Name _____   **Date** _____

Cinco de Mayo Probabilities

Read each problem carefully and determine the probability of the simple event. Simplify answers.

1. You have a game spinner with 10 possible positions to land on. If 7 of the positions are winners and 3 of the positions are losers, what is the probability that you will land on a losing position?

    _____

2. The card dealer lays 5 cards face down on the table. The cards are numbered 1 through 5. What is the probability that you will choose number 4?

    _____

3. Chester has 4 tickets. Two of the tickets are red. What is the probability that Chester will randomly choose a red ticket?

    _____

4. Hannah wants to go to the movies and Billy wants to go to the amusement park. They decide to flip a coin to decide. What is the probability percentage that Hannah will win?

    _____

5. There are 12 pies sitting on the table. Four of the pies are blueberry. What is the probability that a randomly selected pie will be blueberry?

    _____

6. There are 20 different prizes at the ball toss game. There are 4 prizes that Becky would like to win. What is the probability that a randomly won prize would be one of the 4?

    _____

7. A new game table just opened up. To win you must land on the correct number on the spinner. There are 4 different numbers on the spinner. What is the probability percentage of landing on the correct number?

    _____

8. There are 14 milk cartons sitting on a table. Four of the bottles are blue. Knock any one of the blue cartons over and you win a prize. What is the probability that someone can knock down a blue milk carton?

    _____

Cinco de Mayo Probabilities

Read each problem carefully and determine the probability of the simple event. Simplify answers.

1. You have a game spinner with 10 possible positions to land on. If 7 of the positions are winners and 3 of the positions are losers, what is the probability that you will land on a losing position?

    3/10

2. The card dealer lays 5 cards face down on the table. The cards are numbered 1 through 5. What is the probability that you will choose number 4?

    1/5

3. Chester has 4 tickets. Two of the tickets are red. What is the probability that Chester will randomly choose a red ticket?

    1/2

4. Hannah wants to go to the movies and Billy wants to go to the amusement park. They decide to flip a coin to decide. What is the probability percentage that Hannah will win?

    50%

5. There are 12 pies sitting on the table. Four of the pies are blueberry. What is the probability that a randomly selected pie will be blueberry?

    1/3

6. There are 20 different prizes at the ball toss game. There are 4 prizes that Becky would like to win. What is the probability that a randomly won prize would be one of the 4?

    1/5

7. A new game table just opened up. To win you must land on the correct number on the spinner. There are 4 different numbers on the spinner. What is the probability percentage of landing on the correct number?

    25%

8. There are 14 milk cartons sitting on a table. Four of the bottles are blue. Knock any one of the blue cartons over and you win a prize. What is the probability that someone can knock down a blue milk carton?

    2/7