

18 In bag **A**,

number of white counters : number of red counters = 7 : 3

In bag **B**, there are 9 white counters and 2 red counters.

In bag **C**, there are 11 white counters and 4 red counters.

Faisal takes at random a counter from bag **A** and puts the counter in bag **B**.

He then takes at random a counter from bag **B** and puts the counter in bag **C**.

Find the probability that there is now an even number of white counters in bag **C**.