1. In a bag of counters, there are 5 red, 3 green and 6 pink.
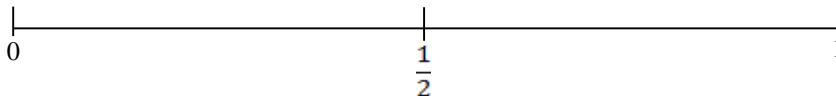
Write down the probability of selecting:

(i)   Green   ....

(ii) Red or green   ....

(iii) Not red   ....

(3 marks)

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

The probability of rolling an **odd 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.
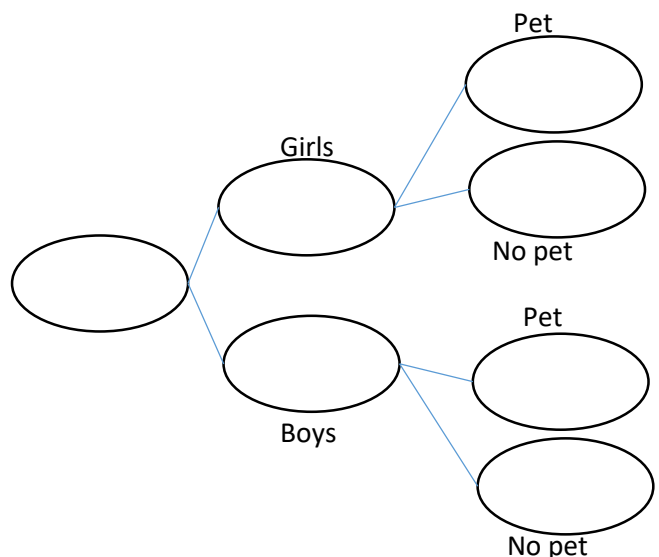
Red	Blue	Green	Orange
0.2	0.35	x	0.1

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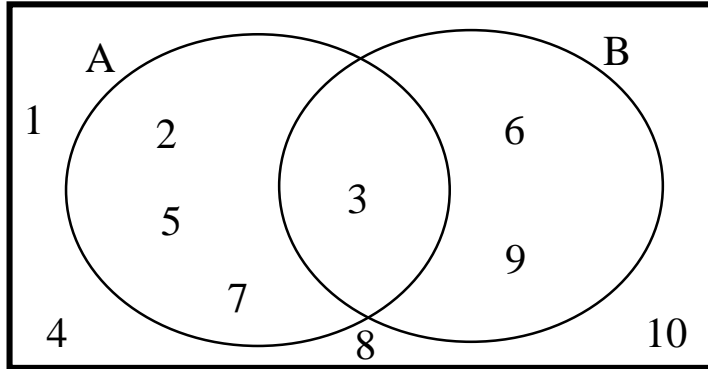
$x =$.................

(1 mark)

4. There are 40 members of a group.

25 of the members were boys
10 of the girls have a pet
13 of the boys don't have a pet.

(a) Complete the frequency tree.

Pet

Girls

No pet

Pet

Boys

No pet

(2 marks)

5. Below is Venn diagram showing some data.

Write down the probability of selecting:

(i) A ....

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

(iii) B' ....

(3 marks)

6. Joseph is going to roll 2 fair five sided dice.
   He multiplies the two scores together.
   He has started to complete the sample space diagram.

(a) Complete the table

x	1	2	3	4	5
1					
2				8	
3					
4			12		
5	5				

(b) Calculate the probability of scoring a total which is even.
....

(3 marks)

Score =