|  |
| --- |
| Use the following information to fill in the Venn Diagram below. |
| 100 people were asked if they liked Math, Science, or Social Studies. Everyone answered that they liked at least one. |
| 56 like Math 18 like Math and Science  43 like Science 10 like Science and Social Studies  35 like Social Studies 12 like Math and Social Studies |
| 6 like all three subjects |

|  |
| --- |
| 1. How many people like Math only? 2. How many people like Science only? 3. If one person is chosen at random, what is the probability that that person will like Science and Math? 4. If one person is chosen at random, what is the probability that that person will like only   Math?   1. If one person is chosen at random, what is the probability that that person will not like Science? 2. If one person is chosen at random, what is the probability that that person will like   Science or Math?   1. If one person is chosen at random, what is the probability that that person will like Science but not math? |

**Rock-Paper-Scissors**

**Part One – Must have 1 partner ☺**

1. Do you think each player has an equal chance of winning? Why or why not?

2. With your partner, determine who will be player A and who will be player B. Then play the game of rock-paper-scissors 18 times. Record the results of the game in the table below.

**Write W for win, L for loss, and T for tie.**

|  |  |  |
| --- | --- | --- |
| Game # | Player A | Player B |
| 1 |  |  |
| 2 |  |  |
| 3 |  |  |
| 4 |  |  |
| 5 |  |  |
| 6 |  |  |
| 7 |  |  |
| 8 |  |  |
| 9 |  |  |
| 10 |  |  |
| 11 |  |  |
| 12 |  |  |
| 13 |  |  |
| 14 |  |  |
| 15 |  |  |
| 16 |  |  |
| 17 |  |  |
| 18 |  |  |

3. Using the results from your games and the table above, complete the following table.

|  |  |  |
| --- | --- | --- |
|  | Player A | Player B |
| Number of Wins |  |  |
| Number of Losses |  |  |
| Number of Ties |  |  |

4. How many total wins did each player have?