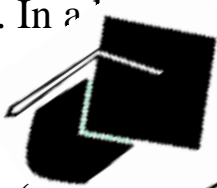


1. In a bag of 14 counters, there are 4 red, 3 blue and 7 yellow.



probability of selecting:

(i) 1 (1 mark)

(ii) 1 (1 mark)

(iii) Blue (1 mark)

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(3 marks)

2. On the probability line, mark with an X

The probability of rolling a 1 on a six sided dice.



(1 mark)

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

Red	Blue	Orange
0.15	0.4	0.2

Work out the value of x .

$x = \dots\dots\dots$

(1 mark)

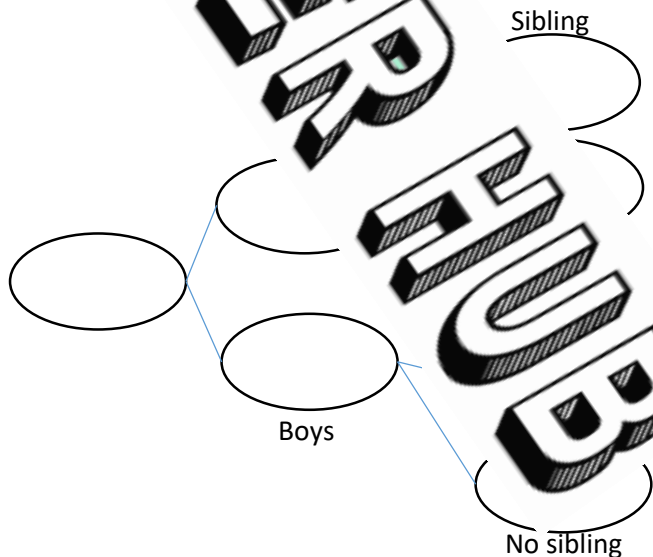
4. There are 40 members of a group.

18 of the members were boys

8 of the girls have a sibling

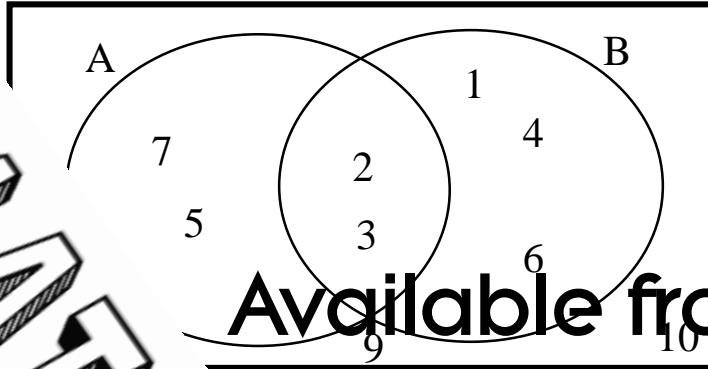
5 of the boys don't have a sibling.

(a) Complete the frequency tree.



(2 marks)

5. Below is a Venn diagram showing some data.



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Write down the number of elements in each set, selecting:

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

(3 marks)

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

(a) Complete the table

+	1	2	3
1			
2			
3			
4			
5			

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

.....
.....
(marks)

Score =