

DRILL SHEET 24 - PROBABILITY

1. What is the probability of getting a three on a single toss of a fair cubical die?
2. A fair cubical die is tossed. What is the probability that a prime number will show?
3. Seven slips, each containing one letter of the word CONTEST are placed in an envelope. If one slip is drawn at random, what is the probability that the letter is a vowel?
4. Two fair cubical dice are tossed. What is the probability that the dice will show a sum of four?
5. If a marble is chosen at random from a bag containing six red marbles and four blue marbles, what is the probability that the chosen marble is blue?
6. If a marble is chosen at random from a bag containing 9 white marbles and 3 black marbles, what is the probability that the chosen marble is white?
7. If a bag contains 5 red marbles, 3 green marbles, and 4 blue marbles, in a single draw what is the probability of not drawing a blue marble?
8. A bag contains 5 red marbles, 3 green marbles, and 2 blue marbles. If one marble is drawn at random, what is the probability that the marble will not be green?
9. If a fair coin is tossed. what are the odds favoring a head showing?
10. If a fair cubical die is tossed, what are the odds favoring a number greater than two showing?
11. The probability of having rain is  $\frac{1}{4}$ . The probability of having homework is  $\frac{5}{6}$ . What is the probability of having no rain but having homework?
12. The probability of having an assignment in science is  $\frac{4}{5}$ . The probability of having an assignment in math is  $\frac{7}{8}$ . What is the probability of having assignments in both science and math?