September Sprint for CAT 2025

Class 30

Modern Math

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September Sprint Schedule

Date	Topic	Date	Topic	Date	Topic
01-Sep	Number System - 1	11-Sep	Games and Tournament	21-Sep	Algebra - 3
02-Sep	Arrangement	12-Sep	Odd One Out	22-Sep	Logical DI
03-Sep	Number System - 2	13-Sep	Chart Based DI - 3	23-Sep	Geometry - 1
04-Sep	Para Completion	14-Sep	Arithmetic - 4	24-Sep	Reading Comprehension - 3
05-Sep	Arithmetic - 1	15-Sep	Venn Diagram	25-Sep	Geometry - 2
06-Sep	Chart Based DI - 1	16-Sep	Reading Comprehension - 2	26-Sep	Quantitative Reasoning
07-Sep	Arithmetic - 2	17-Sep	Algebra - 1	27-Sep	Geometry - 3
08-Sep	Reading Comprehension - 1	18-Sep	Routes and Network	28-Sep	Parajumbles
09-Sep	Chart Based DI - 2	19-Sep	Algebra - 2	29-Sep	Misc. LR topics
10-Sep	Arithmetic - 3	20-Sep	Para Summary	30-Sep	Modern Maths

50 Day Streak for CAT 2025

Starting October 1, 2025

Daily 30 questions
10 VARC | 10 DILR | 10 QA

Answers on the next day

Challenge your friends

Elevate your score!

Follow @mbakaro for daily questions

Discuss solutions @MBAKaro

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Pause the video, solve the question and then look at the solution!

If the letters of the word RACHIT are arranged in all possible ways as listed in the dictionary, what is the rank of the word RACHIT?

A paper has two sections, section I and section II, each containing 6 questions. A candidate is required to answer 7 questions out of the 12 questions. She is not permitted to attempt more than 5 questions from either group. Find the number of different ways of doing questions.

A. 900
B. 1080
C. 780
D. 840

Using the digits 1, 2, 3, 4, 5, 6, and 7, a number of 4 different digits is formed. Find how many numbers are exactly divisible by 25?

In how many ways can a cricket team of 11 players be selected from 16 players, such that it includes 2 particular players – Smriti and Harmanpreet?

A. 364
B. 768
C. 1260
D. 2002

How many words can be formed using the letters of the word INTERMEDIATE such that the vowels and consonants appear at alternate positions?

A. 86400
B. 21600
C. 43200
D. 172800

There are 10 distinct books in a shelf of a library. In how many ways can a student pick 4 books such that he does not pick two consecutive books?

