## **Theoretical and Experimental Probability Revision**

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(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?				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 protect the numbers 1 to 4 is shown in likely to land on a 5 as it is to la						the table. The dice is twice as				The probability that a biased spinner lands on a 2 is 0.3.  Jemima spins the spinner 150 times. Work out an estimate	
	Number		1		2		3	4	5	6	for the number of times the spinner will land on a 2.	
	Probability		0.2		0.05	0.05		0.2				
(i)								(k)				
Leon has a fair four-sided spinne containing the numbers 1, 3, 5 a			1	3	5	7		bag contains 12 red counters and 6 blue counters. Some blue counters are added to the bag, so that the probability				
He spins it twice and adds the ty numbers together to get a total.		1					cho	choosing a blue counter is now $\frac{3}{7}$ .				
<ul><li>(a) Complete the sample space.</li><li>(b) Calculate the probability of L</li></ul>	.eon	3		6			been added to the bag?					
getting a total of 10 or more.		5				12						
		7										