1. In a bag of counters, there are 4 red, 3 blue and 7 yellow.

   Write down the probability of selecting:

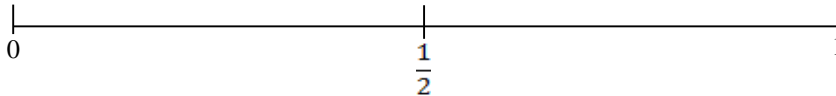   (i)   Red   …………………

   (ii) Not yellow   …………………

   (iii) Blue or yellow   …………………

   (3 marks)

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

   The probability of rolling a **prime number** on a six sided dice.

   ```
   |-----------------------|-----------------------|
   0                       1                       1
                           2
   ```

   (1 mark)

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

Red	Blue	Green	Orange
0.15	0.4	x	0.2

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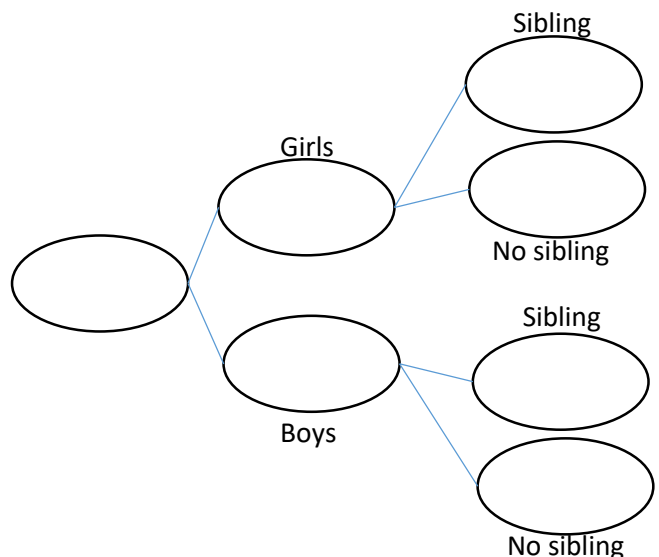
   x =……………

   (1 mark)

4. There are 40 members of a group.

   18 of the members were boys
   8 of the girls have a sibling
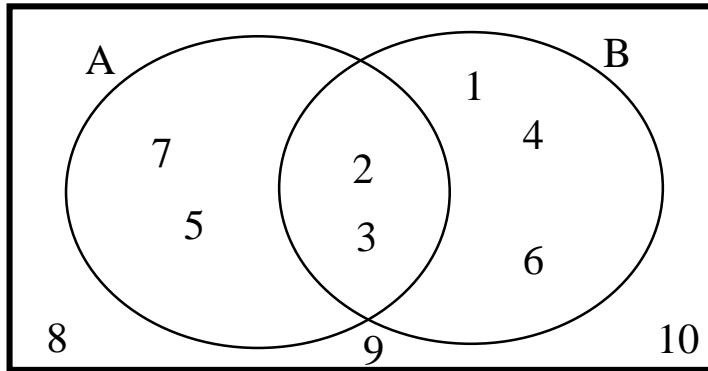   5 of the boys don't have a sibling.

   (a) Complete the frequency tree.

   Sibling

   Girls

   No sibling

   Sibling

   Boys

   No sibling

   (2 marks)

5. Below is Venn diagram showing some data.

Write down the probability of selecting:

(i) B …………………

(ii) $A \cup B$ …………………

(iii) A' …………………

(3 marks)

6. Elizabeth is going to roll 2 fair five sided dice.
   She will add the two scores together.
   She has started to complete the sample space diagram.

(a) Complete the table

+	1	2	3	4	5
1					
2	3				7
3					
4			7		
5					

(b) Calculate the probability of scoring a total less than 5.

………………

(3 marks)

Score =