

Book

Any

Chapterwise previous  
year Question Bank

Reasoning Ki Goli  
SSC & Railway



**gradeup**

Sahi Prep Hai Toh Life Set Hai

Q2

Ranking & Part 1  
Comparison

**"All progress takes place outside the comfort zone."**

**- Michael John Bobak**

X R > S

> <

Q. Ram is taller than Shyam. Rahim is taller than Ram. Karim is taller than Shokat but smaller than Shyam. Who is the tallest?

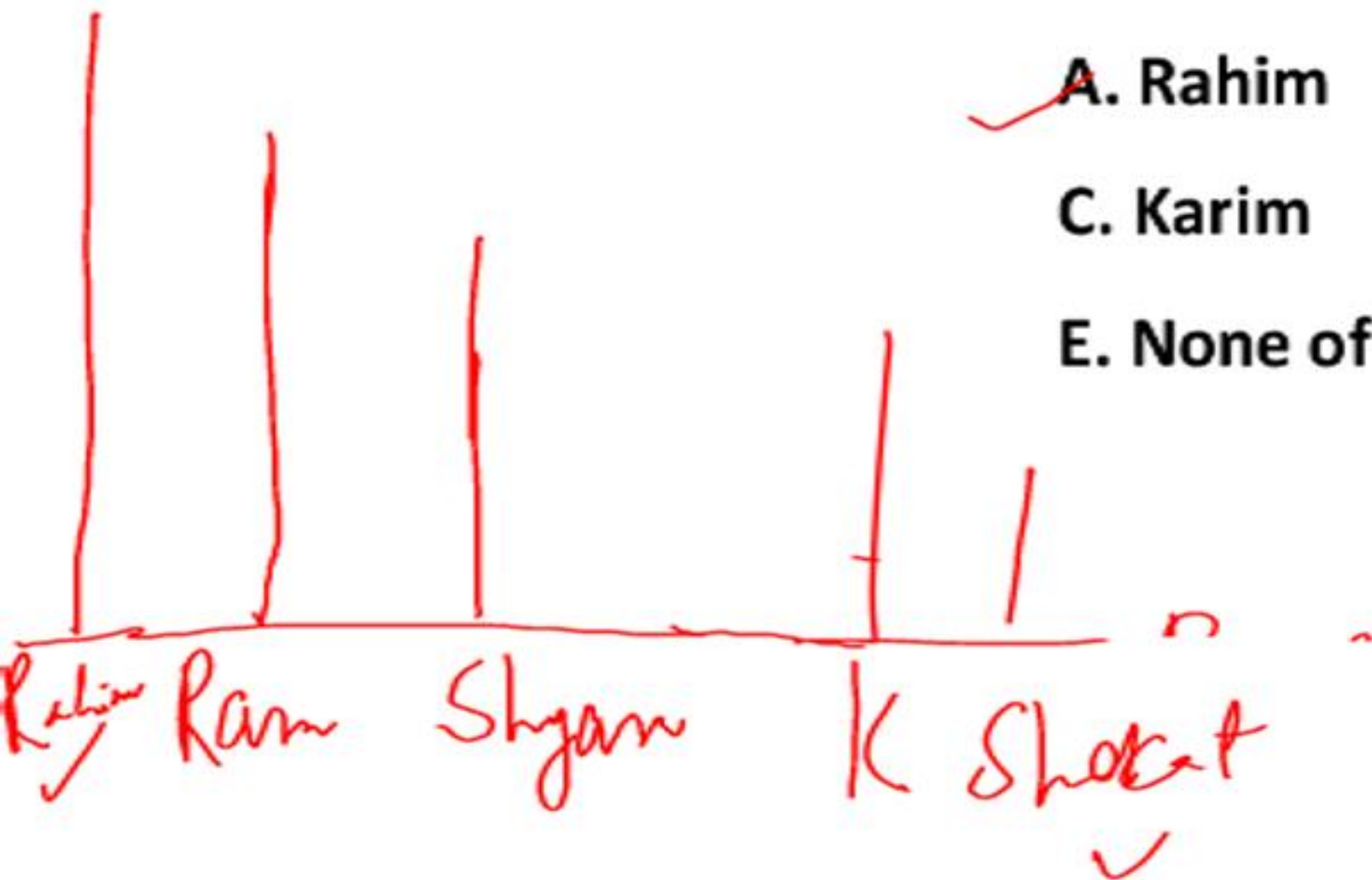
☒ A. Rahim

B. Ram

C. Karim

D. Shyam

E. None of these





**Q. P, Q, R, S and T are standing in a line. P is taller than S but shorter than Q. T is shorter than S but taller than R. Who is the second tallest of them all ?**

