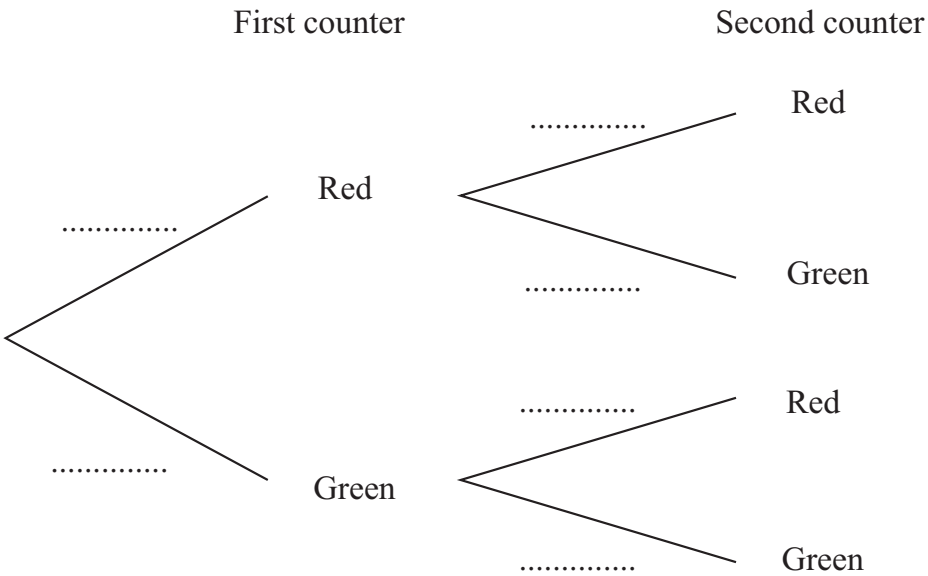
19 A box contains 10 counters.
The counters are either red or green.
The ratio red counters : green counters = 1 : 4.

Shareen picks a counter at random, notes its colour and puts it back in the box.
She then picks a second counter at random.



(a) Complete the tree diagram.

[3]

(b) Find the probability that both counters are green.

..... [2]