1. In a bag of counters, there are 4 red, 2 blue and 1 green.

   Write down the probability of selecting:

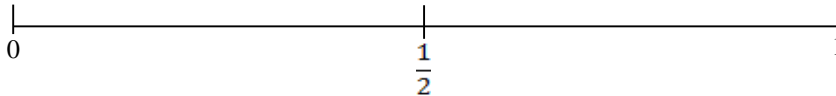   (i)   Red   ……………………

   (ii) Pink   ……………………

   (iii) Not blue   ……………………

   (3 marks)

2. On the probability scale below, mark with an X

   The probability of selecting a black card from a standard deck of cards.

   $$\vdash\!\dashv$$

   0                          $\frac{1}{2}$ 1

   (1 mark)

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

Red	Blue	Green	Orange
0.2	0.3	x	0.1

   Work out the value of x.
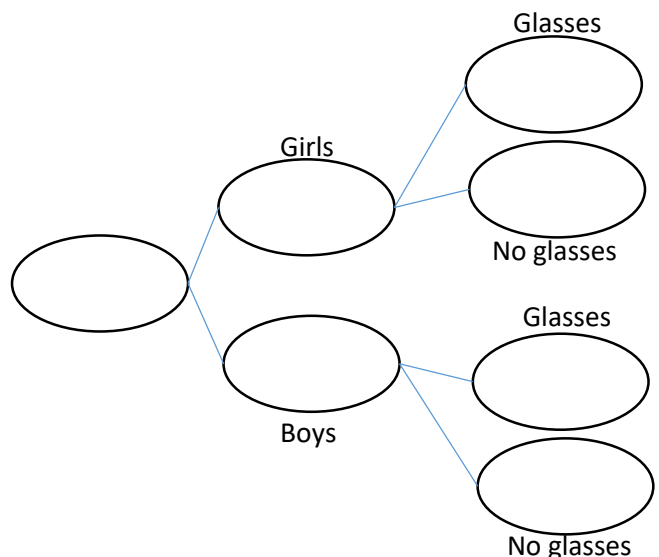
   $x =$……………

   (1 mark)

4. There are 30 students in a class.

   12 of the students were boys
   5 of the girls wear glasses
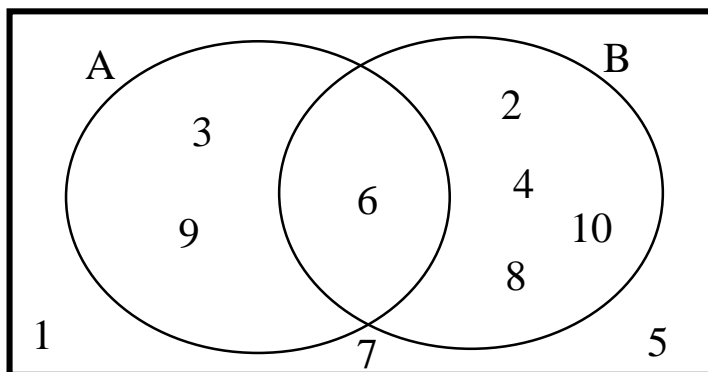   9 of the boys don't wear glasses.

   (a) Complete the frequency tree.

   Girls — Glasses / No glasses
   Boys — Glasses / No glasses

   (2 marks)

5. Below is Venn diagram showing some data.

A ... 3 ... 9 ... 6 ... B ... 2 ... 4 ... 10 ... 8 ... 1 ... 7 ... 5

Write down the probability of selecting:

(i) A ....

(ii) $A \cap B$ ....

(iii) A' ....

(3 marks)

6. William is going to roll 2 fair six sided dice.
   He will add the two scores together.
   He has started to complete the sample space diagram.

(a) Complete the table

+	1	2	3	4	5	6
1				6		
2						
3		5				
4						
5			9			
6						

(b) Calculate the probability of scoring a total of 10.   ....

(3 marks)

Score =