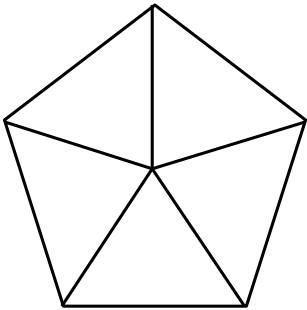


GCSE Maths worksheet 14

Name _____

Group _____

Don't use a calculator. Do all your working on this sheet. Answer all the questions.

1	<p>A <u>fair</u> dice is rolled once. Write down the probability of scoring 5</p>	
2	<p>A café menu lists the following starters and main courses.</p> <p>Starters: Melon, Avocado, Prawn cocktail</p> <p>Main courses: Chicken, Lamb, Vegetarian</p> <p>a) List all the possible <u>combinations</u> of starter and main course. The first has been completed for you as an example.</p> <p>MC,</p> <p>b) Algernon chooses a starter and a main course <u>at random</u>. What is the probability that the particular combination he chooses will be meat free?</p>	
3	 <p>Each sector in the spinner is labelled with an A, B or a C.</p> <p>Label the spinner in a way that makes C likely, A unlikely and B unlikely.</p>	

4

A biased dice has the following probabilities

Score	1	2	3	4	5	6
Prob.	0.05	0.2	0.1	0.2	X	2X

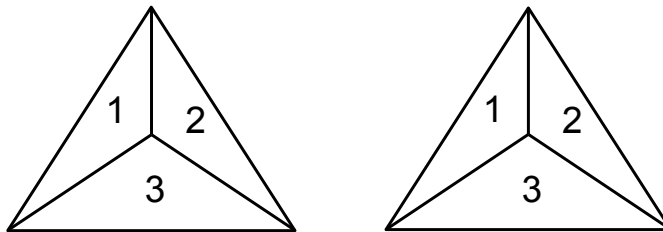
a) Work out the probability of rolling a 6 on this dice

The dice is rolled 200 times.

b) How many times would you expect to see the score 2?

5

Harjit has two spinners as shown...



In Harjit's game you spin both spinners and calculate the score by adding the result of spinner 1 to the result of spinner 2.

- a) What is the smallest score you can get?
- b) What is the largest score you can get?
- c) The table below shows all possible scores. The first row has been filled in for you. Complete the table...

		First spinner		
		+	1	2
Second spinner	1	2	3	4
	2			
	3			