Name:			Dc	ıte:	
	The Conditional Probability from Tables				
The frequencies of the	e marbles in a	bag are show	n in the tab	le.	
1. Find P(sn	nall)	-		GREEN	BLUE
2. Find P(green large)		LARGE 2 4 SMALL 8 12			
A town planning committee is considering a new system for public transit. Residents of the town were randomly selected to answer two questions: "Do you work less than 5 miles from home?" and "Would you use the new system to get to work, if it were available?" The results are shown in the table below.					
			ork less than es from home	•	
	Use new system?		S NO 4 32 4 20		
they wou4. If resider	uld use the nev	v system? o use the new	system, wh		ne probability that
The table shows the results of a poll of randomly selected high school students who were asked if they prefer to hear all school announcements in the morning or afternoon.					
	U	nderclassmen	Upperclass	smen	
	Morning	8	14		
	Afternoon	18	10		
5. Find P(Mo	orning Underclo	assmen)			
6. Find P(Aft	ternoon Upperc	classmen)			

The table shows the results of a customer satisfaction survey for a cellular service provider, by location of the customer. In the survey, customers were asked whether they would recommend a plan with the provider to a friend.

		Arlington	Towson	Parkville
7. Find P(Yes)	Yes	40	35	41
——— 8. Find P (Yes Arlington)	No	18	10	6
9. Are the 2 probabilities the same?	!			

Roberto is the owner of a car dealership. He is assessing the success rates of his top three sales people in order to offer one of them a promotion. Over two months, for each attempted sale, he records whether the sales person made a successful sale or not. The results are shown in the cart below.

 10. Find P(Successful Becky)
11. Find P(Unsuccessful Darrell)

_		Successful	Unsuccessful
	Becky	6	6
	Raul	4	5
	Darrell	6	9

Mrs. Koehler surveyed 430 men and 200 women about their vehicles. Of those surveyed, 160 men and 85 women said they own a blue vehicle.

12	. If a randomly chosen
	person is a man, what is
	the probability of that
	person having a blue car?

	Blue	Not Blue
Men		
Women		

1.4	P(Women	l Niot Rlug
14.		

_____ 13.P(Blue)'

_____ 15.P(Men ∩Not Blue)