

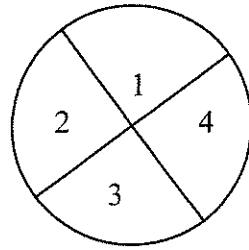
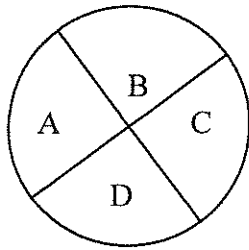
# I'm not So Sure Anymore

## Activity #1 - Sample Space Worksheet

Name: \_\_\_\_\_

Date: \_\_\_\_\_ Hr: \_\_\_\_\_

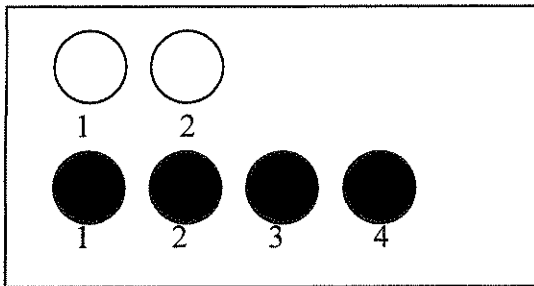
1. Make a sample space for the following:
  - a) Picking a number out of a hat (numbers 1-8)
  - b) Picking two different letters in the word HAPPY
  - c) Spinning both of these spinners



- d) Flipping three coins

1, 1

- e) Matching a white ball with a black ball



2. In the Pinckney lottery, you pick two different numbers 1-5.
  - a) Make a sample space for the possible outcomes of this lottery.

b) If you match two numbers, you get Macaroni and a Cheeseburger. If you match one number, you get Cream of Tuna soup. If you match nothing, then “No Soup for you!!!”. Pick two different numbers, then find the theoretical probabilities of the following.

- i) Of getting Macaroni and a Cheeseburger
- ii) Of getting Cream of Tuna Soup
- iii) Of not winning anything

c) If you played the Pinckney Lottery 1000 times, how many times would you win the following.

i) Macaroni and a Cheeseburger

ii) Cream of Tuna Soup

3. Find the probability of the following:

a) Drawing an ace from a deck of 52 cards

b) Flipping two heads from two coins

c) Spinning an A and a 3 from #1c above

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