## 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. $\begin{array}{llllllll}1 . & 5 & 7 & 15 & 1 & 23 & 8 & 4\end{array}$
2. $9 \begin{array}{llllllllll} & 9 & 13 & 1 & 20 & 23 & 3 & 17 & 2 & 7 \\ 5\end{array}$
3. $\begin{array}{lllll}56 & 12 & 28 & 45 & 19\end{array}$
4. $6.5 \quad 12.8$
$8.7 \quad 4.5$
$1.5 \quad 20$
5. $\begin{array}{lllllll}5 & 7 & 15 & 1 & 23 & 8 & 4\end{array}$

Find the median for the following numbers.

1. $4 \quad 2 \quad 11 \quad 2 \quad 6$
2. $\begin{array}{lllll}21 & 35 & 1 & 40 & 17\end{array}$
3. $23 \begin{array}{llllll}23 & 10 & 15 & 38 & 7 & 51\end{array}$
4. $\begin{array}{llllll}21 & 25 & 11 & 4 & 48 & 73\end{array}$

Find the mode for the following numbers:

1. 7
65
87
593
54
2. $\begin{array}{llllllllll}7 & 6 & 5 & 8 & 7 & 5 & 9 & 3 & 5 & 7\end{array}$
3. $\begin{array}{llllllll}13 & 16 & 12 & 11 & 8 & 14 & 12 & 18\end{array}$
$\begin{array}{llllllllll}4 . & 7 & 6 & 10 & 13 & 7 & 2 & 5 & 6 & 7\end{array}$
4. $2 \begin{array}{lllllllllll}23 & 15 & 23 & 26 & 9 & 24 & 22 & 11 & 9 & 23\end{array}$
5. $\begin{array}{llllllll}11 & 18 & 5 & 24 & 12 & 3 & 18 & 13\end{array}$
