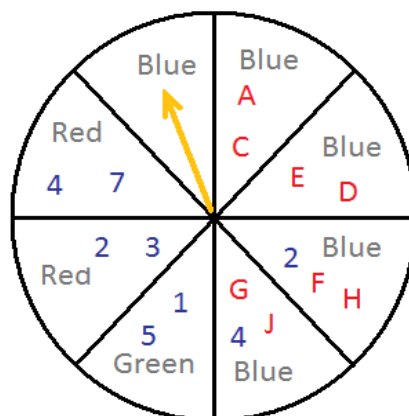


Name: _____

Probability

Exercise 1: Let us consider the following experiment with the spinner represented in the figure. Every time we spin the arrow the outcome will be that the arrow will land on one of the eight sectors, which are identified by colors, letters or numbers. Using the figure to find the probability that the arrow land on:

1. a blue sector?
2. a green sector?
3. a blank sector?
4. a sector with letters on it?
5. a sector with numbers on it?
6. a sector that contains **both** numbers **AND** letters?
7. a sector that is either blue **OR** green?



Exercise 2: Suppose you have a cousin that wants to come visit you one day in August. The only problem is that your cousin is very indecisive and cannot make up his mind as to which day he will come. Suppose the following is a calendar for the month of August.

He has decided to put the numbers 1 through 31 in a hat and draw out the date that he will come visit you. Find the probability that:

1. he will choose a Thursday
2. he will choose a Tuesday
3. he will choose a Tuesday or a Thursday
4. he will choose a date during the week of August 21-27
5. he will not choose a Wednesday
6. the day in August that he chooses will be an odd numbered day
7. he will choose an odd numbered Thursday
8. he will choose either a Thursday or an odd numbered day

Sun	Mon	Tue	Wed	Thu	Fri	Sat
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			