Sample Space Activity

<u>Dice</u>

<u>**1** Die</u>: List all the possible results of tossing 1 Die.

How many possible results are there when rolling 1 Die?

List all the possible results that are divisible by 3.

Use the ratio below to find the probability of tossing a number divisible by 3.

 $\frac{favorable}{total} \left(\frac{results \, divisible \, by \, 3}{total \, number \, of \, possible \, results} \right) = _____$

<u>**2** Dice</u>: Complete each table.

Possible Combinations

for 2 Dice						
	1	2	3	4	5	6
1	(1,1)	(1,2)				
2	(2,1)					
3						
4						
5						
6						

for 2 Dice						
	1	2	3	4	5	6
1	2	3				
2	3					
3						
4						
5						
6						

How many results are there for "Possible Combinations for 2 Dice?"

How many results are there for "Possible Sums for 2 Dice?"

One possible COMBINATION for rolling a sum of 6 with 2 Dice is (1,5). List all other possible COMBINATIONS:

How many results have a SUM of 5?

The probability of rolling a SUM of 5 with 2 dice is:

GETTING TO KNOW WHAT IS IN A DECK OF CARDS

Jokers are NOT a part of a standard deck of cards. Below are the symbols used and are called "suits".



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itself and not how it is used in a game.

<u>Coins</u>

List all of the possible outcomes when flipping 1 coin:

List all of the possible outcomes when flipping 2 coins:

Half of the possible outcomes for flipping 3 coins are listed in the table below. Copy them into your spiral and fill in the missing outcomes.

Outcomes for			
Flipping 3 Coins			
ннн			
HHT			
HTH			
ТНН			

Copy and complete the table below using the information from above. If needed, write out all the outcomes in the space below just like you did in the example above.

# of Coins	# of Possible Outcomes
1	2
2	
3	
4	
5	

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