Name _____ Date _____ Period ___

Complement ME

1. A jar contains 10 blue marbles, 4 red marbles, and 8 white marbles. What is the probability of drawing a blue marble from the bag?

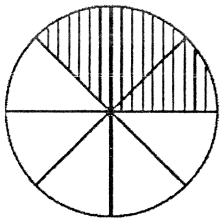
2. A jar contains 10 blue marbles, 4 red marbles, and 8 white marbles. What is the probability of *not* drawing a blue marble from the bag?

3. Change the answers from numbers 1 and 2 into percentages and add them together.

   P(blue) = P(*not* blue) =
   P(blue) + P(*not* blue) =
   What do you notice?

4. A spinner has five equal portions colored orange, red, blue, yellow, and green. What is the probability of *not* spinning a red or an orange?

5. There are 20 beads in a bag, of which 8 beads are white, 2 beads are yellow, 6 beads are green, and the rest are blue. Janina will choose one bead from the bag without looking. What is the probability of her *not* choosing a white bead?



6. If a randomly thrown dart hits this target, what is the probability that it will *not* hit the shaded region?

7. A bag contains five red marbles and one white marble. The marbles are randomly selected one at a time. What is the probability of *not* picking the white marble?

8. A bag contains 7 red marbles, 6 white marbles, and 5 blue marbles. Find the probability of the complement of obtaining a red marble in a single draw.

9. The probability of an event occurring is 1 out of 5. Find the probability of the event *not* occurring.

10. The probability of an event occurring is 1 out of 10. Find the probability of the event *not* occurring.

11. If you spin the spinner to the right, what is the probability of the pointer landing on R?

12. If you spin the spinner to the right, what is the probability of the pointer landing on any letter other than B?

13. If you spin the spinner, what is the probability of the pointer *not* landing on G?