

CLAT Community

daily
QT

SECTIONAL TEST

134

DAYS TO GO FOR
CLAT 2027



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OUR RANKERS

1 in every 4 of CLAT Community's students
are now placed in Top 5 NLU's.



SAHER GOLE



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SUHIT KENDURKAR



RIYA CHAUHAN



SHEIKH EHSAN KHALEELULLAH



HRISHIT PODDAR



ROHAN YADAV



TEJAS ROY



ANIRUDDH BAJAJ



KABIR WADHWANI



CANCHI SISTLA AKSHARA



SHIVAM TRIPATHI



HARDIK GAUTAM



MANYA BHASKAR



NAMASHRITA GOPINATH



RONIL DHASAL



VEDA RAO



SAMANDAR SINGH



GANJI HAINDAVI



SAHISHNA



PRANAV. S

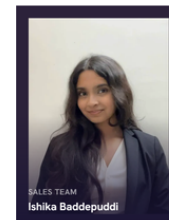
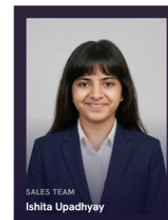
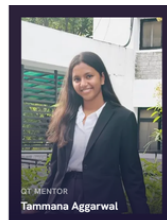
AND
MANY
MORE.

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OUR COURSES



OUR MENTORS



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MENTORS' NOTE

Good morning everyone,

If you're reading this, you're already doing something that thousands of CLAT aspirants never do—you've shown up today. That might sound like a small thing, but over the next few months you'll realise that success in CLAT is rarely decided by one brilliant mock or one 12-hour study session. It's decided by the hundreds of ordinary days where you choose to sit down and study even when you don't feel like it.

The entire CLAT Community team is rooting for you. Whenever you're stuck, ask doubts, discuss questions, and make use of the people around you. You don't have to prepare alone. We hope today's material helps you take one more step towards your dream.

Now stop reading this note and get to work. Your future self will thank you for the effort you put in today.

All the best.

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QUANTITATIVE APTITUDE

Passage I

Lakeside Fitness Club maintains detailed records of its members' attendance, workout durations, and age groups to plan its class schedules and trainer allocations. Every week, the front desk logs the number of visits per member and the average time spent in each session, while the club's data team studies how new memberships or occasional dropouts shift these figures. Because the club offers a mix of morning and evening batches with different member counts, comparing raw totals across batches can be misleading, so the team relies on average figures to make fair comparisons and staffing decisions. Some calculations also involve adjusting an existing average when a new member joins or an existing member's data is corrected. Study the following details about this week's attendance and member records, then answer the questions below.

1. The average attendance at the morning batch for 5 days was 42 members per day. Find the total attendance over the 5 days.
(A) 200
(B) 205
(C) 210
(D) 215
2. The average age of 8 members in a fitness class is 30 years. If a new member aged 39 joins the class, find the new average age of all 9 members.
(A) 30
(B) 31
(C) 32
(D) 33
3. The average workout duration of 10 members on Monday was 45 minutes. On Tuesday, the same 10 members' average workout duration increased to 48 minutes. Find the total increase in workout minutes across all 10 members from Monday to Tuesday.
(A) 20 minutes
(B) 25 minutes

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(C) 30 minutes

(D) 35 minutes

4. The average of 6 daily visitor counts is 50. Due to a data correction, one of the counts is replaced by 80, after which the new average becomes 55. Find the value of the count that was replaced.

(A) 40

(B) 45

(C) 50

(D) 55

5. The average age of 12 members in the morning batch is 28 years, and the average age of 8 members in the evening batch is 38 years. Find the average age of all 20 members combined.

(A) 30

(B) 31

(C) 32

(D) 33

6. The average attendance over 7 days was 40 members per day. If the attendance on the first day was 55 members, find the average attendance for the remaining 6 days.

(A) 36

(B) 37

(C) 37.5

(D) 38

Passage II

QuickRide, a cab aggregator operating across the city, monitors the speed, distance, and duration of every trip to calculate fares and estimate arrival times for its passengers. Traffic conditions vary through the day, so drivers often travel at different average speeds for different legs of a journey, and the app recalculates the expected arrival time whenever a driver changes route or speed mid-trip. The company also studies how two vehicles travelling towards or away from each other affect pickup and drop-off timings when coordinating shared rides. Because delays or detours can significantly change a trip's average speed for the

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full route, dispatchers routinely calculate combined speeds for multi-leg journeys and estimate when two moving vehicles will meet or cross paths. Study the following details about today's trips, then answer the questions below.

