

1. The table below shows the probabilities of choosing a counter from a bag.
The probability of choosing a green counter is three times the value of orange.
Complete the table.

	Blue	Green	Orange
	0.35		

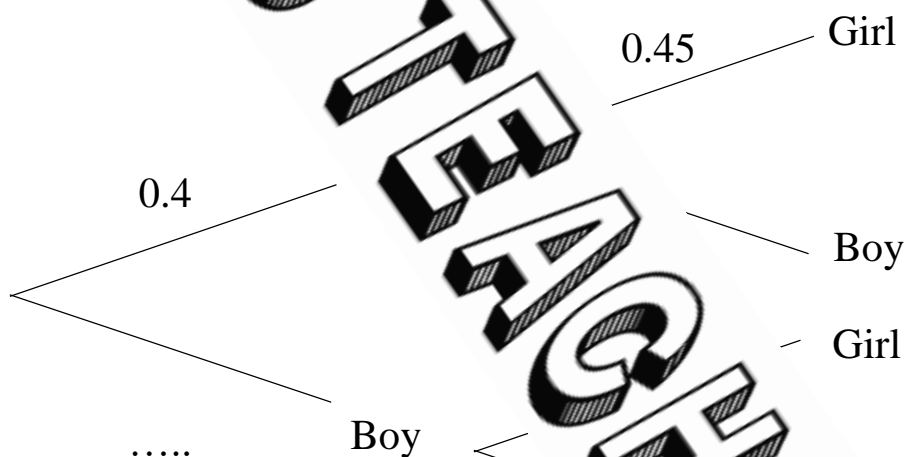
(2 marks)

2. Mrs Green chooses a student from two different classes.
The probability of choosing a girl from the first class is 0.4
The probability of choosing a girl from the second class is 0.45

(a) Complete the tree diagram.

1st class

2nd class



(2 marks)

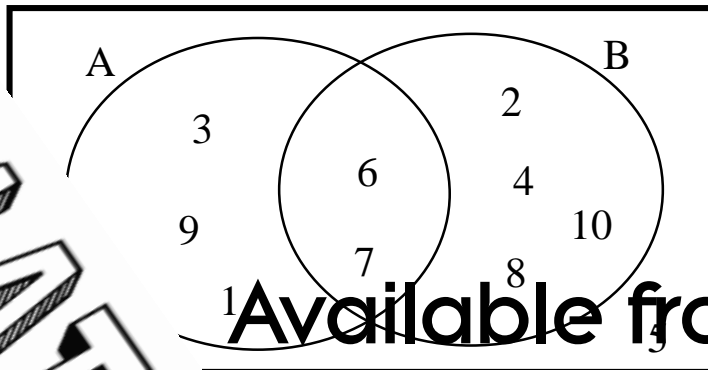
(b) Work out the probability that she selects 2 boys.

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(2 marks)

2. Marcus is going to roll 2 fair six sided dice.
He will multiply the two scores together.
Calculate the probability of scoring a total of 12.

.....
(3 marks)

3. Below is a Venn diagram showing some data.



Available from
my TES
account

Write down

selecting

(i) B

.....

(ii) $A \cap B$

.....

(iii) A'

.....

(3 marks)

2. There are 3 red counters and 4 blue counters in a bag.

a bag.

One counter is taken out, recorded and then put back in the bag.

put back in the bag.

(a) Draw a tree diagram to display

(b) Work out the probability that the colours are the same.

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(2 marks)

Score =