**A. T**

**B. S**

**C. R**

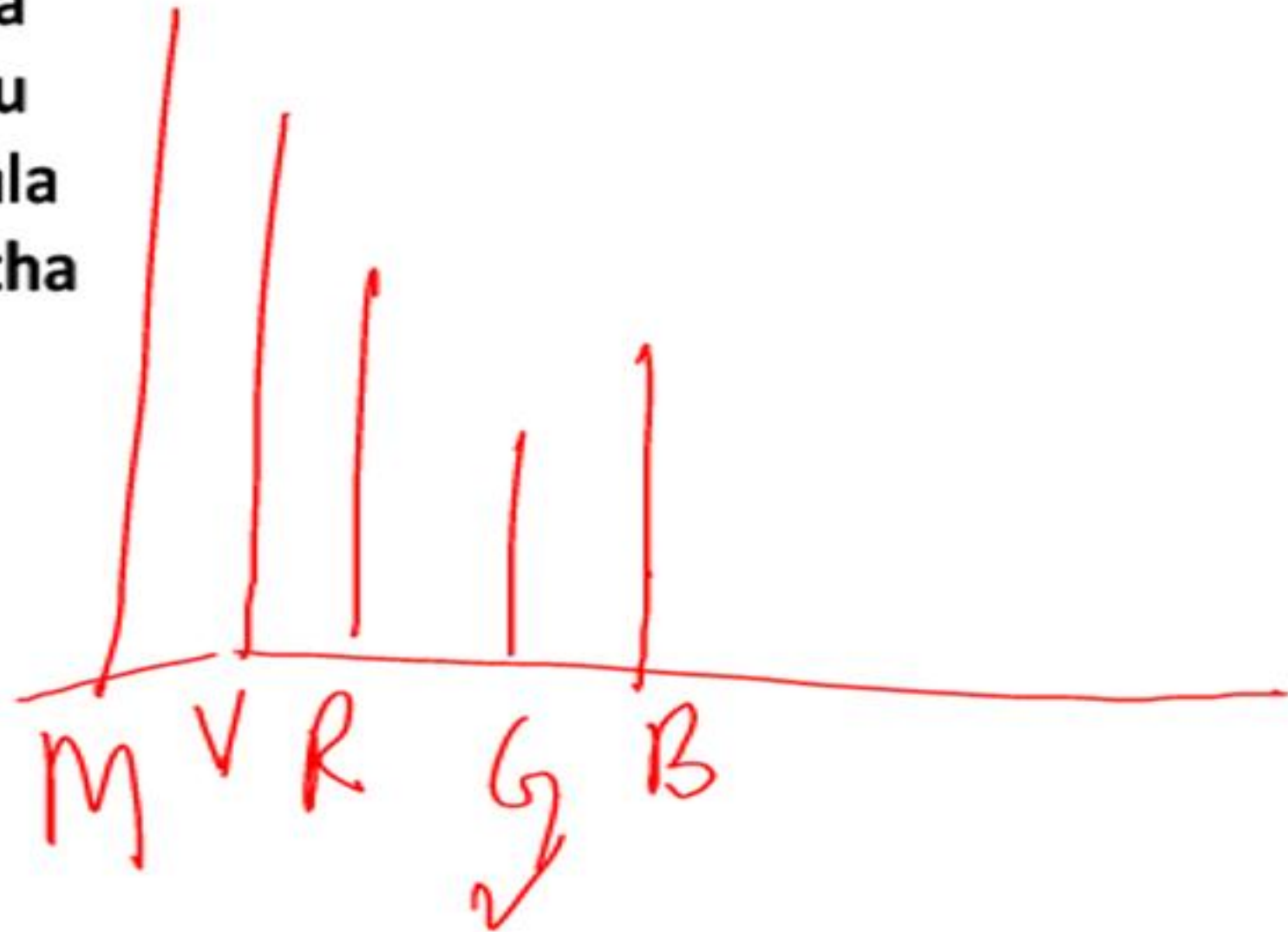
**D. P**





Q. Rama is taller than Geetha. Vimala is taller than Rama but shorter than Meenu. Bindu is taller than Geetha but shorter than Rama. Who among the given people is the shortest?

- A. Rama
- B. Bindu
- C. Vimala
- ☒ D. Geetha



23

N



Right

□ The Process of determining the position or place of a person or a thing on the basis of comparison or relative position of other person or thing is called Ranking.

Types of Questions

- ✓ Direct Ranking (Forward/Backward)
- ✓ Interchange/Exchange
- ✓ Total Maximum & Total Minimum

Points to remember:

