C	at	ea	ori	ical	D	ata

Name:				

Hour: _____

Part I

What's your favorite color?

When asked this question, the most popular color named was blue.

	Symbols		2-way	[,] Table	
Key:					
Male = M Blue = B	Female = F Not Blue = N		Blue	Not Blue	Total
			2.0.0		
Sample size = 200)				
P(B) = 84/200		Male			
P(M) = 64/200		Female			
P(F B) = 48/84					
P(B F) =		Total			
P(M∩B) =					
P(M∪B) =					
	Venn Diagram		Tree D	iagram	
	fale Blue	\		<	/ /

Part II

Are you a lefty or a righty?

Symbols	2-way Table				
Key:					
Male = M Female = F		1 - 64	Dielete.	Takal	l
Lefty = L Righty = R		Lefty	Righty	Total	
Sample size =					
•	Male				
7(1)					
P(L) =					
	Female				
P(M) =					
	Total				
0(5)					
P(F) =					
P(L F) =					
D(1184)					
P(L M) =					
In this sample are there equal proportions of males and females who are left handed? Explain.					
Venn Diagram		Tree	Diagram		
F 47 R 43 7	<		<	/	

Part III

Do you eat breakfast or not?

Symbols	2-way Table				
Key:					
Male = M Female = F Eats Breakfast = E Doesn't Eat Breakfast = D		Eats	Doesn't	Total	
Lats breaklast - L Doesii t Lat breaklast - D		Lats	Doesii t	Total	
Sample size =					
	Male				
P(E) =					
F(E) -	Female				
	Temale				
P(E M) =				600	
	Total				
P(E∩M)					
P(E F) =					
P(E∩F) =					
Venn Diagram		Tree C	Diagram		
Verm Blag am		1100 5	714614111		
			- olo - =		
			58010 =		
M E			F		
	620	。	- 420		
	67		D***=	=	
		VI	,		
	< ,	_	40 ₀ / ₀ =	:	
	3	8%	/		
	F	~	E		
			60% =	:	