

1. A bag contains 10 counters in a bag. 5 green, 3 brown and the rest are pink.

Work out the probability of selecting:

- (i) Pink
- (ii) Brown
- (iii) Not brown

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account (3 marks)

2. On the probability line below, mark the probability of rolling a number greater than 3 on a dice with an X.



(2 marks)

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

Red	Blue	Orange
0.15	0.55	

The probability of green is twice the probability of orange.
Complete the table

(2 marks)

4. There are 150 attendees at a conference.
83 are Male.
42 chose a cup of tea, 16 of which were female.
Everybody else had a cup of coffee.

(a) Draw a frequency tree.

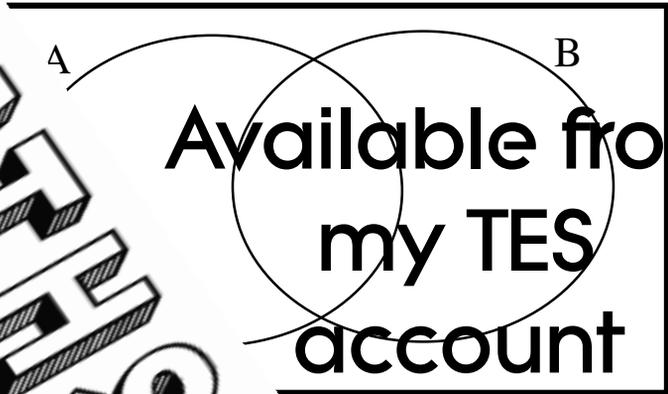
(4 marks)

5. Put the following data into the Venn diagram below.

{ integers less than 16 }

{ multiples of 5 }

{ prime numbers }



Write down the probability of each event occurring:

(i) $A \cap B$

.....

(ii) $A' \cap B'$

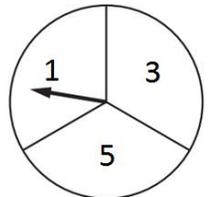
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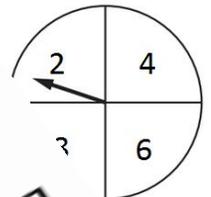
6. Oliver is going to spin the two spinners below.

He will then product the scores on the spinners.

(a) Draw a sample space diagram for the two spinners.



Spinner A



Spinner B

(b) Calculate the probability of getting a total less than 10.

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(3 marks)

Score =