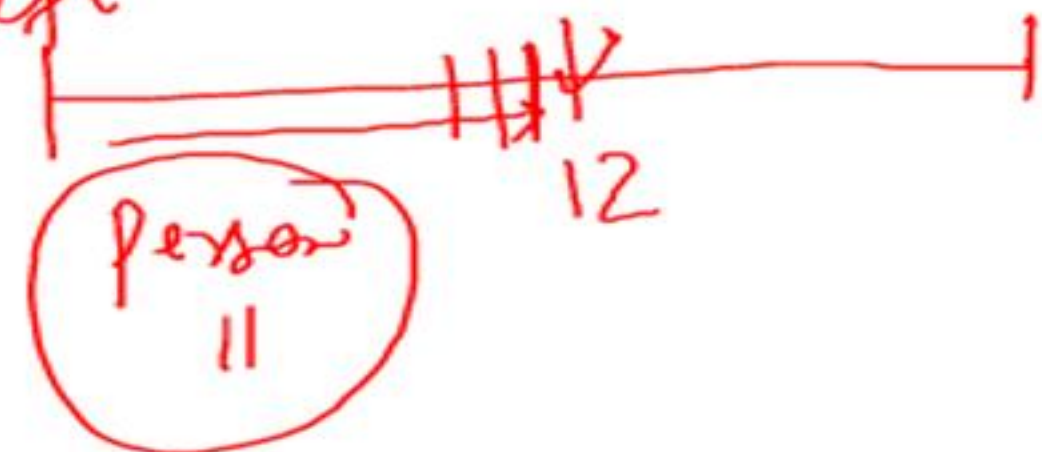
- ✓ Rank-1=Person
- ✓ Person+1=Rank

Left

Left

H

