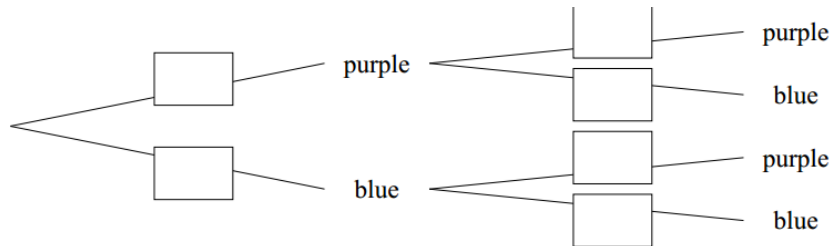


Probability Problems : Conditional

Q1. A bag contains 4 purple sweets and 6 blue sweets. A sweet is chosen at random and not replaced before choosing another one.

Complete this tree diagram and hence answer the following:



a) What is the probability of getting 2 blue sweets?

b) What is the probability of getting purple at least once?

Q2. A box contains 3 yellow balls and 2 white balls. A ball is chosen at random and not replaced before choosing another one.

Complete a tree diagram and hence answer the following:

a) What is the probability of getting two yellow balls?

Q3. A bag contains 13 counters with the letters of the word PERPENDICULAR written on them. A counter is chosen at random and not replaced before choosing another one.

a) What is the probability of getting two vowels?

Q4. A bag contains 14 counters with the letters of the word TRANSFORMATION written on them. A counter is chosen at random and not replaced before choosing another one.

a) What is the probability of getting exactly one vowel?