Probability

1. Richard visits a restaurant with a lunch time special. This is the menu.

Starters	Mains
Soup	Pizza
Potato skins	Pasta
	Chicken

List all the possible outcomes.

(2 marks)

2. At a coffee shop you can get a drink and a snack for £3.50
Below are the options

Starters	Mains
Tea	Cake
Coffee	Scone
Soft drink	

(2 marks)

Probability

3.   In a fair you can pick 1 token out of box A and 1 token out of box B.
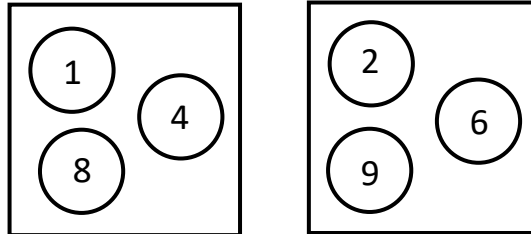
a) List all the possible combinations

You add up the two numbers on your two tokens.

b) Complete the sample space for the

+	1	4	8
2			
6			
9			

You win a prize if you score 12 or more

c) What is the probability that you win a prize?

(6 marks)

Probability

4. Two fair dice are rolled.

    The numbers on the dice are added together.

    a) Complete the sample space for the information

    Dice 1

+	1	2	3	4	5	6
1						
2						
3						
4						
5						
6						

    Dice 2
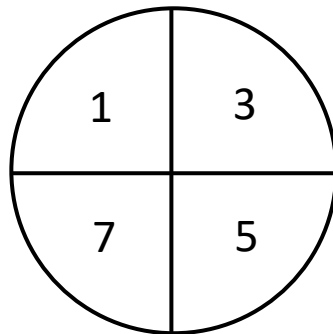
    b) What is the probability of getting a number less than 5?

    c) What is the probability of picking a prime number?

    (6 marks)

Probability

FUNCTIONAL MATHS
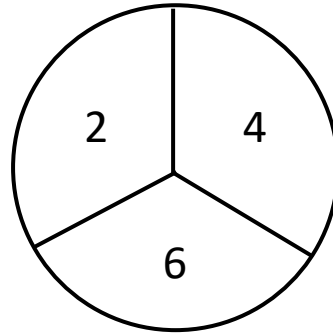
5. Below are two spinners.

Spinner 1   Spinner 2

The two spinners are spun, and the scores are multiplied together.

a) Complete the sample space

Spinner 1

×	1	3	5	7
2				
4				
6				

Spinner 2

b) What is the probability of getting a score of 30 or more?

c) What is the probability of getting an odd number?

d) What is the probability of getting a score which is a multiple of 5?

(3 marks)

Probability

6.   A coin is tossed and a fair diced is rolled.

   a) Draw a sample space for this information

   b) What is the probability of getting a head?

                                                    (3 marks)