

1. A committee of 4 men and 6 women is to be selected from 7 men and 8 women. If there is a married couple among the 15 people, in how many ways can the committee be selected so that the couple are automatically in the committee?

Select one:

420 (ANS)

63

980

41

2. How many ways can 4 baseball players and 3 basketball players be selected from 12 baseball players and 9 basketball players?

Select one:

997,920

579

249,800

41,580 (ANS)

3. 12 jobseekers applied for 3 available vacant positions in a company. In how many ways can the job be offered among these applicants if a particular applicant must be employed?

Select one:

55 (ANS)

110

440

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220

4. In how many ways can 6 people be seated for group photographs if there are only 4 seats?

Select one:

720

360 (ANS)

120

30

5. Three sets of twins are to pose for photographs. How many photographs are possible if each set of the twins are to stand close to each other?

Select one:

720

360

48 (ANS)

12

6. How many ways can 3 cars and 4 trucks be selected from 8 cars and 11 trucks to be tested for a safety inspection?

Select one:

443,520

50,388

18,480 (ANS)

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7. 12 students are to pose for photographs after a social gathering at FCT. 4 students are from Lagos state, 3 are from Kano state and the remaining are from Kwara state. How many possible photographs can they take if students from the same state must stand close to one another?

Select one:

17,280

103,680 (ANS)

34,560

51,840

8. There are 7 boys and 5 girls in a youngstersâ€™ club. A committee of 3 boys and 2 girls is to be chosen. How many different possibilities are there?

Select one:

45

350 (ANS)

210

63

9. On the menu list of a restaurant, there are 4 vegetables, 3 salads and 2 types of bread. If a customer wants one vegetable, one salad and one bread, how many possible choices are there for him?

Select one:

48

36

12

10. In how many ways can a family of six be seated on a bench if the parents must sit at both ends?

Select one:

48 (ANS)

8

6

96

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