Counting 1. Unusual 30'5 Subset: 464+462+462 = 1+4+6= 11 Subsets  $\frac{5!}{1!} + 4G_3\left(\frac{5!}{2!}\right) + 4G_2\left(\frac{5!}{3!}\right)$ = 120 + 4(60) + 6(20) 240+240 = 480 Strings 2.
13(2.462.462.49

3
2 out of 2 soits 440 ands 1ept =13! . 6.6.49 = 123,552 hands 3. 16 songs 7 couples 0:1605=4,368 1: 1505=3,003

9 5, 6,7,8 5 ways 4 7 23 3 : 54 500 SE F 8 +8 -