

1. There are 10 counters in a bag. 5 red, 3 green and the rest are blue.

Work out the probability of selecting:

(i) A green counter ..... (1 mark)

(ii) A blue counter ..... (1 mark)

(iii) Red counter ..... (1 mark)

(3 marks)

2. On the probability line below, mark with an X the probability of a summer holiday in the summer.

The probability of a summer holiday in the summer is  $\frac{1}{2}$ .



(1 mark)

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

<b>Red</b>	<b>Blue</b>	<b>Orange</b>
0.3	$x$	$x$

The probability of blue and orange is the same.  
Work out the value of  $x$ .

$x = \dots\dots\dots$

(1 mark)

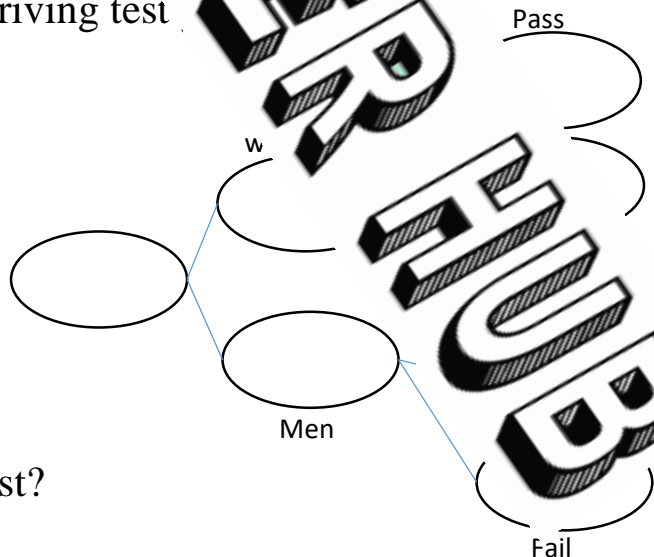
4. There are 60 adults who took their driving test.

36 of the people were women.

One quarter of the men didn't pass.

11 of the women didn't pass.

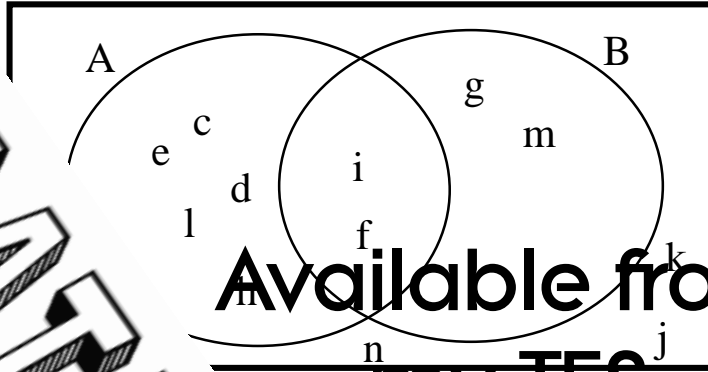
(a) Complete the frequency tree.



(b) How many people passed the test?

(3 marks)

5. P Venn diagram showing some data.



Available from  
my TES  
account

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

- (i)  $A$  .....
- (ii)  $A \cap B$  .....
- (iii)  $A \cup B$  .....

(3 marks)

6. Marcus is going to roll 2 fair 5-sided dice.

He will then sum the scores together.

(a) Draw a sample space diagram for the sum of the scores.

(b) Calculate the probability of getting at least a 7 on the dice.

.....

(4 marks)

Score =