

## Solving a Logic Puzzle – prepared by Diane

1. Study the wording on the grid. You will notice that the wording on the top right hand of the grid is the same as the writing on the bottom grid.
2. When you read a clue, there will be information given from the section of wording on the left side section of the grid, and some information to be taken from the top section of the grid. The information can be positive or negative. If it is positive you put a ✓. If it is negative, put a X.
3. The square where you put the ✓ or X is where the left side section clue and top section clue intersect (meet). Or to make it easier to understand, it is the square where the row and column meet each other, from the information given.
4. There are 16 squares in each main box outlined by a thicker line. When you put a ✓ in the square, the other 3 squares in that column or row have to have X put in them.
5. In each main box of 16 squares there can only be 4 ticked boxes. Only one in each row and column.
6. Remember you always have to use part of the clue from the side section and the other part of the clue from the top section, or vice versa.
7. Whenever you read the ticks and crosses across the row, they have to read the same down the column. When you look at the main 16 square boxes top right and bottom left, they do not look the same, but they have to read the same by putting in more ticks and crosses to match. You make have to go through the clues a few times to solve the puzzle.

### Example

Reading across the top row.                      Bill is married to Sarah and they have 1 child.

Reading down the left column.                Barbara is married to Fred and they have 2 children.

### The Family

	Barbara	Lilian	Sarah	Marion	1	2	3	4
Bill	X	X	✓	X	✓	X	X	X
Fred	✓	X	X	X	X	✓	X	X
Leon	X	X	X	✓	X	X	X	✓
Sam	X	✓	X	X	X	X	✓	X
1	X	X	✓	X				
2	✓	X	X	X				
3	X	✓	X	X				
4	X	X	X	✓				

Which man was married to which wife and how many children did they have?

1. Each husband and wife did not have the same initial as each other.
2. Lilian had 3 children which was one more than Fred and his wife.
3. Marion had 3 more children than Bill.

Husband	Wife	Children
Bill	Sarah	1
Fred	Barbara	2
Leon	Marion	4
Sam	Lilian	3

**Logic puzzles are not easy to understand. The more you try the easier they become.  
If you manage to do them, well done!!                      Diane**