EQUALLY LIKELY OUTCOMES

Name:

Assessment Criteria: In probability, select methods based on equally likely outcomes and experimental evidence, as appropriate

1. A fair 6 sided die is rolled. What is the probability of scoring:

   (a) A four _____

   (b) A value more than four _____

   (c) An odd number _____

2. If there are 3 red counters, 2 blue counters and 5 green counters in a bag. What is the probability of selecting:

   (a) a green counter _____

   (b) a blue counter _____

   (c) a yellow counter _____

3. In an experiment a six-sided die was rolled 200 times. It landed on the number four 100 times. Do you think the dice is fair? Explain your answer.

4. Explain how you could find out the probability of a drawing pin landing point up if dropped from a height of 1 metre.

5. John says,

"*The probability of winning the lottery is 50:50, you either win or you don't*"

What do you think about John's comment?

Overall, I think my success level is:	Low ○ ○ ○ ○ High

Q	EQUALLY LIKELY OUTCOMES	☺	☹
	I can find a probability based on equally likely outcomes		
	I can identify situations which do not involve equally likely outcomes		
	I can use experimental methods to estimate probabilities		
	I can draw simple conclusions of my own and give an explanation of my reasoning		

I need to practise …