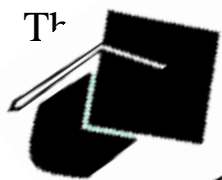1. The table below shows the probabilities of choosing a counter from a bag.

   The ... yellow to black is in a ratio of 2:3

   ...able.

...n	Blue	Yellow	Black
	0.41		

(2 marks)

2. Ross ha... ...o different motorways to get home from work.
   The proba... ...raffic on motorway A is 0.45
   The probab... ...ffic on motorway B is 0.7
   (a) Complete

   Mot...   **Motorway B**

   ..... — Traffic

   ..... —

   No
   traffic

   Traffic

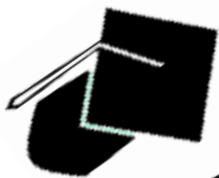   ..... — No
   traffic

   ...

(2 marks)

   (b) Work out the probability he will only stop in

   ....
   ...rks)

2. Ashley is going to roll 2 fair six sided dice.
   She will sum the scores together.
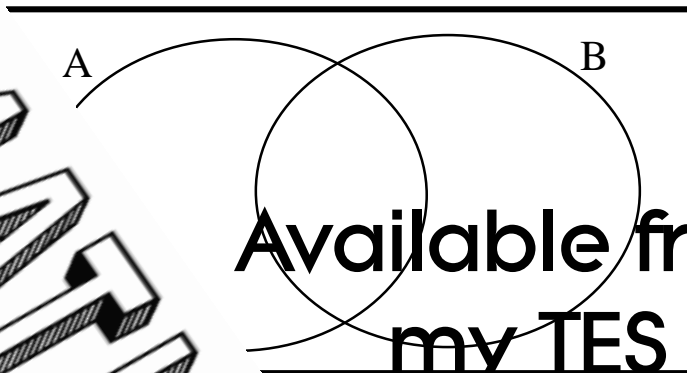
   Calculate the probability of scoring a prime number.

   ....
   (3 marks)

3. The Ve   diagram contains only the letters show below.

$u, r, n\}$ $B = \{j, u, p, i, t, e, r\}$

A   B

List the values

(i) $A \cap B'$ …………………

(ii) $A' \cap B$ …………………
                                                              (4 marks)

2. There are 3 red counters and   'n a bag.
   One counter is taken out, not r
   A second counter is then taken.
   (a) Draw a tree diagram to display

                                                              ks)

   (b) Work out the probability that they are both the same colo

                                                              …
                                                              .rks)

Score =