A. 35
B. 56
C. 63
D. 84

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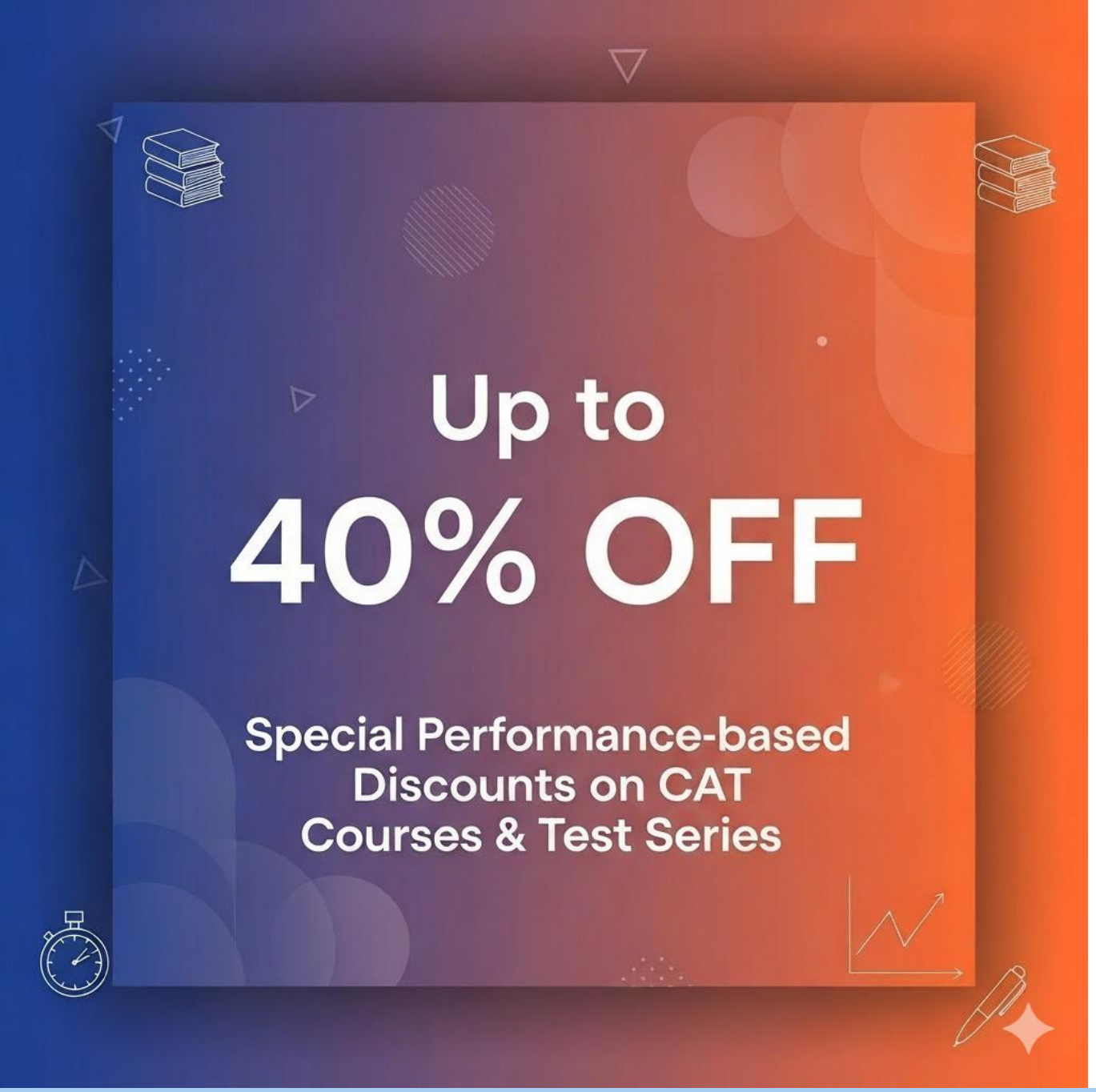
- Doubt session live classes
- In VA, grammar and vocab also covered
- In LR, OMET topics covered

Price: **15000/-**

Section-wise modules are also available



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In how many ways can 5 boys and 3 girls be seated in a row, such that all the girls do not sit together?

A. 37440
B. 36720
C. 36000
D. 35280

At a cabinet meeting, everyone shook hands exactly once with everyone else. Halfway through the meeting, the prime minister arrived and shook hands only with a few people. In all, there were 240 handshakes. With how many people did the prime minister shake hands?

A. 9
B. 13
C. 16
D. 18

In a Euro-American football competition involving some American teams and some European teams, every team had to play exactly one game with every other team. It was found that in 36 games both the teams were European teams and in 15 games both were American teams. The number of games in which one team was an American team and the other was a European team is

The number of ways in which we can choose a committee from four men and six women so that the committee includes at least two men and exactly twice as many women as men are

A. 94
B. 126
C. 128
D. 90

Find the number of positive integral solutions to the equation: a+b+c+d+e = 7

A. 15
B. 21
C. 28
D. 35

In how many ways can 27 sweets be distributed among 3 children such that each child gets an odd number of sweets?

