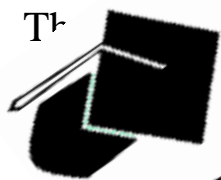


1. The table below shows the probabilities of choosing a counter from a bag. The probability of choosing green is twice the value of orange.



	Blue	Green	Orange
	0.3		

(2 marks)

2. Sam goes to the cinema, plays dominoes, and one game of darts. He plays dominoes twice. The probability of winning at dominoes is 0.6. The probability of winning at Darts is 0.3.

(a) Complete the tree diagram.



(2 marks)

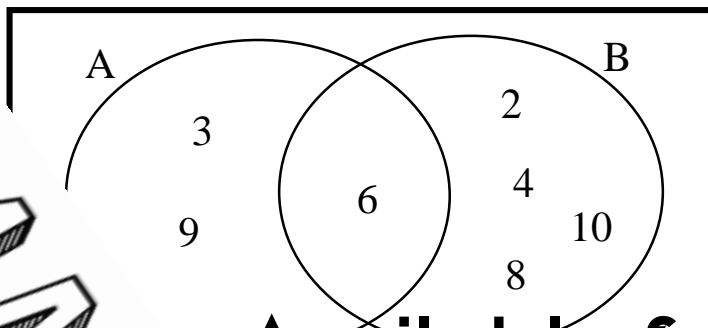
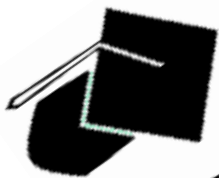
(b) Work out the probability that Sam loses both games.

.....
(3 marks)

2. William is going to roll 2 fair six sided dice. He will add the two scores together. Calculate the probability of scoring a total of 10.

.....
(3 marks)

3. Below is a Venn diagram showing some data.



Available from

by selecting:

**my TES
account**

Write down:

(i) A

(ii) $A \cap B$

(iii) A'

.....
.....
.....

(3 marks)

2. There are 2 red counters and 3 blue counters in a bag. One counter is taken out, recorded, and then replaced. A second counter is then taken.

a bag. The counter is then replaced back in the bag.

(a) Draw a tree diagram to display the possible outcomes.

(b) Work out the probability that different colours are selected.

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

Score =