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

   The value of green is three times the value of orange.
   Complete the table.

Red	Blue	Green	Orange
0.25	0.35		

   (2 marks)

2. Mrs Gregory selects one student from two different classes.
   The probability of selecting a girl from the first class is 0.4
   The probability of selecting 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.

   …………………
   (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)
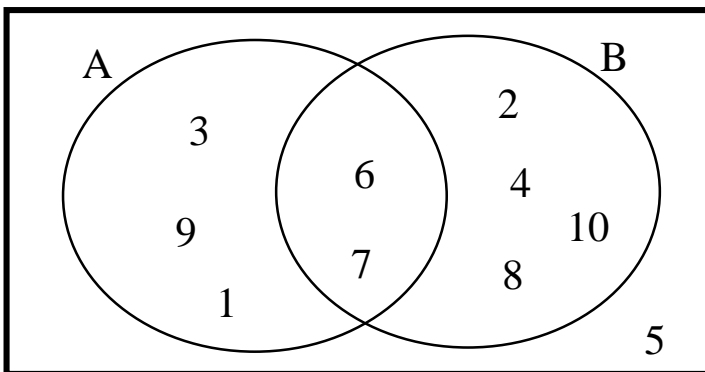
3. Below is Venn diagram showing some data.

Write down the probability of selecting:

(i) B …………………

(ii) $A \cap B$ ………………

(iii) A' …………………

(3 marks)

2. There are 3 red counters and 4 blue counters in a bag.
   One counter is taken out, recorded then placed back in the bag.
   A second counter is then taken.
   (a) Draw a tree diagram to display this information.

(2 marks)

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

…………………

(2 marks)

Score =