A. 66
B. 72
C. 81
D. 91

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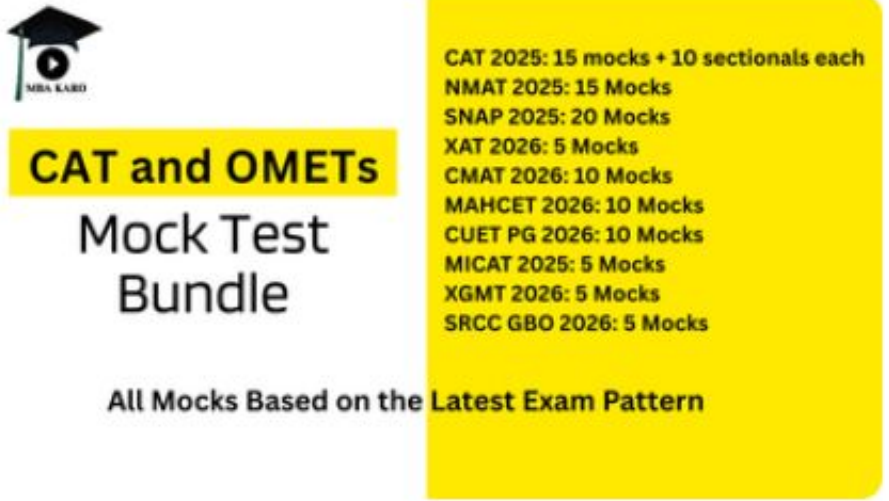
Expires On Nov 30, 2025

