

CLAT Community

daily
QT

SECTIONAL TEST

131

DAYS TO GO FOR
CLAT 2027



clatcommunity.com



[CLAT Community](#)



clatcommunity@gmail.com



[CLAT Community](#)



(+91) 7702 832 727



[CLAT Community](#)

OUR RANKERS

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



SAHER GOLE



PARTHIVA SUSHANTH



MIHIKA AGGARWAL



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

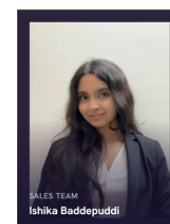
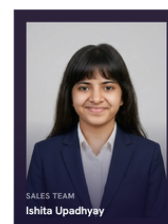
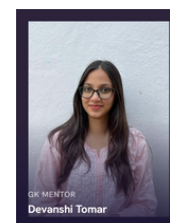
AND
MANY
MORE.

clat community

OUR COURSES



OUR MENTORS



clat community

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.

clat community

QUANTITATIVE APTITUDE

Passage I

Riverside Public School organises its annual fest every year, allocating the total budget among the cultural, sports, and technology committees according to ratios fixed by the student council based on the scale of each committee's events. Class strengths across different sections also vary, and the ratio of boys to girls in each section affects how team events and competitions are grouped. Because the fest features events with substantial cash prizes, the organising committee divides the total prize money among winning teams according to pre-decided ratios tied to the difficulty and popularity of each event. Any change in a committee's scope or an event's prize pool typically requires recalculating these ratios before the fest begins. Study the following details about this year's fest budget, class strengths, and prize distribution, then answer the questions below.

1. The total fest budget of ₹90,000 is divided among the cultural, sports, and technology committees in the ratio 3:2:4. Find the amount allocated to the technology committee.

- (A) ₹35,000
- (B) ₹38,000
- (C) ₹40,000
- (D) ₹42,000

2. In a class of 42 students, the ratio of boys to girls is 4:3. Find the number of girls in the class.

- (A) 16
- (B) 18
- (C) 20
- (D) 22

3. Prize money of ₹75,000 for the dance competition is divided among the first, second, and third place teams in the ratio 5:3:2. Find the difference between the first and third prize amounts.

- (A) ₹18,000

Also, find us on Discord: - <https://discord.gg/9kFymfz7qN>

Telegram: - https://t.me/CLAT_Community and Instagram: - https://www.instagram.com/clat_community/

(B) ₹20,000

(C) ₹22,500

(D) ₹25,000

4. The ratio of boys to girls in a section is 5:4. If 6 more girls join the section, the ratio becomes 5:6. Find the original number of boys in the section.

(A) 10

(B) 12

(C) 15

(D) 18

5. The ratio of cultural to sports committee budgets is 3:2, and the ratio of sports to technology committee budgets is 4:5. Find the ratio of cultural to technology committee budgets.

(A) 3:5

(B) 5:6

(C) 6:5

(D) 4:5

6. Find the third proportional to 8 and 12.

(A) 15

(B) 16

(C) 18

(D) 20

Passage II

Oakwood Boarding School conducts an annual health check-up for its students, recording each student's weight to monitor growth trends across different age groups. The school nurse calculates the average weight for each class section and updates the figures whenever a student transfers in or out, or when a student's earlier recorded weight is corrected after re-

Also, find us on Discord: - <https://discord.gg/9kFymfz7qN>

Telegram: - https://t.me/CLAT_Community and Instagram: - https://www.instagram.com/clat_community/

measurement. Because sections have different numbers of students, the nurse also computes combined averages when comparing groups of different sizes, and works out how replacing one student with another affects the section's average weight. Some reports also compare a student's weight against the class average to flag significant deviations. Study the following details about this year's health check-up records, then answer the questions below.

7. The average weight of 30 students in a class is 42 kg. Find the total weight of all the students in the class.

- (A) 1,200 kg
- (B) 1,230 kg
- (C) 1,260 kg
- (D) 1,290 kg

8. The average weight of 24 students is 40 kg. A new student joins the class, and the average weight of all 25 students becomes 41 kg. Find the weight of the new student.

- (A) 55 kg
- (B) 60 kg
- (C) 65 kg
- (D) 70 kg

9. In a class of 20 students, one student weighing 32 kg is replaced by a new student, and as a result the average weight of the class increases by 2 kg. Find the weight of the new student.

- (A) 62 kg
- (B) 68 kg
- (C) 72 kg
- (D) 76 kg

10. Section A has 20 students with an average weight of 38 kg, and Section B has 30 students with an average weight of 43 kg. Find the average weight of all 50 students combined.

