

1.																	
	Let A and B,			that tl	ne probability	that ex	xactly one of th	em oc	curs is $\frac{2}{5}$, and	the p	robability that	A or	B , occurs is $\frac{1}{2}$,	then	the probability	of n	
	both of them (1) 0.02	occur						(2)	0.20								
	(3) 0.01							(4)	0.10								
2.	A five digits n	umb	er is formed by	writi	ng the digits	1, 2, 3	, 4, 5 in a rand	lom or	der without re	epetit	ons. Then the	oroba	bility that the r	umbe	er is divisible b	y 4, is	
	$(1)_{\frac{3}{5}}$ ongo $(3)_{\frac{1}{5}}$							(2)	5 thongo 6 5		mathongo						
3. ///.	A basket conta fruits are both		apples and 7 or apples or both oran	_			et contains 4 ap	•	nd 8 oranges.	One f	ruit is picked o		m each basket	. The	probability that	t the	
	(1) 24/144 (3) 68/144							` ′	56/144 76/144								
4.	Twenty person	ns am	ong whom A a	and B	, sit at randon	1 arour	nd a round table	e, then	the probabilit	y tha	t there are any	6 pers	sons between A	1 and	B is		
	(1) $\frac{2}{19}$							(2)	$\frac{17}{19}$								
///.	$(3) \frac{{}^{18}C_{6} \times 2!}{19!}$		mathongo	///.	mathongo		mathongo		$^{19}_{18}C_6 \times 2! \times 2!$		mathongo		mathongo		mathongo	///. n	
5.	on a selected of			o 15.	Seven coupor	is are s	selected at rand	om, or	ne at a time wi	ith rep	placement. The	prob	ability that the	large	st number appe	aring	
	$(1) \left(\frac{1}{15}\right)^7$	-	mathongo					(2)	$\left(\frac{8}{18}\right)^7$ ngo								
	$(3) \left(\frac{3}{5}\right)^7$								None of thes								
6.	$S=\{1,2,3,\ldots$	20}	if three numb	ers ar	e chosen at ra	ndom	from S , the pro	babili	ty that they ar	e in A	A.P. is						
	(1) $\frac{3}{38}$							(2)	35 33								
///.	(3) $\frac{33}{35}$ Let P_1 , P_2 and	//.	mathongo	///.	mathongo	///.	mathongo		n 38 thongo	//.	mathongo			///.	mathongo		
٠.							tudent passes in					11, 1	2 and 13 are in	C 1001	is of equation		
	$(1)_{\frac{3}{20}}$ $(3)_{\frac{1}{4}}$							(2) (4)	n 20 thongo								
8.	In a box, there	e are	20 cards, out o	f whic	ch 10 are labe	lled as	A and the rem	aining	10 are labelle	d as .	B . Cards are d	rawn	at random, one	after	the other and v	with	
		ill a s	second A -card	is ob	tained. The pr	robabil	ity that the sec			befo	re the third B -	card i	s:mathongo				
								12.1	_								
	(1) $\frac{9}{16}$ (3) $\frac{13}{16}$							(4)	16 15 16								
9.	(3) $\frac{13}{16}$	ıs 6 R	ed and 4 Blacl	k ballı	s and urn B co	ontains	4 Red and 6 B		$ \frac{\frac{11}{16}}{\frac{15}{16}} $ alls. One ball	is dra	wn at random	from	urn A and plac	ed in	urn B . Then or	ne ball	
9.	(3) $\frac{13}{16}$ Urn A contain is drawn at ran						4 Red and 6 B ball is now dra	lack b wn at	alls. One ball random from				•		urn $\it B$. Then or	ne ball	
9.	(3) $\frac{13}{16}$ Urn A contain is drawn at ran (1) $\frac{19}{55}$							lack b wn at i	alls. One ball random from $\frac{32}{55}$				•		urn <i>B</i> . Then or	ne ball	
	(3) $\frac{13}{16}$ Urn A contain is drawn at ran	ndom	from urn B ar	nd pla	ced in urn A.	If one	ball is now dra	lack b wn at 1 (2) (4)	alls. One ball random from $\frac{32}{55}$ $\frac{9}{55}$	urn A	, then the prob	abilit	y that it is Red	is ///.		ne ball	
	(3) $\frac{13}{16}$ Urn A contain is drawn at ran (1) $\frac{19}{55}$ (3) $\frac{41}{55}$ Suppose $f(x)$: function, is	$=x^3$	from urn B ar mathongo $+ax^2+bx+$	od pla	ced in urn A . mathongo here a, b, c are	If one	ball is now dra	lack b wn at (2) (4) by three	alls. One ball random from $\frac{32}{55}$ $\frac{9}{55}$ owing a dice to $\frac{3}{2}$	urn A	mathongo	abilit	y that it is Red mathongo pability that $f(x)$	is ///. x) is a	mathongo an increasing	ne ball	
	(3) $\frac{13}{16}$ Urn A contain is drawn at ran (1) $\frac{19}{55}$ (3) $\frac{41}{55}$ Suppose $f(x)$: function, is (1) $\frac{4}{9}$	$=x^3$	from urn B ar mathongo $+ax^2+bx+$	od pla	ced in urn A . mathongo here a, b, c are	If one	ball is now dra mathongo en respectively	lack b wn at (2) (4) by thre	alls. One ball random from $\frac{32}{55}$ $\frac{9}{55}$ owing a dice to $\frac{3}{8}$	urn A	mathongo	abilit	y that it is Red mathongo pability that $f(x)$	is ///. x) is a	mathongo an increasing		
	(3) $\frac{13}{16}$ Urn A contain is drawn at ran (1) $\frac{19}{55}$ (3) $\frac{41}{55}$ Suppose $f(x)$: function, is (1) $\frac{4}{9}$ (3) $\frac{2}{5}$	ndom $=x^3$	from urn B ar mathongo $+ax^2+bx+$ mathongo	c, w	ced in urn A . mathongo here a,b,c are	If one	ball is now dra mathongo en respectively	(2) (4) by three (2) (4)	alls. One ball random from $\frac{32}{55}$ $\frac{9}{55}$ owing a dice to $\frac{3}{8}$ $\frac{16}{34}$	urn A	mathongo times. Then, th	abilit	y that it is Red mathongo pability that $f($	is	mathongo an increasing mathongo		
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