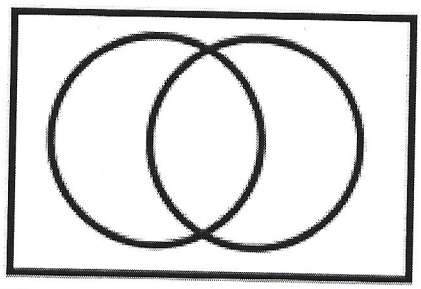
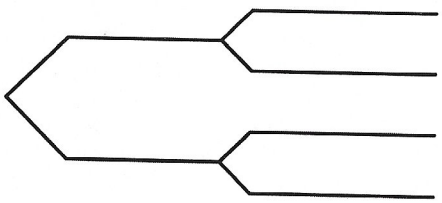
9. Are you Blue?

Notation	2-way Table
Key: Male = M Female = F Blue = B Not Blue = N Sample size = 200 P(B) = 84/200 P(M) = 64/200 P(F|B) = 48/84 P(B|F) = P(M∩B) = P(M∪B) =	

	Blue	Not Blue	Total
Male			
Female			
Total			

Venn Diagram	Tree Diagram
	

Write three observations you can make about this data.

10. Right and left handedness of a group.

Notation

Key:
Male = M Female = F
Lefty = L Righty = R

Sample size = 100 people

P(L) = P(M) =

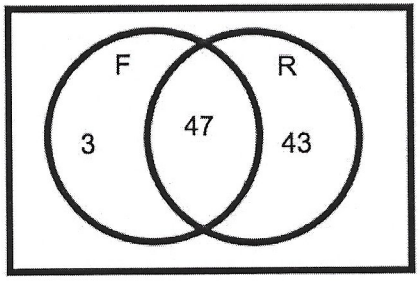
P(F) = P(L|F) =

P(L|M) = $P(L \cup F) =$

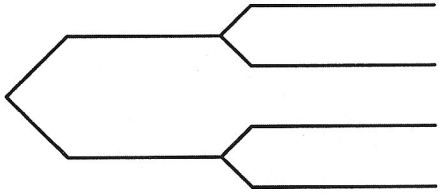
2-way Table

	Lefty	Righty	Total
Male			
Female			
Total			

Venn Diagram



Tree Diagram

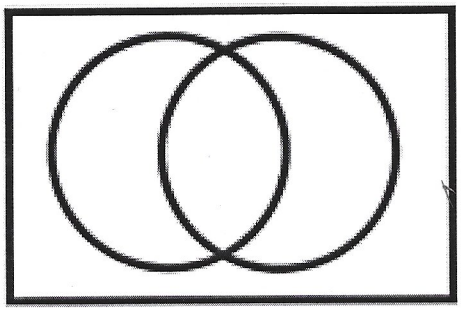
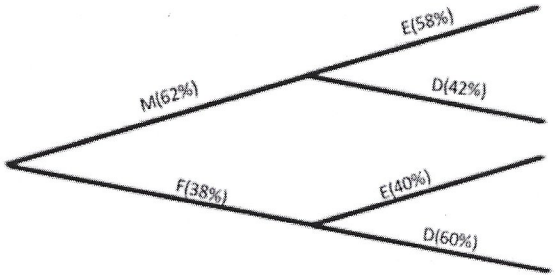


Write three conditional statements regarding this data.

11. The most important meal of the day.

Notation	2-way Table
Key: Male = M Female = F Eats Breakfast = E Doesn't Eat Breakfast = D Sample size = P(E) = P(E|M) = P(E∩M)= P(E|F) = P(E∩F) = $P(M \cup D) =$	

	Eats	Doesn't	Total
Male			
Female			
Total			685

Venn Diagram	Tree Diagram
	

Does this data surprise you? Why or why not.