Rock, paper, scissors, lizard, Spock recording sheet

1. Fill in your estimates of the probabilities as fractions, decimals or percentages to complete the statement.
2. For Rock, paper, scissors, lizard, Spock, I think the **theoretical probability** for the outcome of each game is:

Winning Losing Tying

Explain your answer:

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Run the probability simulation and complete the table.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Games | Result / number of games | | | Experimental probability  (as a percentage) | | |
| Wins | Losses | Ties | Wins | Losses | Ties |
| 1–12 |  |  |  |  |  |  |
| 1–24 |  |  |  |  |  |  |
| 1–48 |  |  |  |  |  |  |

1. Complete the sentence: Now I have done the experiment, I think the expected probability of winning is , losing is and tying is

because \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

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