Prebability-

1) - Total ways to choose 2 marchles from 15 - (136) - 105 probability that none is green = choose a from non- green mable = & Olues + 4 (Red) + 3 (Vilos) = 9 162 - 86 So, probability of at least one green 105 105 35 Probability that both marbles are either blue or yellow Total forekable cases · Choose 2 blus 1- (3) - 3 - 3 choose 2 yellow: (3/2)=1 - chouse 1 blue & Lyellow = 3.2-6 Toke 1 javostable = 3+1+6=10 Total possible = 156 = 105 Proposelly = 105 = 1/21 Non-blue marbles = 15-3=12 foro rable ways a choose of from 102 1242 495 Total ways = 1504 - 1385 publishity = 495/1365= 11/33-2 no No g arrangements Keeping the pair togethe 9/x0/- Total presengements 101 PHO = 91-21 - 2=1 Jeap year has 316 days -= 52 weeks + 2 exten days

for 53 dundays, Sunday must be one of the extra days => forosubse outcomes -

only (sol, Sun) Has 53 decidary and 52 Nonday.
So only I foudable lase: 0 /2

-10 wo, 100dd,

ways to choose I wen & 100d. 10 x10 = 100=

papergrid Date: / / (0 Total ways to choose 2 pose -20/2-190 num lk P- 100 -10 ways to choose Lyellow (34)-2 ways to dood a sud (4/2) = 6 detal forwable a 2x60/2 Total ways to chase 3 from 13 = 15(3=453 P-12/455 2 12/ 8 12 HSS HSS 8. Total ways to choose 3 = 10(3 = 120 Probability of no graduage = 6(3=20 Probability (at least one grad)=1-20-100 =5 Total pp1= TO(Slouples) · Total ways to choose 5 people from 10:-106 = 252 o Chanse & couples = from 5 56 - 10 - from Hemaining 6 people (10-4), choose-1 person (1)-6 U. Total ways with crackly & couples = 10-6=60 choose 3 lauples = 56 = 10 . Total ways with at least 2 Couples= 60+10-6=60+60=120 Probability = 120 20. Probability of not working = 1-0-2 -0-8 Punhobility none of the 4 tickets win = 0.8t 0.4093 So, pubobiling. 1-0-4096 2 0-5904

pur Date: / / Number Sollies. 1598-798:800 1) 23,28,38,53,73,98 798-398=400 398-198-200 28-23-5 198-7-100 38-28-10 -> =198-100-98 53-38=15 - 98-48-50 73-53-20 73+85=98 ars = 98 17,45,148,007, 1, 18331 17->45-17x2-+11=45 45×3+13=148 1483607 148 × 4+15=607 607×5+17=3035+17=8052 3. 5,366,655, 2,1049,1170 655-3162289 1170-1049=121 36/=192 289-17 Nept = 152 225 > 655+255-880 Fen 1049-880-169-13 ans = 880 4- 1598, 798, 388, 1982 48