



September Sprint for CAT 2025

Class 14

Average + Time and Work



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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





Preparing for MBA exams for 2025-26?



- Recorded concept videos
- Solved questions – basic to advanced
- Topic wise Practice sheets
- Doubt Resolution Group
- Doubt session live classes
- In VA, grammar and vocab also covered
- In LR, OMET topics covered

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CAT 2025 Mock Tests

15 Full- Length Mocks
10 VARC Sectionals (Text Solutions)
10 DILR Sectionals (Video Solutions)
10 QA Sectionals (Video Solutions)



⌚ Expires On Nov 30, 2025

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All Mocks Based on the Latest Exam Pattern

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CAT 2025: 15 mocks + 10 sectionals each
NMAT 2025: 15 Mocks
SNAP 2025: 20 Mocks
XAT 2026: 5 Mocks
CMAT 2026: 10 Mocks
MAHCET 2026: 10 Mocks
CUET PG 2026: 10 Mocks
MICAT 2025: 5 Mocks
XGMT 2026: 5 Mocks
SRCC GBO 2026: 5 Mocks

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CAT and OMETs Mocks by MBA Karo



The average rainfall for a week is 54 cm while average rainfall except Thursday and Friday is 42 cm. The rainfall on Friday is 40% more than the rainfall on Thursday. Find the rainfall on Thursday.

- A. 60 cm
- B. 70 cm
- C. 75 cm
- D. 80 cm



The average number of toys sold by P, Q, R, S, and T is 79. R sold 58.33% more toys than P, Q sold 18 fewer toys than R, S sold 28 more toys than P, and T sold 25% more toys than P. Find the difference between the number of toys Q and P sold.



A class consists of 20 boys and 30 girls. In the mid-semester examination, the average score of the girls was 5 higher than that of the boys. In the final exam, however, the average score of the girls dropped by 3 while the average score of the entire class increased by 2. The increase in the average score of the boys is:

- A. 4.5
- B. 6
- C. 9.5
- D. 10



The average weight of 47 cotton balls is 4 gm. If the weight of the bag (in which the balls are kept) is included, the calculated average weight per ball increases by 0.3 gm. What is the weight of the bag?

- A. 14.4 gm
- B. 16.0 gm
- C. 17.6 gm
- D. 18.4 gm



A batsman makes a score of 270 runs in the 87th inning and thus increases his average by a certain number of runs that is a whole number. Find the possible values of the new average.

- A. 12
- B. 98
- C. 184
- D. All of these



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The average weight of 'b' boys in a group is 63 kg. A boy whose weight is 147 kg joins the group such that the average weight of the group becomes a prime number between 65 and 91. Find the value of b.



Dr. Patel measured the heartbeat of a patient and entered the result in a spreadsheet. He calculated the average after every reading and noticed that after every reading the average was an integer. If the value of readings (in ascending order) were 71, 76, 80, 82, and 91, what was the 4th reading?

- A. 71
- B. 91
- C. 82
- D. 80



A and B together can complete a task in 20 days. B and C together can complete the same task in 30 days. A and C together can complete the same task in 40 days. By what percentage should A increase his efficiency to become as efficient as B?

- A. 25%
- B. 40%
- C. 28.57%
- D. 33.33%



A job can be completed by A, B, and C in 10, 12, and 15 hours respectively. All three started the job together but A left after working for 2 hours. B left 3 hours before the work was completed. For how many hours were exactly two people working?

- A. 2.5 hours
- B. 3 hours
- C. 1.5 hours
- D. 2 hours



21 men can complete building an entire wall in 18 days. However, to start with only 1 man starts working and each successive day, one more man joins working. In how many days will the wall be completely built?



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A man can do as much work in 2 days as a woman can do in 3 days. And a woman can do as much work in 2 days as a child can do in 3 days. If a woman alone takes 19 days to complete a work, in how many days can the work be completed by a team of a man, a woman, and a child?

- A. 5 days
- B. 6 days
- C. 8 days
- D. 10 days



Working together, A and B can complete 25% of a work in 2.4 days. If they work on alternate days starting from B, they can complete 75% of the work in 14.5 days. Find the number of days taken by A to complete the entire work alone.



A and B working together can finish a job in T days. If A works alone and completes the job, he will take $T + 12$ days. If B works alone and completes the same job, he will take $T + 27$ days. What is the value of T ?



Pipe A takes 50% more time than pipe B to fill a tank. Pipes A and B together take half the time to fill the tank as the time is taken by pipe C alone to fill the tank. If pipes A, B, and C together can fill the tank in 16 minutes, what is the time taken by pipe B alone to fill the tank?

- A. 30 minutes
- B. 40 minutes
- C. 50 minutes
- D. 60 minutes



Two pipes which take 4.5 and 6 hours to fill a tank completely were opened simultaneously. After 90 minutes, the power goes off. A third pipe which runs without electricity and takes 18 hours to fill the tank is opened now. How long will it take to fill the remaining tank?

- A. 7.5 hours
- B. 9 hours
- C. 8 hours
- D. 6 hours



7 inlet pipes of type A working together can fill a tank in 15 min, 3 inlet pipes of type B together can fill the same tank in 14 min and 4 inlet pipes of type C can fill the same tank in 21 min. 3 groups, containing 5 pipes of types A, 6 pipes of type B and 14 pipes of types C, are formed. If each group is opened alternatively for 1 min, find the time taken to fill the tank completely.

- A. $8 \frac{5}{6}$ min
- B. $9 \frac{6}{7}$ min
- C. $9 \frac{5}{7}$ min
- D. $8 \frac{4}{7}$ min



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The average monthly expenditure of Rakesh for the first four months is Rs 27500, for the next three months is Rs 29400, and for the last five months Rs 31300. If he saves Rs 53300 during the year, find his average monthly income.
A. Rs. 33000 B. Rs. 34000 C. Rs. 35000 D. Rs. 36000

The average age of a group of persons going for a picnic is 16.75 years. 20 new persons with an average age of 13.25 years join the group on the spot due to which the average of the group becomes 15 years. Find the number of persons initially going for the picnic.

The ratio of the number of days taken by A and B to finish a work working individually is 4:3. If A works at twice his efficiency and B works at half his efficiency, the work gets over in 14 days. Find the number of days taken by them to finish the work working at their regular efficiencies.
A. 12 days B. 14 days C. 16 days D. 18 days

A pipe can fill a tank in 40 hours and a waste pipe empties the tank at 9 liters per minute. If both the pipes are open, then the tank is filled in 50 hours. Find the capacity of the tank (in liters).

Answer in Comments



Thank You