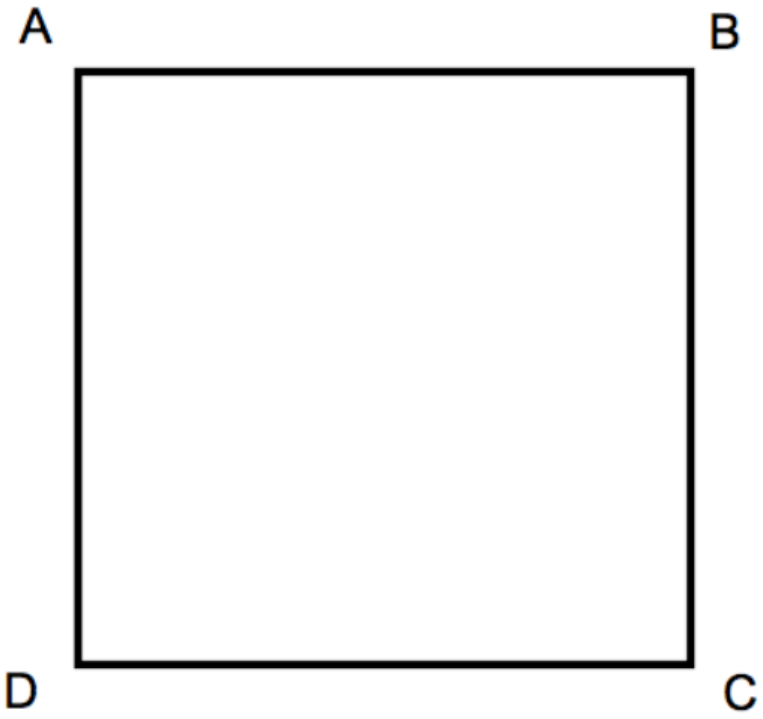
M7 =19 days to go!

A and B are two points.



Shade the region inside the rectangle, which is closer to AD that DC, and less that 4cm from D.

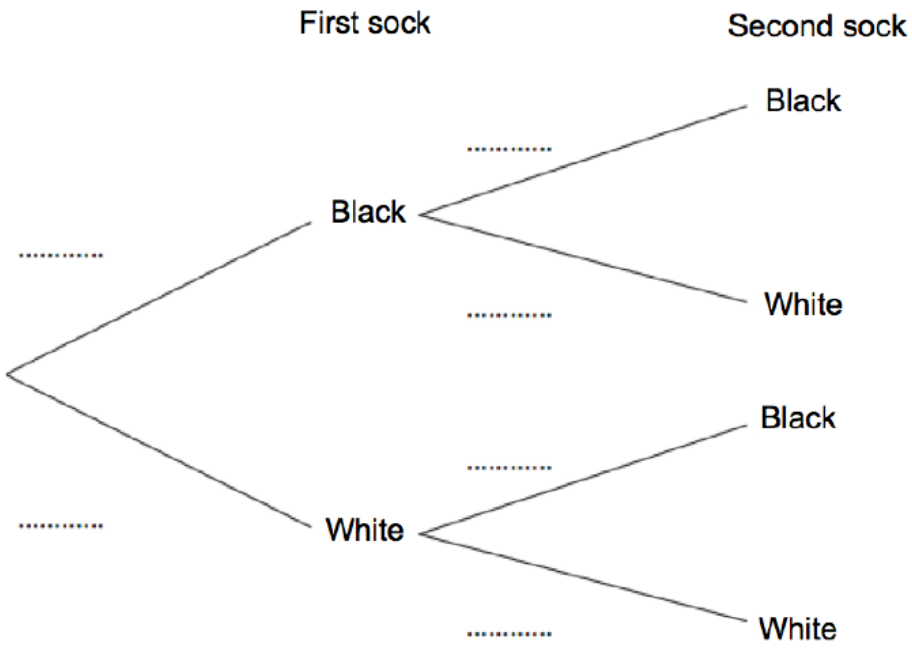
(3)

2. Natalie has 8 socks in a drawer.

5 of the socks are black.
3 of the socks are white.

Natalie takes out a sock at random, writes down its colour and puts it back into the drawer.
Then Natalie takes out a second sock, at random, and writes down its colour.

(a) Complete the probability tree diagram.



(2)

(b) Work out the probability that the two socks are the same colour.

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(2)