Right

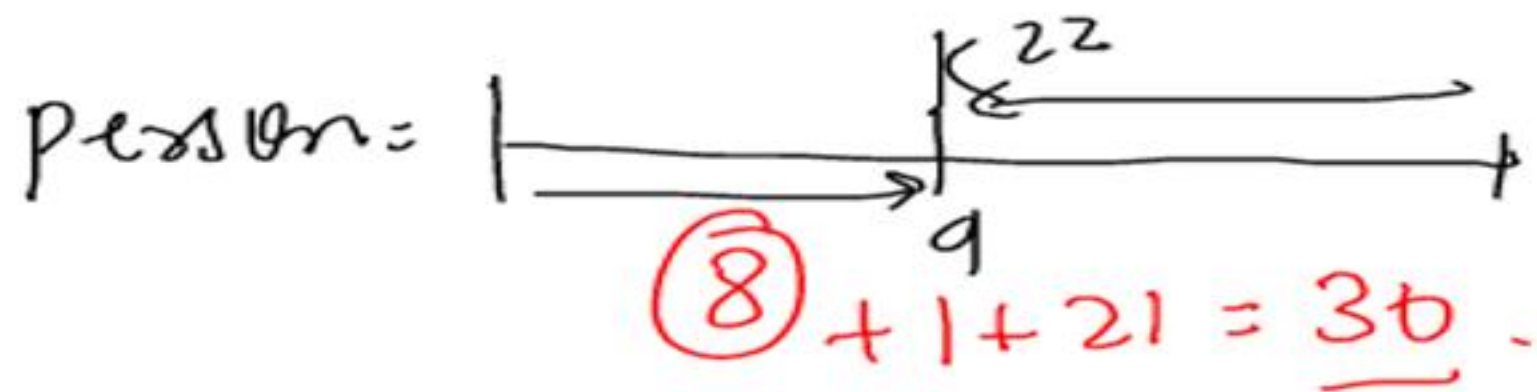
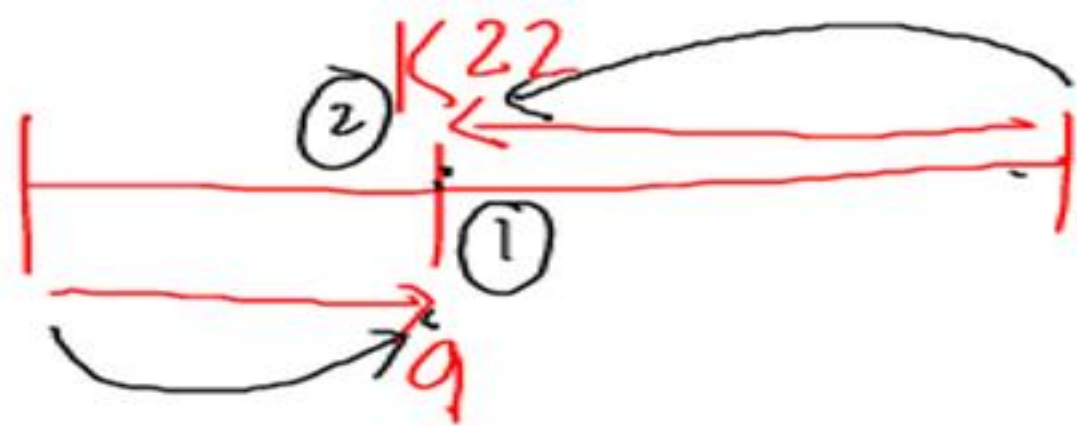