- (A) 40 kg

Also, find us on Discord: - <https://discord.gg/9kFymfz7qN>

Telegram: - https://t.me/CLAT_Community and Instagram: - https://www.instagram.com/clat_community/

(B) 41 kg

(C) 42 kg

(D) 43 kg

11. The average weight of 15 students in a class is 45 kg. If the weight of one particular student, currently recorded as 50 kg, is corrected to 65 kg, find the new average weight of the class.

(A) 45.5 kg

(B) 46 kg

(C) 46.5 kg

(D) 47 kg

12. The average weight of 25 students, including a student named Aakash who weighs 58 kg, is 40 kg. Find the average weight of the remaining 24 students after excluding Aakash.

(A) 38.5 kg

(B) 39 kg

(C) 39.25 kg

(D) 39.5 kg

Also, find us on Discord: - <https://discord.gg/9kFymfz7qN>

Telegram: - https://t.me/CLAT_Community and Instagram: - https://www.instagram.com/clat_community/

ANSWER KEY**Q1.**

Total ratio parts = $3+2+4 = 9$.

Technology committee's share = $(4/9) \times ₹90,000 = ₹40,000$.

Answer → (C) ₹40,000

Q2.

Total ratio parts = $4+3 = 7$.

Number of girls = $(3/7) \times 42 = 18$.

Answer → (B) 18

Q3.

Total ratio parts = $5+3+2 = 10$, so each part = $₹75,000/10 = ₹7,500$.

First prize = $5 \times ₹7,500 = ₹37,500$. Third prize = $2 \times ₹7,500 = ₹15,000$.

Difference = $₹37,500 - ₹15,000 = ₹22,500$.

Answer → (C) ₹22,500

Q4.

Let the number of boys = $5x$ and girls = $4x$.

After 6 more girls join: $(4x + 6)/5x = 6/5$.

Cross-multiplying: $5(4x + 6) = 6 \times 5x \rightarrow 20x + 30 = 30x \rightarrow 10x = 30 \rightarrow x = 3$.

Number of boys = $5x = 15$.

Answer → (C) 15

Q5.

Cultural:Sports = 3:2. Scaling so the 'sports' term matches the next ratio's first term (4): 3:2 = 6:4.

Now Cultural:Sports:Technology = 6:4:5, so Cultural:Technology = 6:5.

Answer → (C) 6:5

Also, find us on Discord: - <https://discord.gg/9kFymfz7qN>

Telegram: - https://t.me/CLAT_Community and Instagram: - https://www.instagram.com/clat_community/

Q6.

For a third proportional to a and b, we solve $a:b = b:x$, i.e., $x = b^2/a$.

$$x = 12^2/8 = 144/8 = 18.$$

Answer → (C) 18

Q7.

Total weight = average × number of students = $42 \times 30 = 1,260$ kg.

Answer → (C) 1,260 kg

Q8.

Total weight of 24 students = $24 \times 40 = 960$ kg.

Total weight of 25 students (new average 41 kg) = $25 \times 41 = 1,025$ kg.

Weight of new student = $1,025 - 960 = 65$ kg.

Answer → (C) 65 kg

Q9.

Total increase in weight = increase in average × number of students = $2 \times 20 = 40$ kg.

Weight of new student = weight of replaced student + total increase = $32 + 40 = 72$ kg.

Answer → (C) 72 kg

Q10.

Total weight of Section A = $20 \times 38 = 760$ kg. Total weight of Section B = $30 \times 43 = 1,290$ kg.

Combined total weight = $760 + 1,290 = 2,050$ kg, over 50 students.

Combined average = $2,050/50 = 41$ kg.

Answer → (B) 41 kg

Q11.

Original total weight = $15 \times 45 = 675$ kg.

Correction adds $(65 - 50) = 15$ kg to the total, giving a new total of $675 + 15 = 690$ kg.

Also, find us on Discord: - <https://discord.gg/9kFymfz7qN>

Telegram: - https://t.me/CLAT_Community and Instagram: - https://www.instagram.com/clat_community/

New average = $690/15 = 46$ kg.

Answer → (B) 46 kg

Q12.

Total weight of 25 students = $25 \times 40 = 1,000$ kg.

Excluding Aakash, remaining total weight = $1,000 - 58 = 942$ kg, over 24 students.

Remaining average = $942/24 = 39.25$ kg.

Answer → (C) 39.25 kg



Also, find us on Discord: - <https://discord.gg/9kFymfz7qN>

Telegram: - https://t.me/CLAT_Community and Instagram: - https://www.instagram.com/clat_community/



CLAT COMMUNITY

*WHERE ACHIEVERS HELP
YOU ACHIEVE!*



clatcommunity.com



[CLAT Community](https://t.me/CLAT_Community)



clatcommunity@gmail.com



[CLAT Community](https://discord.gg/CLAT_Community)



(+91) 7702 832 727



[CLAT Community](https://www.instagram.com/CLAT_Community)