7. A cab travels 60 km at a speed of 40 km/h and then 90 km at a speed of 60 km/h. Find the total time taken for the trip.

- (A) 2.5 hours
- (B) 3 hours
- (C) 3.5 hours
- (D) 4 hours

8. A cab covers a certain distance at a speed of 50 km/h and returns the same distance at a speed of 30 km/h. Find the average speed for the entire round trip.

- (A) 35 km/h
- (B) 36 km/h
- (C) 37.5 km/h
- (D) 40 km/h

9. Two cabs start from the same point at the same time and travel in opposite directions, one at 45 km/h and the other at 55 km/h. Find the distance between them after 2 hours.

- (A) 180 km
- (B) 190 km
- (C) 200 km
- (D) 210 km

10. Two cabs start simultaneously from two points 300 km apart and travel towards each other at speeds of 55 km/h and 65 km/h respectively. Find the time after which they will meet.

- (A) 2 hours
- (B) 2.25 hours
- (C) 2.5 hours
- (D) 2.75 hours

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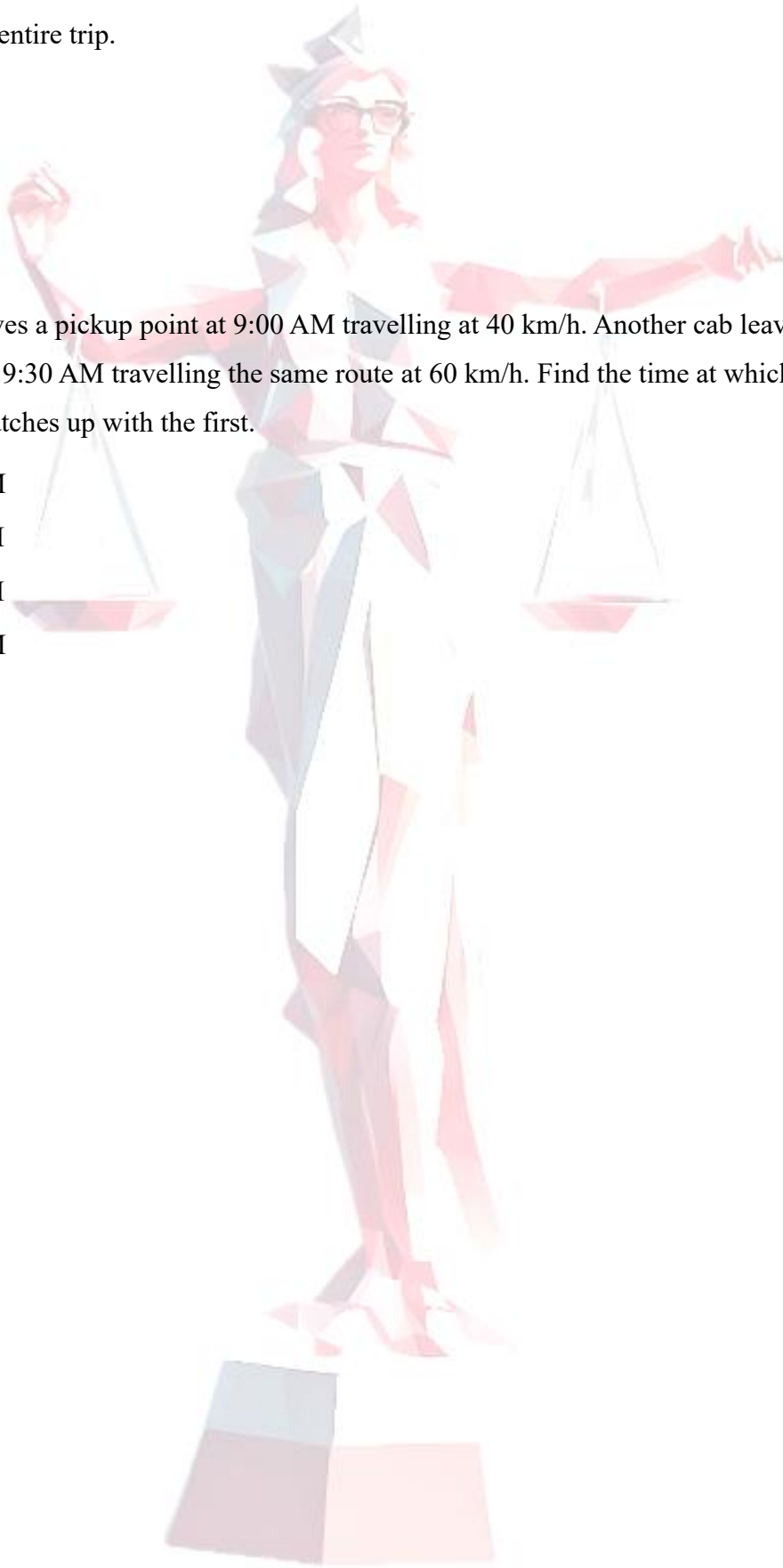
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11. A cab travels for 2 hours at 40 km/h and then for 3 hours at 60 km/h. Find the average speed for the entire trip.

