I'm Not so Sure Anymore
Activity 1 Notes Day 2

Name: _____
Date: _____ Hr: _____

Open your books to p.184 and Read under Activity 1.

Exploration:

a) Select two numbers from 1-6 for a NEW Apple Lottery Ticket. Record your picks: _____, _____.

b) Using your calculator to simulate the Apple Lottery, randomly generate the numbers. Use your answers to fill in the chart for 100 simulations.

Remember:

0 Matches = Red Apple 1 Match = Green Apple 2 Matches = Yellow Apple

Trial #	*Color of Apple Won*
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	

Trial #	*Color of Apple Won*
21	
22	
23	
24	
25	
26	
27	
28	
29	
30	
31	
32	
33	
34	
35	
36	
37	
38	
39	
40	

Trial #	*Color of Apple Won*
41	
42	
43	
44	
45	
46	
47	
48	
49	
50	
51	
52	
53	
54	
55	
56	
57	
58	
59	
60	

Trial #	*Color of Apple Won*
61	
62	
63	
64	
65	
66	
67	
68	
69	
70	
71	
72	
73	
74	
75	
76	
77	
78	
79	
80	

Trial #	*Color of Apple Won*	*Trial #*	*Color of Apple Won*
81		91	
82		92	
83		93	
84		94	
85		95	
86		96	
87		97	
88		98	
89		99	
90		100	

c) Use the results of your 100 trials to determine the experimental probability of each of the following events: (Write your answers as percentages rounded to the Tenth decimal place)

1) Winning a RED apple _____

2) Winning a YELLOW apple _____

3) Winning a GREEN apple _____

d) Turn your books to p.186 and Define the following:

Sample Space:

Event:

Theoretical Probability:

e) List the sample space for the Apple Lottery:

f) Use the information to determine the theoretical probability of each of the following events: (Write your answers as percentages rounded to the TENTH decimal place)

1) Winning a RED apple _____

2) Winning a YELLOW apple _____

3) Winning a GREEN apple _____

4) Winning an APPLE _____