17   2   7   5

3.   56   12   28   45   19

4.   6.5   12.8   8.7   4.5   1.5   20

5.   5   7   15   1   23   8   4

Find the median for the following numbers.

1.   4   2   11   2   6

2.   21   35   1   40   17

3.   23   10   15   38   7   51

4.   21   25   11   4   48   73

Find the mode for the following numbers:

1. 7   6   5   8   7   5   9   3   5   4

2. 7   6   5   8   7   5   9   3   5   7

3. 13   16   12   11   8   14   12   18

4. 7   6   10   13   7   2   5   6   7

5. 2   23   15   23   26   9   24   22   11   9   23

6. 11   18   5   24   12   3   18   13