## TUESDAY, MAY 7, 2019

- Warm-up
  - Examine this portion of a random number table:

```
2
4
8
0
3
1
8
6
5
6
4
2
0
3
0
9
1
4
9
6

7
6
8
6
3
0
9
9
8
7
7
7
1
6
2
7
2

0
2
6
8
6
7
0
3
8
7
7
7
1
6
2
7
2
9

4
1
2
9
0
8
6
7
0
3
8
2
5
1
8
4
1
4
1

1
5
8
0
9
8
7
7
7
7
1
6
2
7
2
9
7

4
1
2
9
0
3
3
8
2
5
1
8
4
1
4
1
1
8
4
1
4
1
1
8
4
1
4
1
1
8
4
1
4
1
1
8
4
1
4
1</t
```

- a. How many digits are in the table? About how many 6s would you expect to find? How many are there? 23.24 (16) exactled
- **b.** About what percentage of digits in a large table of random digits will be even? 0,2,4,6,6 1,3,5,7,9 50/6
- Simulations what makes sense?
- Simulation lab

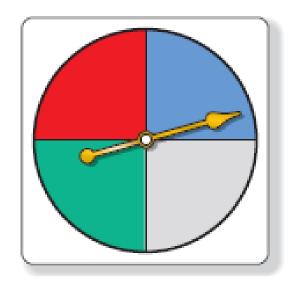
## **Objectives**

**Content**: I will use a coin random number table, and calculator to simulate an experiment. **Social**: I will do my best in class.

Language: I will use the correct vocabulary during the simulations and analysis of a simulation.

Explain how you can use the table of random digits in Problem 1 to simulate each situation given below. (You may have to disregard certain digits.) Then perform one run of your simulation.

- a. Flip a coin and see if you get heads or tails.
- b. Observe five coin flips and record how many heads you get.
- c. Observe whether it rains or not on one day when the prediction is 80% chance of rain.
- d. Select three cars at random from a large lot where 20% of the cars are black, 40% are white, 30% are green, and 10% are silver, and record the color.
- Spin the spinner shown here four times and record the colors.
- f. Roll a die until you get a 6 and record the number of rolls you needed.
- g. Select three different students at random from a group of ten students. How is this problem different from the others you have done?



 Select three different students at random from a group of seven students. 20-79 R 20-99 NO 1-8 R 100 9,0 NO

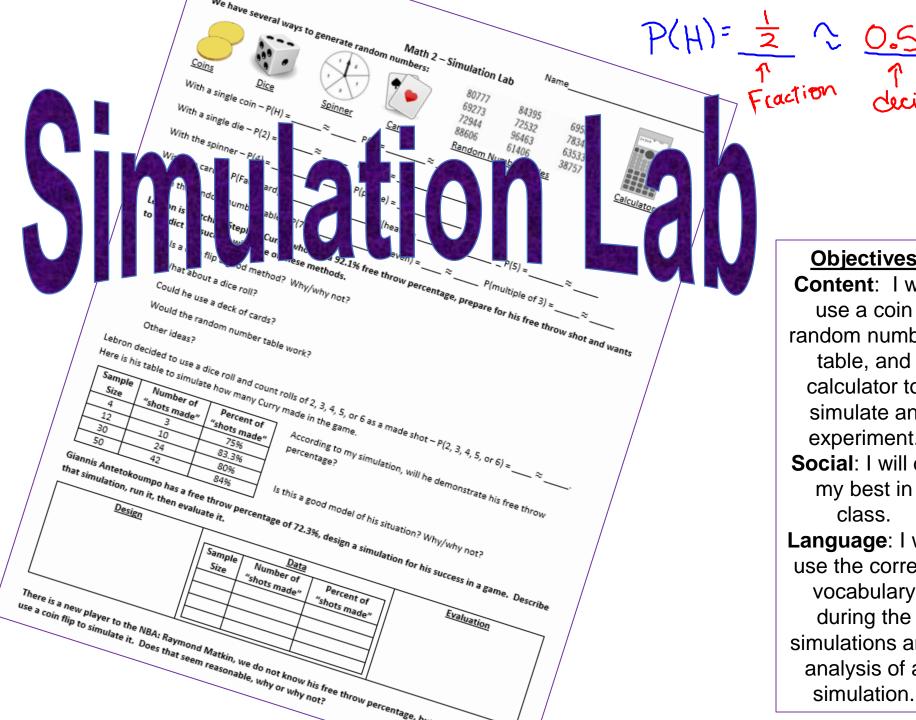
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