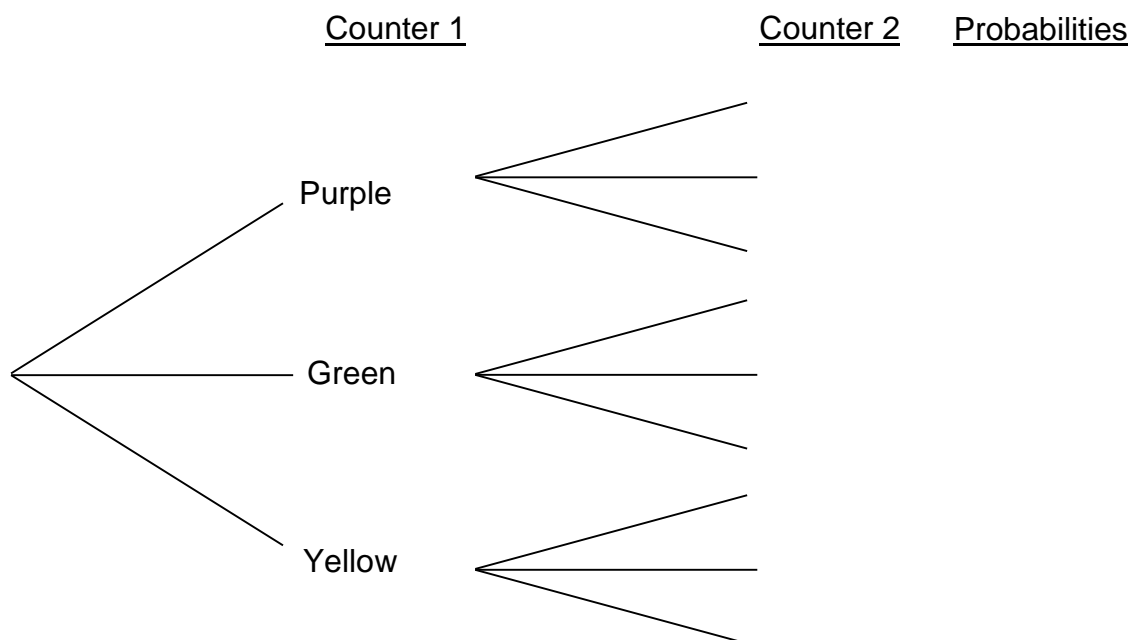
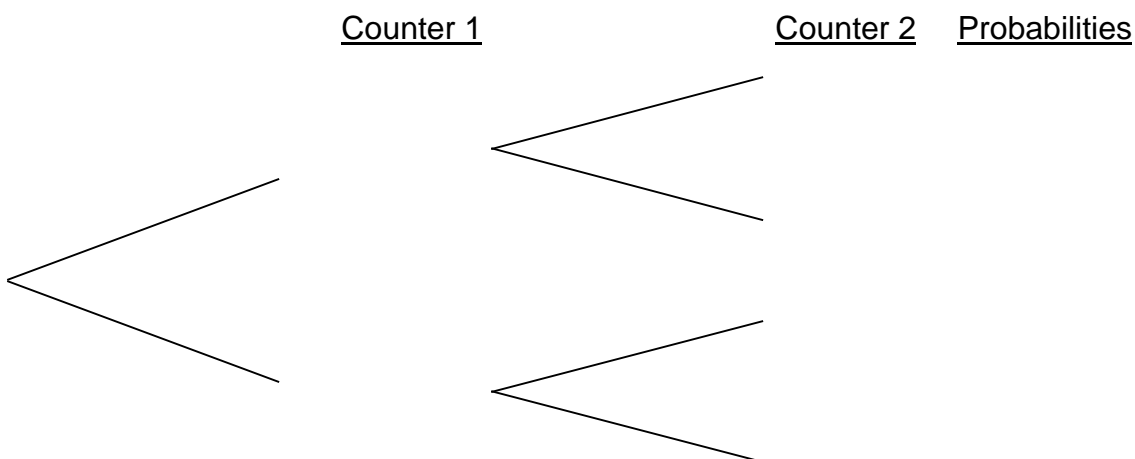


Tree Diagrams- Extension task

1. A bag contains 3 purple counters, 2 green ones and 5 yellow ones.
A counter is taken from the bag at random and then replaced.
A second counter is then drawn from the bag.
Complete the tree diagram:



2. A bag contains 7 red counters and 4 blue counters
A disc is taken at random from the bag and not put back in
A second disc is then removed from the bag.
Complete the tree diagram below:



Find the probability that:

- Both discs are red
- Both discs are blue
- Both discs are different