

- (28) Andy sometimes gets a lift to and from college.
When he does not ~~not~~ get a lift ~~he~~ walks.
The probability he gets a lift ^{to college} is 0.4
The probability he walks home is 0.7.

- (a) Complete a tree diagram. [2]
(b) What is the probability he doesn't get a lift
to or from college? [1]

- (29) A bag contains red and blue marbles.
Yasmine takes one marble at random.
The probability she takes a red one is $\frac{1}{5}$.
She returns the marble and she adds 5 more
red marbles.
Now the probability she picks a red one at
random is $\frac{1}{3}$.

How many of each colour were there at the start? [5]