₹ 1,500

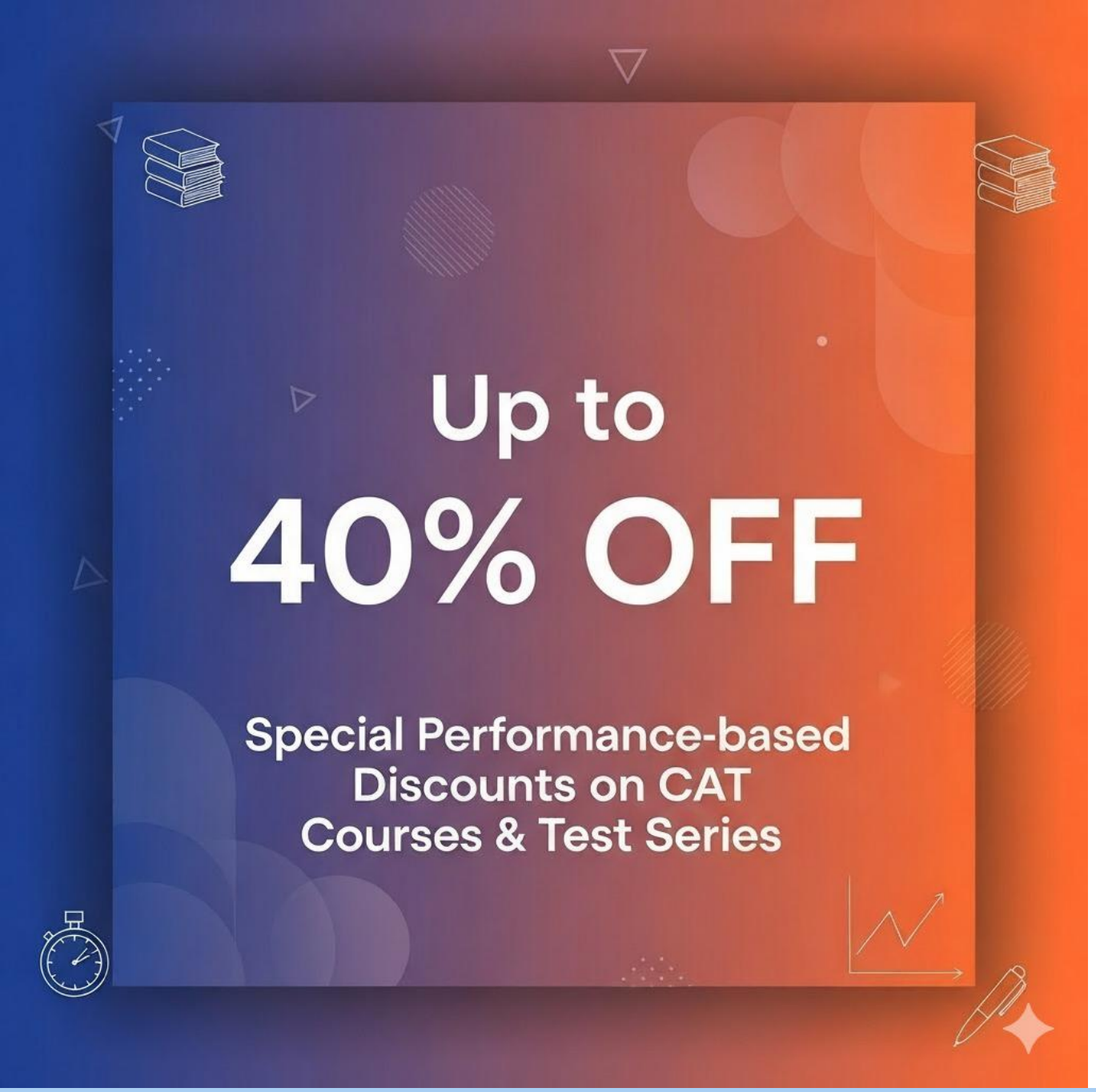


Expires On Apr 30, 2026

₹ 6,000

NMAT – 15
SNAP – 20
XAT – 10
CMAT – 10
MAHCET – 20
CUET PG – 10
MICAT – 5
XGMT – 5
SRCC GBO - 5

CAT and OMETs Mocks by MBA Karo



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How many ways can 4 men and 4 women be seated at a round table if they have to alternate the men and women?

A nursery kid has 5 notebooks to give out to her five classmates. Determine the number of ways such that at least one student gets their name tag.

A. 84
B. 76
C. 60
D. 44

A bag contains 7 red balls, 4 green balls, and 5 yellow balls. What is the probability that 3 balls drawn at random are either green or yellow?

A. 3/140
B. 1/60
C. 9/280
D. 1/40

A box contains 12 cards with 1 to 12 consecutive numbers. If we take 5 cards at random without replacement from this box, what is the probability that the median of the numbers selected is 5?

A. 7/44
B. 25/88
C. 5/28
D. 1/6

There are 2 brothers A and B. The Probability that A will pass in exam is 3/5 and that B will pass in exam is 5/8. What will be the probability that only one will pass the exam?

A. 12/43
B. 19/40
C. 14/33
D. 21/40

A man is known to speak truth 2 out of 3 times. He throws a die and reports that number obtained is a four. Find the probability that the number obtained is actually a four.

