

Odd socks

Alice has 2 pink socks and 2 orange socks in the washing basket.

If she picks two socks out of the basket without looking will she get two the same colour?



1. What are the different socks that Alice could pull out first?
2. If she pulls out a pink sock first do we know whether she will pull out another pink sock next?
3. If she pulls out a orange sock first do we know whether she will pull out another orange sock next?
4. Will she always get a pair the same colour?
5. Will she always get a pair with different colour?