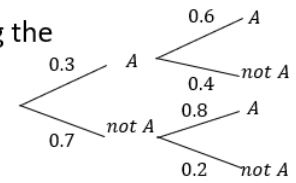


Tree Diagrams

At GCSE we saw that tree diagrams were an effective way of showing the outcome of two events which happen **in succession**.

(Personal opinion however is that their use is easily avoidable)



There are 3 yellow and 2 green counters in a bag. I take two counters at random. Determine the probability that:

- They are of the same colour.
- They are of different colours.

The probability I hit a target on each shot is 0.3. I keep firing until I hit the target. Determine the probability I hit the target on the 5th shot.