A. 3/8
B. 1/4
C. 2/9
D. 2/7

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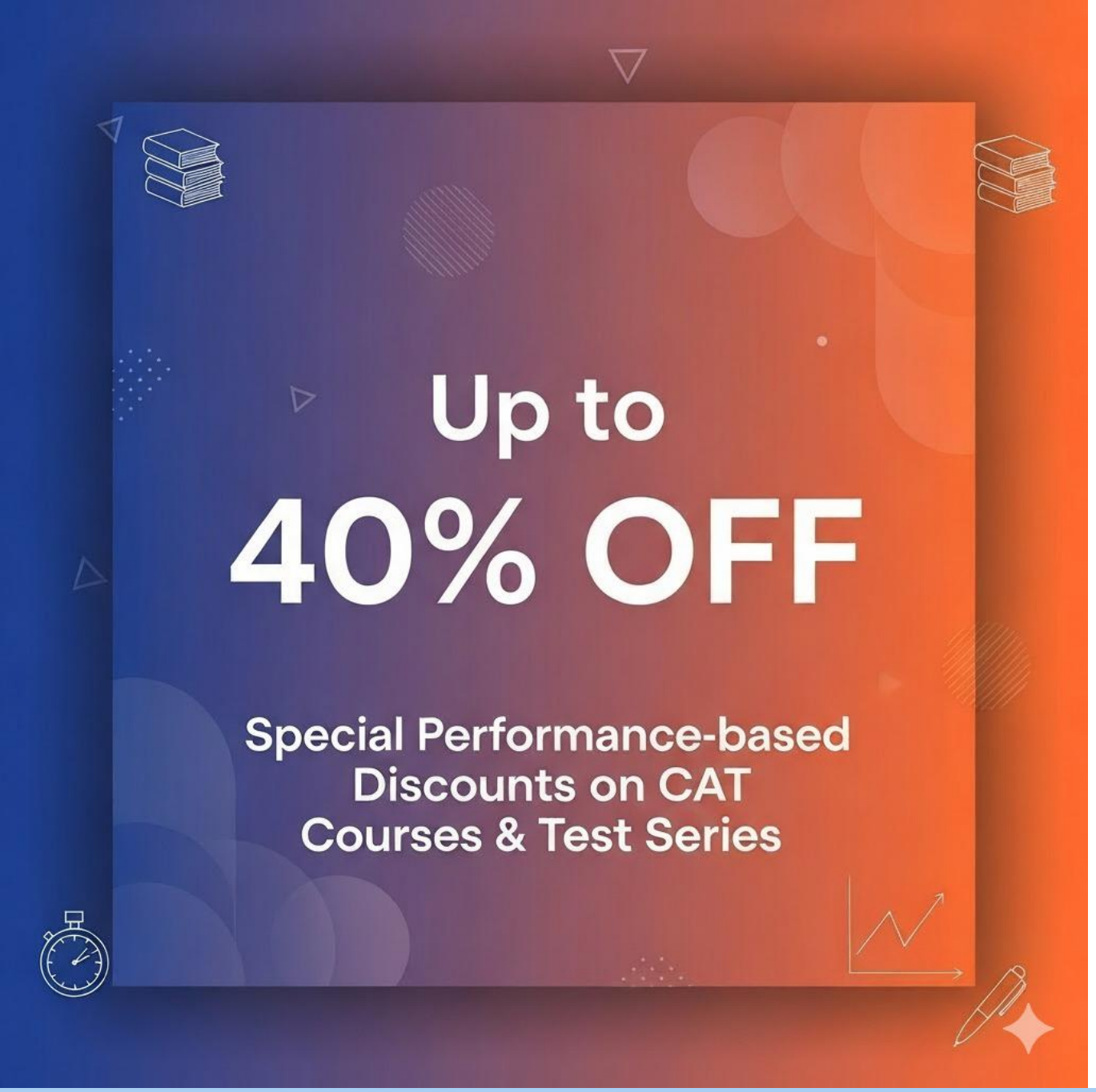

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For a test match, India has to select 6 batsmen from 8 present in the squad. If Gill is chosen, then Rishabh must be chosen. In how many ways can selections be made?

How many automobile license plates can be made if each plate contains two different letters followed by three different digits?
A. 650000 B. 327600 C. 468000 D. 676000

Find the number of non-negative integral solutions to the equation: a+b+c+d = 8
A. 210 B. 165 C. 126 D. 84

A bucket contains 2 red balls, 4 blue balls, and 6 white balls. Two balls are drawn at random. What is the probability that they are not of the same color?
A. 5/11 B. 14/33 C. 2/3 D. 6/11

Rakesh – It will rain on Sunday.
Rajan – It won't rain on Sunday.
Given that Rakesh and Rajan are 70% and 60% correct in predicting the weather respectively, what is the probability that it will rain on Sunday?
A. 13/20 B. 7/25 C. 14/23 D. 18/25

Answer in Comments

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