***Sinner Station (GSP Fil)***



Identify the events & their probabilities:

State the variables:

State what you want to conclude about:

Write a conclusion statement.

|  |  |  |
| --- | --- | --- |
|  | Frequency | Relative Frequency  |
| Boy |  |  |
| Girl |  |  |
| Totals |  |  |

***Dice Station (need two dice)***



Identify the events & their probabilities:

State the variables:

State what you want to conclude about:

Write a conclusion statement.

|  |  |  |  |
| --- | --- | --- | --- |
| Die 1 | Frequency | Die 2  | Frequency |
| 1 |  | 1 |  |
| 2 |  | 2 |  |
| 3 |  | 3 |  |
| 4 |  | 4 |  |
| 5 |  | 5 |  |
| 6 |  | 6 |  |

***Cards (need 20 cards = 14 black numbers & 6 red face cards … use opposite to make a second group)***



Identify the events & their probabilities:

State the variables:

State what you want to conclude about:

Write a conclusion statement.

What is the percentage before making 6 in a row?

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

|  |  |
| --- | --- |
|  | Frequency (outcome count) |
| Did not make 6 in a row(number card before all face cards  |  |
| Made 6 in a row |  |

***Spinner Station #2 (gsp file – “Lucky Guessing”***



**Make Your Answer Key:**
Question 1 =
Question 2 =
Question 3 =
Question 4 =
Question 5 =
Question 7 =
Question 9 =
Question 10 =

**Use the spinner to write down the outcome for each question / spin.**

What did your simulation show?

Write an explanation including identifying the independent and dependent variables.

|  |  |  |
| --- | --- | --- |
|  | Frequency | Relative Frequency  |
| A |  |  |
| B |  |  |
| C |  |  |
| D |  |  |

***Random Number Generator***

**4 Children Family**

Matt Ryan’s passing completion percentage is 72%. Suppose he attempts 15 passes in a game. Use a random number generator to conduct 6 trials and record your results. Based on your results, what is the mean number of passes he will make in a game?

Use the following random number generator:



1) How did you conduct 6 trials using the same random number set?

2) Identify events & their probabilities

3) Assign numbers to events:

4) One trail equals …

3) List out your outcomes in a table?

**Free Response Question ( Due Friday )**