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Higher Homework 38: Probability

1. The table below shows the probabilities of choosing a counter from a bag.

The value of black to yellow is in a ratio of 3:1

There are 24 yellow counters.

How many counters are there all together?

Red	Black	Green	Yellow
0.18		0.5	

(3 marks)

2. Lydia is applying for both Cambridge and Oxford Universities. The probability she will be accepted to Cambridge is 0.32 The probability she will be declined by Oxford is 0.85

(a) Draw a tree diagram to show this.

(2 marks)

(b) Work out the probability she will be accepted at only 1.

(2 marks

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(2 marks)
(2 marks)
(4 marks)
(1 morks)