

1. There are 16 counters in a bag. 5 red, 4 yellow and the rest are green.

Write down the probability of selecting:

(i) Green

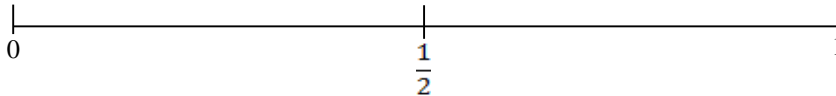
(ii) Not red

(iii) Green or yellow

(3 marks)

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

The probability of rolling a number less than 3 on a dice.



(1 mark)

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

Red	Blue	Green	Orange
0.4	x	x	x

The probability of blue, green and orange is the same

Work out the value of x .

$x = \dots\dots\dots$

(1 mark)

4. There are 75 members of a group.

34 of the members were boys

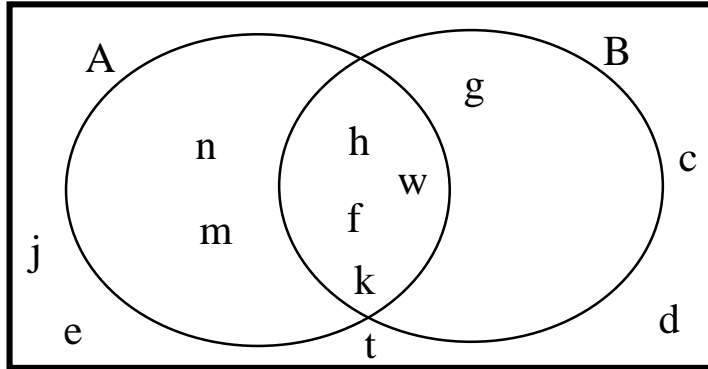
18 of the girls have a pet

17 of the boys don't have a pet.

(a) Draw a frequency tree.

(4 marks)

5. Below is Venn diagram showing some data.



Write down the probability of selecting:

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

6. Hannah is going to roll 2 fair dice.

She will then sum the scores together.

(a) Draw a sample space diagram to show this.

- (b) Calculate the probability of getting a total between 4 and 7.
- (3 marks)

Score =