Theoretical and Experimental Probability Revision											
(a)	(b)						(c)				(d)
A bag contains 6 red sweets, 5 orange sweets and 3 yellow sweets. Find the probability of choosing an orange sweet at random from the bag.	A fair six-sided spinner is numbered 1 to 6. The spinner is spun once. Find the probability that the spinner lands on a multiple of 3.						There are 10 balls in a bag. 7 of the balls are red and the rest are yellow. When a ball is picked from the bag at random, what is the probability that it is blue?			and the n a ball is bag at probability	There are 5 white counters, 8 black counters and 7 grey counters in a bag. A counter is chosen at random. What is the probability that it is not white?
(e)	(f)									(g)	
A purse contains 20 coins. They are either 10p or 5p coins. The probability of choosing a 5p coin at random is 0.4. How many 10p coins are in the purse?	Zack rolls a biased dice. The pro the numbers 1 to 4 is shown in likely to land on a 5 as it is to laNumber12Probability0.20.05					the ta	able. The	dice is t	wice as	The probability that a biased spinner lands on a 2 is 0.3. Jemima spins the spinner 150 times. Work out an estimate for the number of times the spinner will land on a 2.	
(i)							(k)				
Leon has a fair four-sided spinner containing the numbers 1, 3, 5 and 7.			1	3	5	7	A bag contains 12 red counters and 6 blue counters. Some more blue counters are added to the bag, so that the probability of				
He spins it twice and adds the two numbers together to get a total.		1					cho	osing a b	$\frac{3}{7}$. How many blue counters have to the bag?		
(a) Complete the sample space.(b) Calculate the probability of L	eon	3		6							
getting a total of 10 or more.		5				12					
		7									