

25. On 6 seats arranged in a row, six committee members are to be seated in such a way that President and secretary always see together. In how many ways can it be done?

A.120   B.72   C.240   D.360

26. The number of ways in which a committee of 3 ladies and 4 gentlemen can be appointed from a meeting consisting of 8 ladies and 7 gentlemen, if Mrs. X refuses to serve in a committee if Mr. Y is a member is

A. 1540

B. 3240

C. none of these

D. 1960

27. How many parallelograms will be formed, if 7 parallel horizontal lines intersect 6 parallel vertical lines?

A. 276

B. 42

C. 294

D. 315

28. A college has 10 basketball players. A 5 member's team and a captain will be selected out of these 10 players. How many different selections can be made?

A. 1260

B. 210

C. 720

D. 4050

29. In how many ways can the letters of the word 'PENCIL' be arranged so that N is always next to E?

A.24   B.120   C.240   D. none

30. How many 4-digit numbers can be formed using the digits 0, 1, 2, 3, 4 without repetition?

A. 120   B. 72   C. 96   D. None

31. The no. of 4-digit even numbers that can be formed using 0,1,2,3,4,5,6 without repetition is

A. 120   B.300   C.420   D.20