- (A) 48 km/h
- (B) 50 km/h
- (C) 52 km/h
- (D) 54 km/h

12. A cab leaves a pickup point at 9:00 AM travelling at 40 km/h. Another cab leaves the same point at 9:30 AM travelling the same route at 60 km/h. Find the time at which the second cab catches up with the first.

- (A) 10:00 AM
- (B) 10:15 AM
- (C) 10:30 AM
- (D) 10:45 AM



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ANSWER KEY**Q1.**

Total attendance = average $\times$ number of days = $42 \times 5 = 210$.

Answer $\rightarrow$ (C) 210

Q2.

Total age of 8 members = $8 \times 30 = 240$ years.

After the new member joins, total age = $240 + 39 = 279$ years, over 9 members.

New average = $279/9 = 31$ years.

Answer $\rightarrow$ (B) 31

Q3.

Increase in average = $48 - 45 = 3$ minutes.

Total increase across 10 members = $3 \times 10 = 30$ minutes.

Answer $\rightarrow$ (C) 30 minutes

Q4.

Original total of 6 counts = $6 \times 50 = 300$. New total after correction = $6 \times 55 = 330$.

Increase in total = $330 - 300 = 30$, and this increase equals $(80 - \text{replaced value})$.

So $80 - \text{replaced value} = 30$, giving replaced value = 50.

Answer $\rightarrow$ (C) 50

Q5.

Total age of morning batch = $12 \times 28 = 336$. Total age of evening batch = $8 \times 38 = 304$.

Combined total age = $336 + 304 = 640$, over 20 members.

Combined average = $640/20 = 32$ years.

Answer $\rightarrow$ (C) 32

Q6.

Total attendance over 7 days = $7 \times 40 = 280$.

Attendance for remaining 6 days = $280 - 55 = 225$.

Average for remaining 6 days = $225/6 = 37.5$.

Answer $\rightarrow$ (C) 37.5

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Q7.

Time for first leg = $60/40 = 1.5$ hours. Time for second leg = $90/60 = 1.5$ hours.

Total time = $1.5 + 1.5 = 3$ hours.

Answer → (B) 3 hours

Q8.

For equal distances at two speeds, average speed = $(2 \times s_1 \times s_2)/(s_1 + s_2)$.

Average speed = $(2 \times 50 \times 30)/(50+30) = 3000/80 = 37.5$ km/h.

Answer → (C) 37.5 km/h

Q9.

Since the cabs move in opposite directions, their speeds add up: $45 + 55 = 100$ km/h.

Distance after 2 hours = $100 \times 2 = 200$ km.

Answer → (C) 200 km

Q10.

Since the cabs move towards each other, relative speed = $55 + 65 = 120$ km/h.

Time to meet = total distance/relative speed = $300/120 = 2.5$ hours.

Answer → (C) 2.5 hours

Q11.

Total distance = $(2 \times 40) + (3 \times 60) = 80 + 180 = 260$ km.

Total time = $2 + 3 = 5$ hours.

Average speed = $260/5 = 52$ km/h.

Answer → (C) 52 km/h

Q12.

By 9:30 AM, the first cab has already travelled $40 \times 0.5 = 20$ km (a 30-minute head start).

Relative speed of the second cab with respect to the first = $60 - 40 = 20$ km/h.

Time for the second cab to close a 20 km gap = $20/20 = 1$ hour after 9:30 AM, i.e., at 10:30 AM.

Answer → (C) 10:30 AM

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