MARKS

7

(5, 2)

6. Three urns contain the numbers of balls of three different colours shown at the right below. An urn is selected equiprobably ('at random') and a ball is chosen equiprobably from it.

(a) Find the probability the ball is *white*.

(b) *If* the ball is white, find the probability urn *A* was the one selected.

Urn *A*:	4 red;	2 white;	2 black
Urn *B*:	2 red;	1 white;	3 black
Urn *C*:	1 red;	3 white;	3 black

(a)

(a) Probability

(b)

(b) Probability