16 There are 12 beads in a bag.

7 of the beads are red.
3 of the beads are green.
2 of the beads are yellow.

Lucy takes at random a bead from the bag and keeps it.
Then Julian takes at random a bead from the bag.

(a) Work out the probability that they each take a yellow bead.

(2)

(b) Work out the probability that the beads they take are **not** the same colour.

(3)

(Total for Question 16 is 5 marks)

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