

PUZZALYTICS

Several ladybugs are walking around on a leaf and admiring each other's spots. One of the ladybugs sees twice as many spots as ladybugs around him. Another sees three times as many spots as ladybugs around him. They cannot see their own spots, but they can see all the others'. Every ladybug has at least one spot; all combined they have 10 spots.

How many ladybugs are walking on the leaf?



Jeffrey is going to make a cocktail by the name of White Russian. According to his recipe, this mix drink requires 50 ml of wodka, 70 ml of Kahlua and 110 ml of milk. For the Kahlua and the milk he has two measuring cups that can hold exactly 70 ml and 110 ml respectively. However, he does not have a 50 ml measuring cup; only his full 1000 ml bottle of wodka.

How can he, by pouring wodka between the two measuring cups (neither of which has any precise measurements apart from their total sizes), measure exactly 50 ml of wodka?

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You bought a ticket to go see a movie. All 100 tickets that were available for this movie have been sold. The first person entering the theater lost his ticket, so he sits down in a randomly chosen seat. After that the other moviegoers enter one by one, all in possession of their own tickets. If their assigned seat is still available they will of course sit down in that seat. If on the other hand their seat is already taken, they randomly choose another one to sit down in. You enter the theater as the last of the 100 moviegoers.

What are the odds that your own chair is still available?

