GSE Geomet Name	•	Unit 8 – Probak	•	ate		Classwork
	Day 4	– Conditional	Probabi	lity		
The frequen reduced fra	cies of the marbles in ctions.	a bag are show	n in the to	ıble. Wr	ite answer	s as
1.	Find P(small)	Γ	LARGE	GREEN 2	BLUE 4	•
2.	Find P(green large)	İ	SMALL	8	12]
the town we	ning committee is co	to answer two	questions:	"Do you	work less	than 5
the town we miles from h		to answer two ou use the new	questions: system to	"Do you get to we answers Work le	work less ork, if it we	than 5 re
the town we miles from h available?" fractions.	ere randomly selected nome?" and "Would ye	Use new system?	yestions: system to low. Write YES NO	"Do you get to we answers Work le miles fro YES 24 44	work less ork, if it we s as reduce ess than 5 em home? NO 32 20	than 5 ere ed

Write answers as reduced fractions.

	Underclassmen	Upperclassmen
Morning	8	14
Afternoon	18	10

5.	Find P(Morning Underclassmen)	
----	---------------------------------	--

______ 6. Find P(Afternoon | Upperclassmen)

The table shows the results of a customer satisfaction survey for a cellular se	ervice
provider, by location of the customer. In the survey, customers were asked	l whether
they would recommend a plan with the provider to a friend. Write answers	as reduced
fractions.	

		Arlington	Towson	Parkville
7. Find P(Yes)	Yes	40	35	41
/. Tille I (103)	No	18	10	6
——— 8. Find P (Yes Arlington)				

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. Write answers as reduced fractions.

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

______9. Are the 2 probabilities the same?

	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. Write answers as reduced fractions.

 12.If a randomly chosen
person is a man, what is
the probability of that
person having a blue car?
 13.P(Blue)'

	Blue	Not Blue
Men		
Women		

14 P	(Women	Not Blue	١
	(, , O O		,

15.P(Men	\cap	Not	Blue)