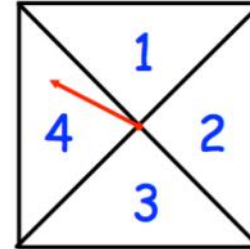


# Friday, April 19, 2019

## • Warm-up

- Jared is playing a game with a fair four sectioned spinner and a fair coin.
- He spins the spinner and flips the coin.
- If the coin lands on heads, his score is one more than the number on the spinner.
- If the coin lands on tails, his score is the number of the spinner doubled.
- Complete the table to show the sample space for total points.



## • Probability Stations

		Spinner			
		1	2	3	4
Coin	Heads	2	3	4	5
	Tails	2	4	6	8

### Objectives

**Content:** I will use the definition of probability in game situations.

**Social:** I will participate in the class activities.

**Language:** I will use the following vocabulary **probability**, **favorable outcome**, **total outcomes** and **replacement** in my reading, writing and speaking.

# More With Probability

8 total

Spinner

Find the following probabilities

$$P(4) = \frac{2}{8} = \frac{1}{4}$$

$$P(5 \text{ or more}) = \frac{3}{8}$$

$$P(\text{a spin of } \underline{2} \text{ and } \underline{3}) = \frac{0}{8} = 0$$

$$P(\text{a spin of } \underline{2} \text{ or } \underline{3}) = \frac{2}{4} = \frac{1}{2}$$

$$P(2 \text{ scores of } 8 \text{ in a row}) = \frac{1}{8} \cdot \frac{1}{8} = \frac{1}{64}$$

		1	2	3	4
Coin	Heads	2	3	4	5
	Tails	2	4	6	8

$$P(\text{event}) = \frac{\text{favorable}}{\text{all}}$$

$$P(2) = \frac{1}{4} \quad P(3) = \frac{1}{4}$$

$$P(2 \text{ or } 3) = \frac{1}{4} + \frac{1}{4}$$

$$= \frac{2}{4} = \frac{1}{2}$$

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# Probability Stations

“  
Spinners  
1 & 5  
”

on your own paper

“  
Dice  
4 & 8  
”

↑  
use your dice table from Tuesday class

“  
2 & 6  
Cards  
”

“  
3 & 7  
Marbles (blocks)  
”

## Objectives

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