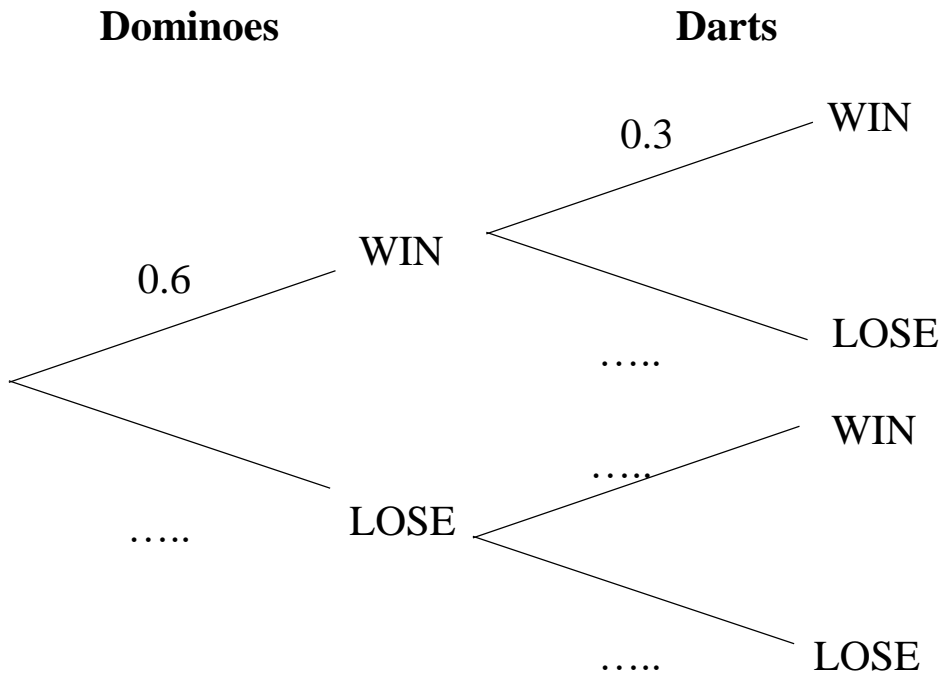


1. The table below shows the probabilities of choosing a counter from a bag.  
The value of green is twice the value of orange.  
Complete the table.

Red	Blue	Green	Orange
0.1	0.3		

(2 marks)

2. Sam goes to a club.  
He plays one game of dominos, and one game of darts.  
The probability of Sam winning at dominos is 0.6  
The probability of Sam winning at Darts is 0.3  
(a) Complete the tree diagram.



(2 marks)

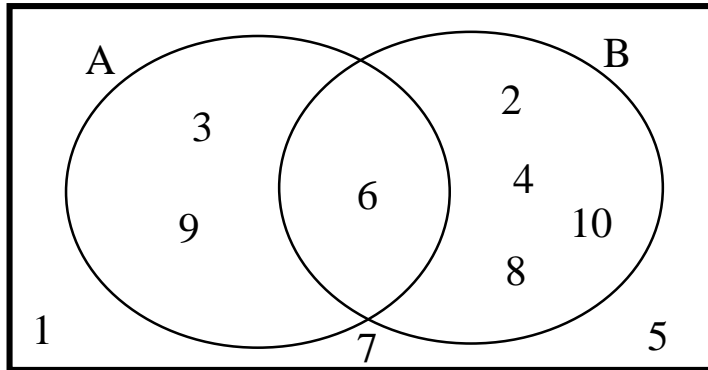
(b) Work out the probability that Sam loses both games.

.....  
(2 marks)

2. William is going to roll 2 fair six sided dice.  
He will add the two scores together.  
Calculate the probability of scoring a total of 10.

.....  
(3 marks)

3. Below is Venn diagram showing some data.



Write down the probability of selecting:

- (i)  $A$  .....
  - (ii)  $A \cap B$  .....
  - (iii)  $A'$  .....
- (3 marks)

2. There are 2 red counters and 3 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 different colours are selected.

.....  
 (2 marks)

Score =