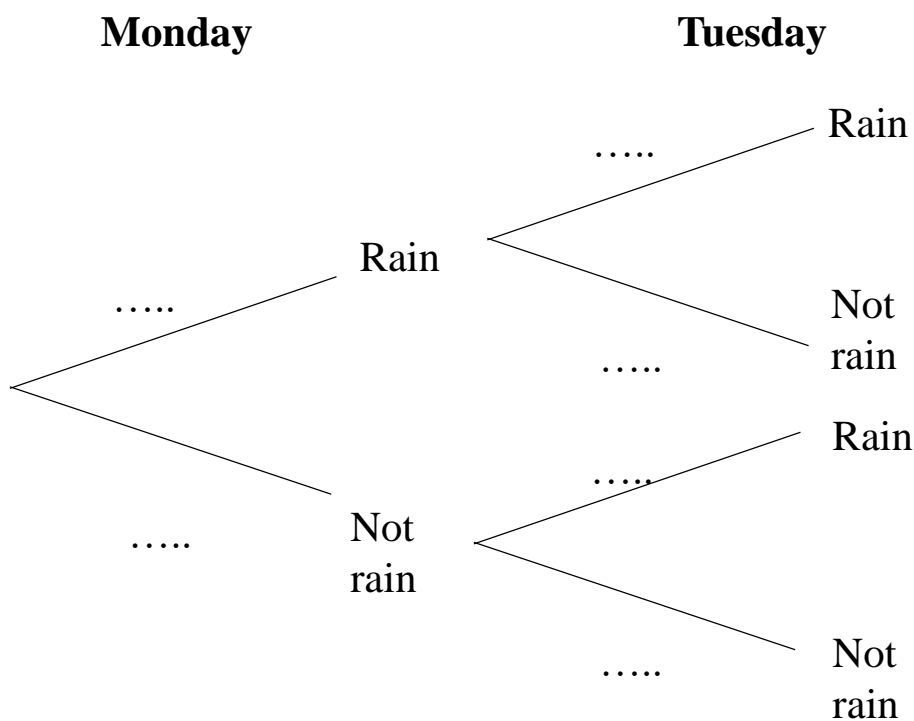1. The table below shows the probabilities of choosing a counter from a bag.

   The value of green is half the probability of blue.

   Complete the table.

Red	Blue	Green	Orange
0.31	0.24		

   (2 marks)

2. The probability that it **will** rain on Monday is 0.3

   The probability that it **will not** rain on Tuesday is 0.75

   (a) Complete the tree diagram.

   Monday   **Tuesday**

   .... Rain

                        Rain

                                           .... Not
                                                        rain

   ....   Not   .... Rain
                        rain

                                           .... Not
                                                        rain

   (2 marks)

   (b) Work out the probability that it rains on only 1 day.

   …………………
   (2 marks)

2. Laura is going to roll 2 fair six sided dice.

   She will sum the scores together.
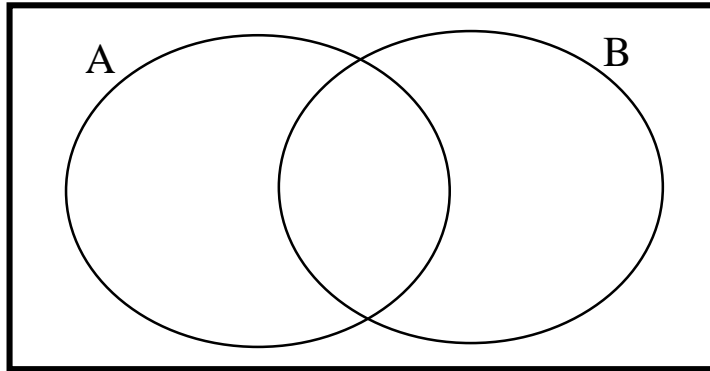
   Calculate the probability of scoring a total of 10.

   …………………
   (3 marks)

3. The Venn diagram contains positive integers less than 15.

$A = \{Even\ numbers\}$ $B = \{Multiples\ of\ 3\}$

A

B

Write down the probability of selecting:

(i) $A \cap B$ …………………

(ii) $A \cup B$ …………………

(4 marks)

2. There are 1 green counters and 5 red 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 different colours are selected..

…………………

(2 marks)

Score =