

Name \_\_\_\_\_

Date \_\_\_\_\_

## Problems Involving AND & OR-Worksheet 2

Complete the following problems.

1. From 26 letters, there are 5 letters called vowels. Find the probability of selecting a letter B or Y?
2. A child has six numbered dice numbering from 7 to 12. If the child throws the dice. What is the probability that the number appearing on the dice is a multiple of 5 or 6
3. A glass shelf contains 10 trophies, 5 frames, and 3 shields. What is the probability against selecting a shield or trophies from the shelf?
4. Assuming that an apple dropped from a height will land on any one of the 12 buckets in which 4 buckets are red colored and 3 buckets are blue colored. What is the probability that the apple dropped will land in the bucket which is not red or blue ?
5. Find the probability of randomly choosing the letter S or T from a game board that contains the letters AUSTRALIA?
6. Max rolled a six-sided die. The sides show dots that range from 8 dots to 13 dots. What is the probability the side with 9 or 11 dots will appear on the top of the die?
7. A basket contains 10 flowers: 4 are tulips, 3 are roses and 3 are daisies. What is the probability that one will pick a tulip or rose flower?
8. If one letter is chosen at random from the word TIRANOSAURUS, what is the probability that the letter chosen is the letter S or U?
9. A number cube has 6 sides. The sides are numbered 1 to 6. If the cube is thrown once, what is the probability of rolling 5 and multiples of 4?
10. What is the probability that a randomly selected 65 to 100 number is divisible by 4 and 15?