I once heard an interesting puzzle when I was in high school back in Hong Kong. It goes like this:

A family is trying to cross a river. The family consists of a father, mother, son, daughter, servant, and dog. There is a boat on their side of the river, but the boat can only carry two people at one time (the dog takes one capacity). Moreover, only the adults can row the boat; that is, only the father, the mother, and the servant can row. There are additional rules:

- Only the servant can tame the dog, and if the servant and the dog are not together, the dog may injure the children (the dog does not bite adults).
- The mother and her son are in an argument. If the father is not there to protect the son, the mother may hit the son.
- The father and his daughter are in an argument as well. If the mother is not there to protect the daughter, the father may hit the daughter.

Finally, there are a couple points to clarify. First, after one or two members of the family row to the other side of the river, someone from the other side needs to row the boat back so that the rest of the family can use the boat. Second, members who are "incompatible" cannot be left alone together at any point, i.e. the father and the daughter cannot be on the boat together. Now comes the question: is it possible for the whole family to cross the river safely? (No cheating! Try to solve it first before you scroll down to find the answer...)
Here's the answer:

1. The father and the son cross first, and the father rows the boat back.
2. The father and the mother cross, then the mother rows back.
3. The servant and the dog cross, then the father rows back.
4. The father and the mother cross, then the mother rows back.
5. Finally, the mother and the daughter row across the river.