Preactice_ shoot-C&P

ST_Nadia_T121

in the state of the state of the a) End with y? (Mill) Reife 31101 - 3000 Anso a) [26] = 11.881376 b) Start with re and end ii b? no repitation rowel Do not contain z,e, rc.o.

e) divisible by only 5 orc only 7? Anso (199-28) + (142-28) Forc 1 digit numberce 10c. FOR 2 11 11 8 9C, X.9C, 0 9c, x 9c, x 8c, Guestion 03 many toys? Numberd Color = F

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At least 3 toys of red 8 b) How many batters toys? Any o word test toys 3 blue 11: = 13 toys 100 Arorange au toys. In how many ways? 101101 = 184756 Question 04 Drakas population=22 M =22 × 1000000 At most people number of people who car, different binthday = have same initial and same binthday =

people asho have same similar and same birthday = 22000000 = 3'4n4 [proven] Question 5 a) corcrection à at least 15 female on 15 male Anyo of female = 14 [The statement is male = 14 [Gotto false of both total=28 < 30 are false] so number of female or male must have to be >=15. 77 male Students 13 female 11 male = 16 female=12 total = 28 < 30

DAND I JULY

(O) 2 (3, 4, 5, 6, 7,8)

{(1,8) (2,7), (3,6), (4,5)}

works core of 60, 1,2,3,4,5,6)

Workst care [201,2,34,5]

go, are meed to select at least & Integery to

ensure that there must be a paire whose sum=9

of 1,2,3,4) is selected then the conclusion is violated.

Question 6

no man stand next to each other no man stand in a line?

Validion 21+1 Ang o So, ways 22 P10 = 2.35×10 GuerRon 7 Security 16 c 10 = [8008] AM a jorgingon à 0 L x 200 = 2.9 X10 Ans No women case o 10c 10 At least one asoman lease : 16c. (d) (301 3 x Marison) = 8007 100, x 30, x 30, x 3! 4320 Ans

Guestion 8 6 women 8 seats 3 women passengers women x 5 men 603×8C= case 20 women x 3 men! 6c5 × 8c3



corrections At loost 1 avomen

(a)

(O11) (O11) (O11) (O11)

(b)

String length = 14

at least fine 0

11 11 11 1

 $5 = 20009 \text{ one} = \frac{14!}{519!} = 2002$

6 + 1 + 8 = 141 = 141 = 3003

0 11 6 11 = 3432

911511 = 1418161 = 3003

+otal = 13442

a smoltal F

FVERGREEN

of 8 letters?
$$4E$$
 4 same 2 same 2 d

 $2R$ $+$ $8!$ $= 890$
 $10R$ 4 same 4 diff

 $1N$ 4 same 4 diff

 $1N$ 4 same 4 diff

 $1N$ 4 same 4 diff

Pf 7 letters 8

4 same 2 same 1 diff

$$3c_{1} \times \frac{71}{4|2|} = 315$$

4 same 3 diff

 $4c_{3} \times \frac{71}{4|2|} = 840$

3 same 2 same 3 diff

 $3c_{2} \times \frac{71}{3|2|} = 1260$

2 same 3 diff

 $\frac{71}{3|} = 840$

2 same 3 diff

 $\frac{71}{2|2|} = 1260$

A 4515

Lo 7560+5880+9515

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EEEE VRGR.N

$$(C)$$

$$Ans = 300$$

000001101110

Ques 12

$$(366 - 266) + (364 - 267) + (368 - 268)$$

$$= 2.68 \times 10^{12}$$

gues 13

correction 3 different sizes

= 9

gues 14

(0-1)1 = 91 = 362880

Ques 15

(a) ABC4

=778320

(6)

1305 X390 ×

(0)

12CAX 40C-