hazel	male		hazel	fe	emale			
green	male	is	green		emale	wn ey	ed female?	
brown	male	-	brown		emale			
blue	male	ш.	blue		emale			
hazel	male	111	hazel		emale			
green	male	-	green	10	emale			
green	marc	ш.						
				1/2		-11		
To answ	ver today's question	wo will r	andomly col	loct 16 et	udonte to c	omo un fr	ont Uso	1
	udents' information to					one up in	ont. Ose	
2.	In any given class, to eyes. Create a table eye colors. MAIC FUN Using the 19 studer P(Male) = 10/2	that sl h h h h h h h h h h h h h	hows all pos 3 3 en, find each	3 4 h of the for P(Blue)	l D	obabilities Home Control Home Home	ender and Male Female 1.3 0.4	Br Bl G
MUYVALLY GXCLUSATES	Find each of the foll sense. P(Male or Female): 20/20 =	10-		and expla	ain why you Par or Brown E	ır answer	makes	
4.	• • •	2 13) =	robabilities :	1 + PC1		ANB)	makes	
5.	P(Male or Blue Eye 20 + 20 - Find each of the foll sense.	$\frac{3}{20} =$ $\frac{3}{20} = \frac{3}{20}$ owing $\frac{3}{2} = \frac{3}{20}$	_	<u>10</u> 20	+ <u>8</u> - 20	生=.	14 = 0.7 makes	
F		= 6= 70 Plem	0.7 14 20 1ent R	P(Not M P(M Je	Male) = (C) =	- <u>10</u> 20	ID=0,5 70 TheState	sMedic

Territorie

female

female

female

female

Date:

green

brown

blue

hazel

nazei

green

brown

blue

maie

male

male

male

Name:	Hour: Date:
Lesson 5.2: Day 2: F	Probability and the General Addition Rule
Big Ideas: Two Way Tables	ADD. Pute
and Venreliggram	7 CANAL P(AORB)=P(A)+P(B)= P(AOB)
1 2 2034	Connector that P(AORB)=P(A)+P(B)- Connector together P(AORB)=P(A)+P(B) P(AORB)=P(A)+P(B)
random sample of 500 U.S. identified as a high school g	eck Your Understanding: PCA and B) Severe educational achievement and home ownership? A adults was selected. Each member of the sample was raduate (or not) and as a homeowner (or not). The two-way pose we choose a member of the sample at random. Define
G: person is a high so	chool graduate
H: person is a homeo	owner.
	High school graduate Not a high school graduate
Homeowner Not a homeowner	221 119 340 89 71 160 310 190 500
1. Explain in plain language The prob. + hat a pe	what P(G°) means and find the probability. PSON dua not graduate high Schwl. = 0.38
	1 (0°) - 1 19/500
counted twice.	$P(G) + P(H)$. Then find $P(G \text{ or } H)$. The graduated and our ahome who $P(G \text{ or } H) = 310 + 340 - 221 = \frac{429}{500} = 0.850$ the right to display the sample space of this chance
counted twice.	P(GOPH) = 310+340-221= 329=0.85

4. Write the event "is not a high school graduate but is a homeowner" in symbolic form and find the probability. $P(H \cap G^c) = \frac{119}{500} = \text{TheStatsMedic}$