

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. Use pink and orange counters to represent the socks in the basket.
2. Pick two counters out at random. Are they the same colour?
3. Replace the counters, shuffle all the counters and pick another two at random.
4. Keep a record of the colours in each pair.
5. Does she always get a pair the same colour?
6. Does she always get a pair with different colours?