

## Session 2. Home Assignment.

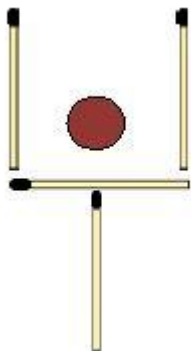
1. Mommy tells little Max, "All fishes love to swim." Max replies, "I love to swim, therefore I am a fish." What is wrong with Max's reasoning?
2. Bim is always telling the truth, and Bom is always lying. What question should you ask to both of them if you want to get the same answer from both?
3. The weight of a gold bar is two-thirds of its weight and another 5 pounds. What is the weight of the gold bar?



4. A koala starts climbing up the eucalyptus tree that is 10 meters high. He starts at the bottom, climbing 5 meters up every day and 4 meters down every night. How soon will the koala reach the top of the tree?



5. Move two matches to get the cherry out of the glass. Don't rely on the force of gravity. Cherry would not fall down if not supported by the bottom matchstick.



6. While visiting the Knights and Liars Island, you pass a beautiful garden where three islanders, Sam, Bob and Tom are watching the sunset. You

ask the islander Sam, "Are you a knight or a liar?" Sam is shy and he speaks too quietly. He replies something, but you cannot hear his answer. So you ask the second islander Bob, "What did Sam say?" Bob answers, "He said that he is a liar." "Don't trust Bob! Bob is a liar!" screams the islander Tom. Could you tell us who the islanders Bob and Tom actually are?