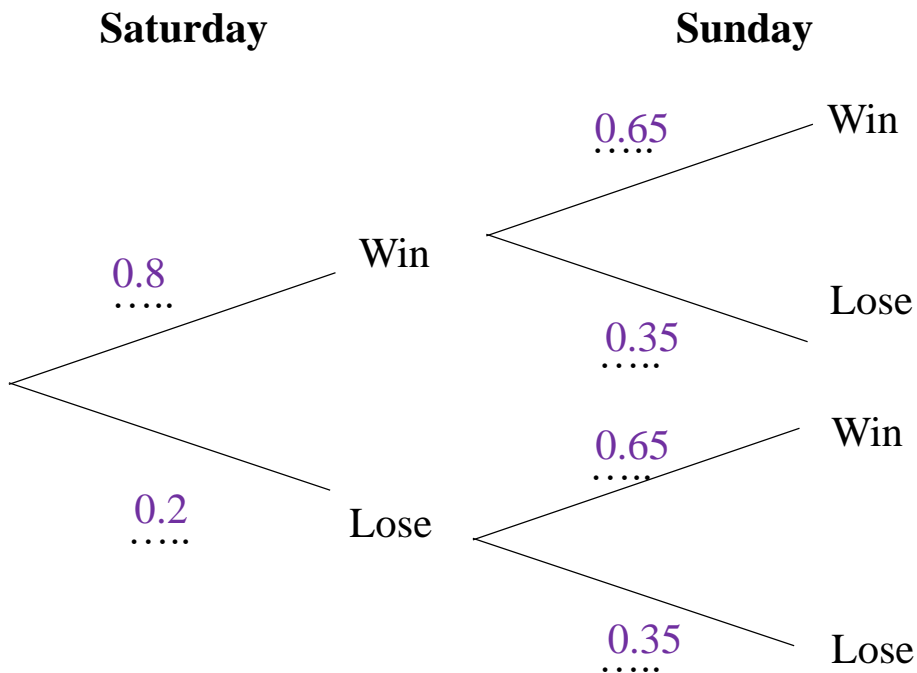1. The table below shows the probabilities of choosing a counter from a bag.

The value of red is two fifths the value of orange.

Complete the table.

Red	Blue	Green	Orange
0.22	0.18	0.15	0.45

(2 marks)

2. Maisy plays for two different netball teams over the weekend.
The probability she will in during her Saturday game is 0.8
The probability she will loose during her Sunday game is 0.35
(a) Complete the tree diagram.

Saturday   **Sunday**

0.65 ⟋ Win

0.8 ⟋ Win

0.35 ⟍ Lose

0.2 ⟍ Lose

0.65 ⟋ Win

0.35 ⟍ Lose

(2 marks)

(b) Work out the probability she wins at least 1 game.

0.93
....

(2 marks)

2. Carl is going to roll 2 fair six sided dice.
He will product the scores together.
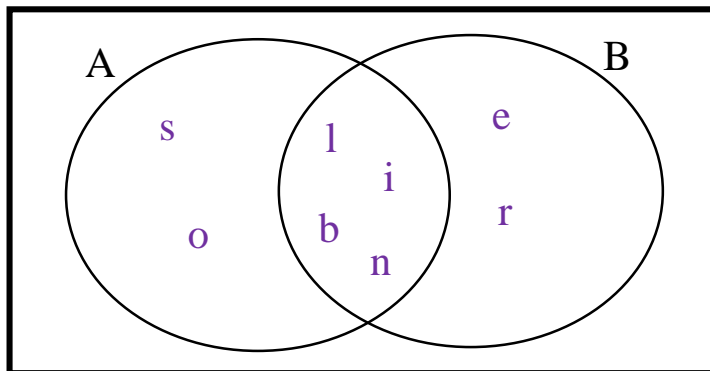
Calculate the probability of scoring a square number.

$\dfrac{1}{6}$
....

(3 marks)

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

$A = \{b, e, r, l, i, n\}$ $B = \{l, i, s, b, o, n\}$

List the values of:

(i) $A \cap B$

l, i, b, n
....

(ii) $A \cup B$

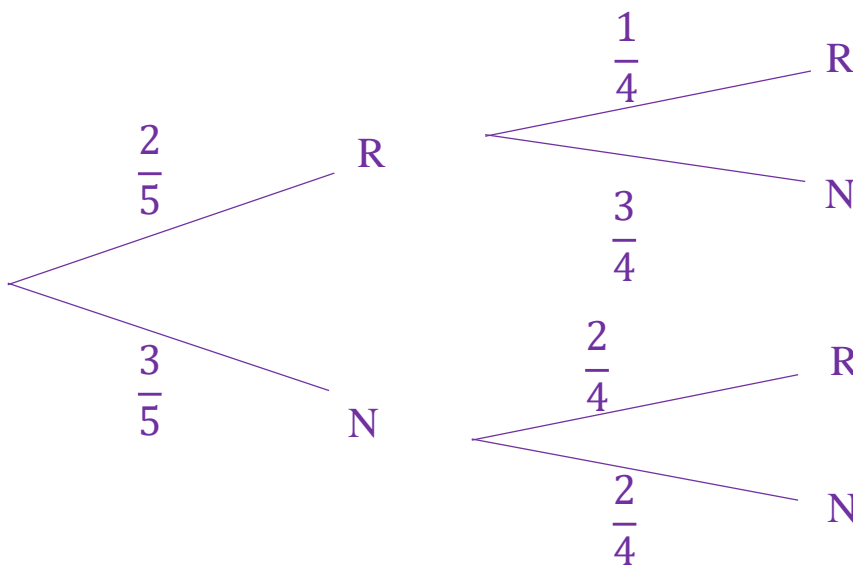s, o, l, i, b, n, e, r
....

(4 marks)

2. There are 2 red counters and 3 navy counters in a bag.
   One counter is taken out, not replaced.
   A second counter is then taken.
   (a) Draw a tree diagram to display this information.

(2 marks)

(b) Work out the probability that they are both navy.

$\dfrac{3}{10}$
....

(2 marks)

Score =