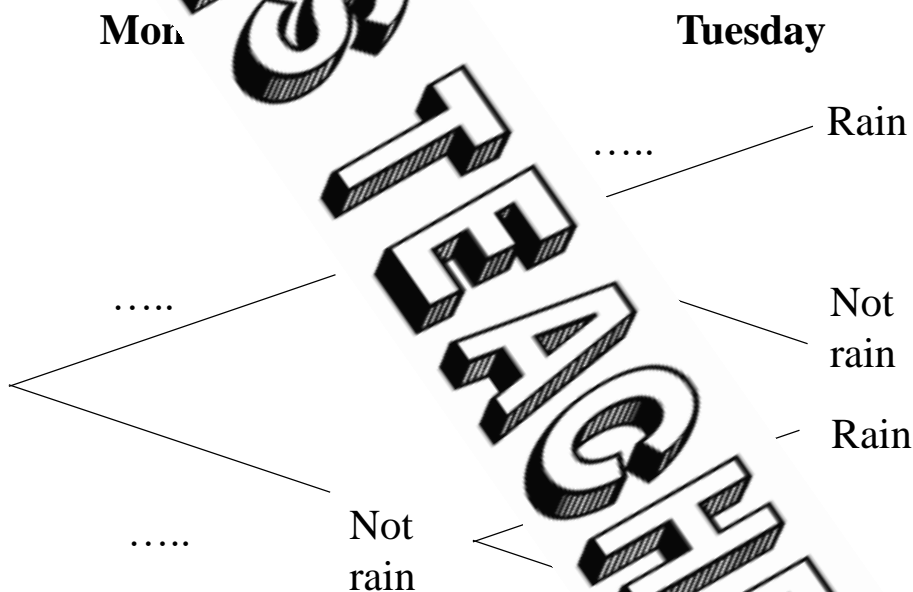


1. The table below shows the probabilities of choosing a counter from a bag.  
 The probability of choosing a green counter is half the probability of blue.  
 Complete the table.

	Blue	Green	Orange
Probability	0.24		

(2 marks)

2. The probability of rain on Monday is 0.6.  
 The probability of not rain on Tuesday is 0.75.  
 (a) Complete the tree diagram.



(2 marks)

(b) Work out the probability that it rains on only one of the days.

.....  
 (3 marks)

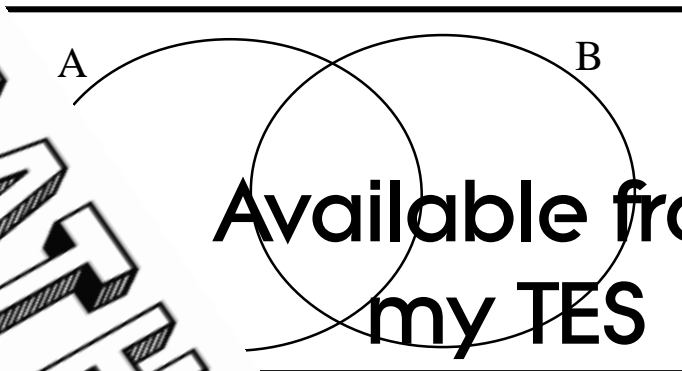
2. Laura is going to roll 2 fair six sided dice.  
 She will sum the scores together.  
 Calculate the probability of scoring a total of 10.

.....  
 (3 marks)

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

$A = \{\text{Prime numbers}\}$

$B = \{\text{Multiples of 3}\}$



Write down the numbers in each of the following regions

(i)  $A \cap B$

.....

(ii)  $A \cup B$

.....

(4 marks)

2. There are 1 green counters and 2 red counters in a bag. One counter is taken out, recorded and then put back in the bag. A second counter is then taken.

(a) Draw a tree diagram to display the possible outcomes.

(b) Work out the probability that different colours are selected.

.....

(2 marks)

Score =