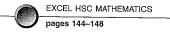
Probability

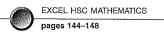
Successive outcomes (1)



Question 1		A bag contains 5 red, 3 blue and 2 yellow counters. One counter is drawn at random, then i replaced after its colour has been noted and another drawn. What is the probability that:					
a	both count	ters are blue	b	both are the same colour			
С	the second	counter is the same one that was draw	n fir:	st?			
Qυ	ESTION 2	a hat. To form a committee of three,	three	written on a separate piece of paper and placed in names are drawn at random, one after the other,			
a	are all male	without replacement. What is the prob	abılıt b	y that the members of the committee: are the same sex?			
Qυ	ESTION 3	2 flat batteries are mistakenly dropped are drawn at random from the box, find	into d the	a box which contained 9 charged batteries. If two probability that:			
	they are bo	th flat	b	at least one is flat			

Probability

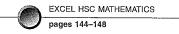
Successive outcomes (2)



QU	ESTION I	card is chosen at random and placed	Ive a single letter written on them, E, R, S, U and 2 Ms. One on a desk. A second card is then drawn and placed beside are lying on the desk. What is the probability that the cards
Qu	JESTION 2	A yellow die and a green die are thrown together. What is the probability that:	rown together. What is the probability that:
a	they both		
b	they both	show the same number	
c	the numbe	r on the green die is higher than the	
Qυ	ESTION 3	The probability that player A can bed draws.) What is the probability that,	at player B in a game of squash is $\frac{2}{3}$. (There are no ties or , if 3 games are played:
a	A wins all	3 games	b B wins at least 1 game

Probability

Successive outcomes (3)



Qυ	ESTION 1	The probability of winning has If the probability that Rosehi the probability that:	been determing wins is 40%	ed for early and the	ach of two horses running in separate races. probability that Kaynine wins is 30%, find
a	both horse	es win their races	b	neither	horse wins
C	Rosehip w	ins but Kaynine doesn't	d	at least	one of the horses wins
				-	
Qu	JESTION 2	The probability of winning a p	orize with each 99% sure of v	ticket ir vinning a	n a raffle is $\frac{1}{5}$. How many tickets would you a prize?
				- <u>-</u>	
					· · · · · · · · · · · · · · · · · · ·
		#			

Page 185 1 a $\frac{9}{100}$ b $\frac{19}{50}$ c $\frac{1}{10}$ 2 a $\frac{2}{33}$ b $\frac{2}{11}$ 3 a $\frac{1}{55}$ b $\frac{19}{55}$

Page 186 1 $\frac{1}{360}$ 2 a $\frac{1}{36}$ b $\frac{1}{6}$ c $\frac{5}{12}$ 3 a $\frac{8}{27}$ b $\frac{19}{27}$ Page 187 1 a 12% b 42% c 28% d 58% 2 21