

1. Leo, Dolly, and Tommy are related to each other.

i. Among the three are Leo's legal spouse, Dolly's sibling, and Tommy's sister-in-law. ii. Leo's legal spouse and Dolly's sibling are of the same sex. Who is the married man?

Dolly

2. At a farewell party, people were asked to guess how many marbles there were in a box. No one guessed correctly, but the nearest guesses were 171, 177, 186 and 190. The correct number of marbles was one unit away from one of the closest guesses, three units away from another, ten units away from the third and sixteen units away from the remaining closest guess. How many marbles were there in the box?

174

3. Granny Adams left half her money to her granddaughter and half that amount to grandson. She left a sixth to her brother, and the remainder, Rs.1,000, to the dogs me. How much did she leave altogether?

12000

4. Two partners named Bill and Gates have decided to take a Mr.Mark into partnership. Bill has one and half times as much capital invested in the business as Gates, and Mark has to pay down \$2,500.00, which sum shall be divided between Bill and Gates, so that the three partners shall have an equal interest in the business. What shall be the sum Bill receives from this partnership?

833.33

5. There are three ants sitting in the three corners of a triangle. All ants randomly pick a direction and start moving along the edges of the triangle. What is the probability that any two ants collide?

1/4

6. 1009