1. In the city of OZ, anyone 40 years or older always tells the truth and anyone under 40 never tells the truth. A census taker knocks on the married couple’s door. The husband opens the door. ‘I am the census taker,’ says the visitor, ‘and I need information about you and your wife. Which, if either of you, are under the age of 40?’ ‘We are both under 40!’ said the husband angrily as he slammed the door. How did the census taker sort out the facts.

2. Lucy, Minnie, Nancy, and Opey ran a race. Each was asked how the race turned out. Their replies:
   Lucy: Nancy won. Minnie was second.
   Minnie: Nancy was second. Opey was third.
   Nancy: Opey was last. Lucy was second.
   If each girl made exactly one true statement, who won the race?

3. The three statements below are all true.
   1. Either A is not guilty or B is guilty.
   2. Either B is not guilty or C is not guilty.
   3. If A is guilty, then B and C are both guilty.
   Where does the guilt lie?

4. A says “B is a liar or C is a liar”;  
   B says “A is a liar”;  
   C says “A is a liar and B is a liar”. Who is telling the truth?

5. What logical conclusion can be drawn from:  
   A says both B and C tell the truth;  
   B says A tells the truth;  
   C says A and B are both liars?

6. Three men named Arnold, Brown, and Clark hold the positions of shipper, driver, and manager in a certain company.  
   If Clark is the shipper, Brown is the driver.  
   If Clark is the driver, Brown is the manager.  
   If Brown is not the shipper, Arnold is the driver.  
   If Arnold is the manager, Clark is the driver.  
   Who held each of the positions?
7. The King is about to die. To determine who will succeed him as king, He sends messengers throughout the land seeking the three smartest people. Finally they are found. He gives them a task to see which one is the wisest. He tells them, "I will seat you in a triangle so that each of you faces the other two. After you are blindfolded I will paint a dot on each of your foreheads. Each dot will be red or green so that there can be any combination of red and green dots, for example, 1 red and 2 greens, or all red, etc. When I remove the blindfolds each of you must raise your hand if you see any green dots, i.e. 1 or 2 dots. As soon as you have figured out what color your own dot is, lower your hand and tell me.” So he seats them, blindfolds them, and then paints a green dot on all three foreheads. When the blindfolds are removed, all three hands go up. After a long pause, one hand comes down and the man says, "Your highness, I have a green dot.” How did he know?