

Name _____ Date _____

Problems Involving AND & OR- Worksheet 1

Complete the following problems.

1. In a game a dice is rolled with numbers 14 through 19. What is the probability that the value of roll will be multiples of three or nine?
2. Mark has 4 R-1 bikes, 2 FZR bikes, and 2 CBR bikes in his garage. What is the probability of selecting a CBR bike from his garage?
3. Express the probability in which E or R is selected from the word EXTREME.
4. What is the probability to pick a queen or a 9 card in a row out of a 52-card deck?
5. A number cube has 6 sides. The sides are numbered 3 to 8. If the cube is thrown once, what is the probability of rolling 2 and multiple of 4?
6. What is the probability of getting a diamond or a black card?
7. A Mall has 15 shops: 5 are garments, 4 are candies, and 6 are accessories shops. What is the probability that we will go shopping in accessories or q candy shop?
8. Find the probability of randomly choosing the letter O or T from a board that contains the letters in the word HOSTEL.
9. Out of 140 books in a library, 40 had historic content, 50 are based on Accountancy, and 60 are based on Mathematics. Find the probability of choosing a book with Historic or Accountancy content.
10. A glass shelf contains 5 cups, 7 glasses, and 3 plates. What is the probability against selecting a cup or plate from the shelf?