

NAME: _____
DATE: _____ HOUR: _____

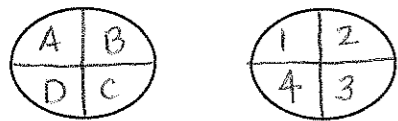
I'M NOT SO SURE ANYMORE
PRACTICE WITH SAMPLE SPACES WORKSHEET

1) Make a sample space for the following:

a) Matching a number 1-9:

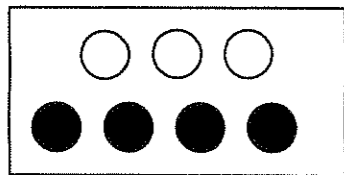
b) Picking two different letters in the word: LLAMA

c) Spinning both of these spinners:



d) Flipping four coins:

e) Matching a white ball with a black ball:



2) In the New Nighswander Lottery, you pick two different numbers 1-7.

a) Make a sample space for the possible outcomes for this lottery:

b) Pick two numbers for the lottery. Write them here: _____, _____. If you match two numbers, you get a pizza of your choice. If you match one number, you get Cream of Onion soup. If you match nothing, then "No Soup for you!!!" Find the theoretical probabilities of the following using the numbers you picked and the sample space:

Of getting a pizza: _____

Of getting Cream of Onion Soup: _____

Of not winning anything: _____

c) If you played the New Nighswander Lottery 1000 times, how many times would you win the following?

Pizza: _____ Cream of Onion Soup: _____

3) Find the probability of the following:

a) Drawing a king or a queen from a deck of 52 playing cards:

b) Flipping two tails from two coins:

c) Spinning a B and a 4 from #1c on the other side:

4) a) Make a sample space for rolling two six-sided dice:

b) When Katelyn rolled the dice 100 times, she got doubles 13 times.

Using the sample space and the above info, fill in the following chart:

	Getting Doubles	Not getting Doubles
Experimental Probability		
Theoretical Probability		

5) Make a sample space below for rolling a six-sided die and flipping a coin simultaneously.

a. What is the probability of getting a 5 and tails?

b. Odd number and heads?

c. 1,2, or 5 and tails?

d. Even number and either tails or heads?

e. Any number and tails?

f. Any number and either heads or tails