

30th December

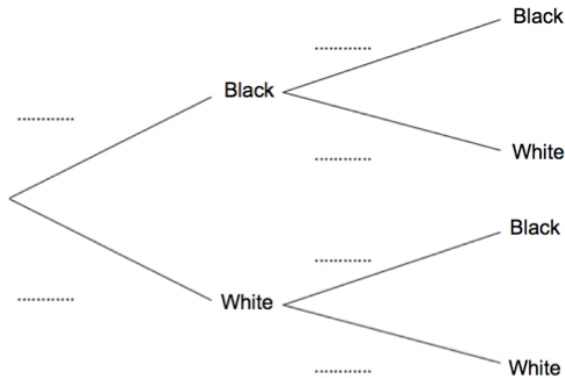


Corbettmaths

There are 10 socks in a bag.
6 black and 4 white.
A sock is taken at random, put back into the bag, then another is taken.

What is the probability of two black socks?

Complete the tree diagram



What is the probability of two socks of the same colour?

Factorise

$$x^2 + 2x - 15$$

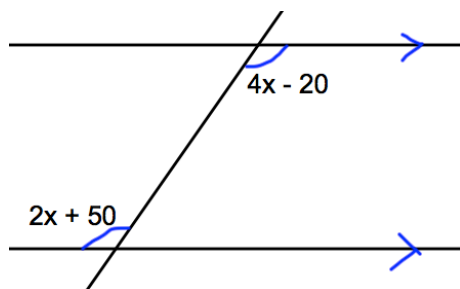
Factorise

$$x^2 - 8x - 9$$

Patrick invested money into a special savers bank account.
Each year money in the account earns 4% interest.

After one year, the total amount of money in the account was £291.20

How much did Patrick invest?



Calculate the size of the angle, $2x + 50$.