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. $\frac{5}{14}$	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. $\frac{1}{3}$						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? $\frac{3}{4}$	
(e)	(f)									(g)		
A purse contains 20 coins. They are either 10p or 5p coins. The probability of choosing a 5p coin at random	Zack rolls a biased dice. The probability that it lands on each of the numbers 1 to 4 is shown in the table. The dice is twice as likely to land on a 5 as it is to land on a 6. Complete the table.										The probability that a biased spinner lands on a 2 is 0.3. Jemima spins the spinner 150 times. Work out an estimate	
is 0.4. How many 10p coins are in the purse?	Number		1		2		3	4	5	6	for the number of times the spinner will land on a 2.	
12	Probabili	ity 0.2			0.05		0.1	0.2	0.3	0.15	45	
(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 tw numbers together to get a total.		1	2	4	6	8	choosing a blue counter is now $\frac{3}{7}$. How many blue counters have been added to the bag?					
(a) Complete the sample space.(b) Calculate the probability of L	eon	3	4	6	8	10		3				
getting a total of 10 or more. 3		5	6	8	10	12						
8			8	10	12	14						