



March 23 – 27, 2020

Activity #3: Odds and Evens Game (20 points)

Materials Needed:

- Bond paper
- Die (improvised die will do)
- 2 position markers (any small things)
- Pen and paper

This is a game wherein each player will have the chance to try out their luck. You will need a paper divided into 4 x 4 square with labels “Start” at the lower right corner and “Finish” at the upper left corner.

Game instructions:

1. Each player will roll a die and the one with the higher value will roll the die first.
2. If the die produced an even, the marker of the player will move upward one square and if odd, the player will move one square to the left.
3. Each player will take turns in rolling the die.
4. If the marker moves out of the board because of the required move, the player will have to start all over again.
5. The player who reaches the “Finish” box wins the game.
6. Each player should record the number of moves he or she did in order to win.
7. Repeat the game twice and record the results on your paper.

Guide questions to be answered on a one whole sheet of paper. Answers must be in paragraph form.

1. How many “odds” and “evens” do you need to win the game?
2. What is the experimental and theoretical probability of winning the game?
3. Was it easy doing the board and figuring out how to win in the game? If not, what made it difficult?
4. Did you ask help in doing this game? How about in figuring out techniques to win in the game? Who helped you?
5. Did you enjoy playing the game? Why?
6. What techniques did you use to win the game?
7. What are the things you have learned in doing the game?
8. Did you find this lesson interesting and relevant to your daily life? How?

Activity #4

Answer the following on a one whole sheet of paper. (10 points)

1. TERE CARINDERIA offers 4 variant for lunch which consists of sandwich; chicken mayonnaise, cheese and tomato, tuna mayonnaise and ham and cheese, dessert; ice cream, piece of cake, soup; tomato, chicken noodle, and vegetable. And for drinks; tea, coffee, coke, Fanta and, sprite. How many possible meals are there?
2. In how many ways can you arranged the letters A, B, C and D into three letter pattern of;
 - a. Repetition is allowed?
 - b. Repetition is not allowed?
3. A school plays a series of 6 basketball matches. For each match there are 3 possibilities; a win, a loss or a tie. How many possible results are there for a series?
4. A debit card requires a six digit personal identification number (PIN) consisting of digits from 0 to 9. The digits may be repeated. How many possible PINs are there?