$$T = L + R - 1$$

$$L = T + 1 - R$$

$$R = T + 1 - L$$



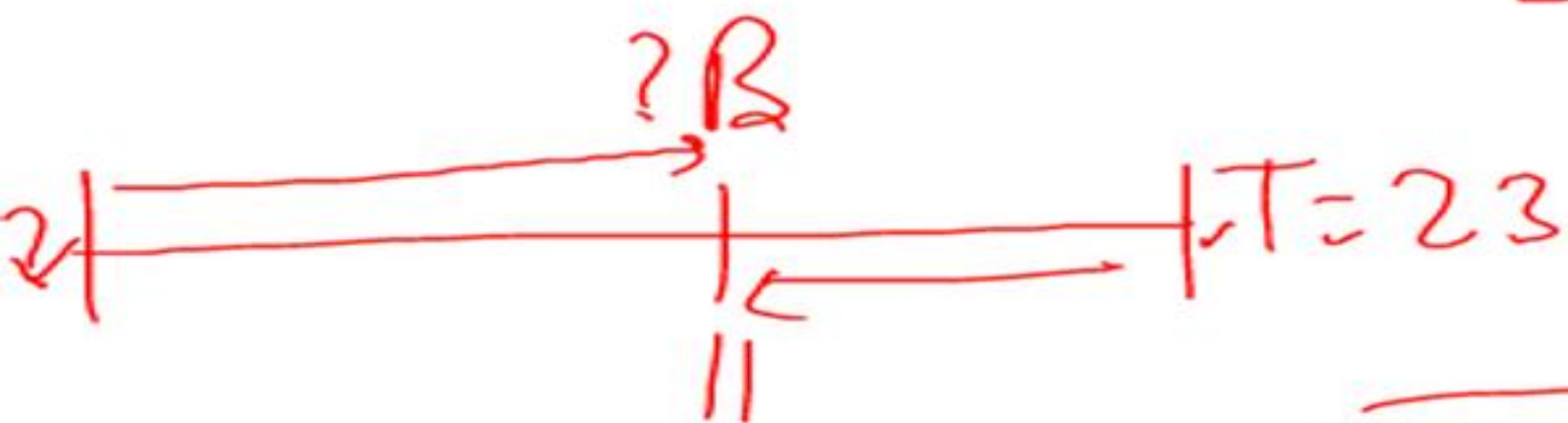


Total = ?  $9 + 22 - 1 = 30$

$T = L + R - 1 \rightarrow \text{Rank}$   
 1 person.



$R = T + 1 - L = 29 + 1 - 8 = \underline{22}$



$23 + 1 - 11 = \underline{13}$

$L = T + 1 - R$

### TYPE-1 {DIRECT RANKING}

Ques- In a class boys stand in a single line, one of the boy is 19<sup>th</sup> in order from both the ends. How many boys are there in the class?

A. 36

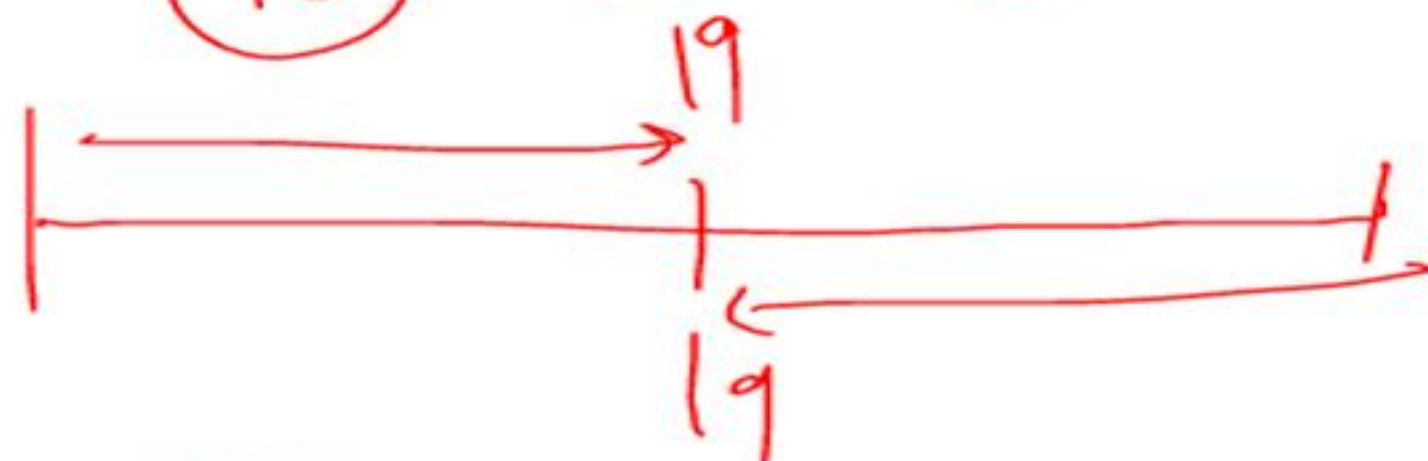
B. 38

C. 37

D. None

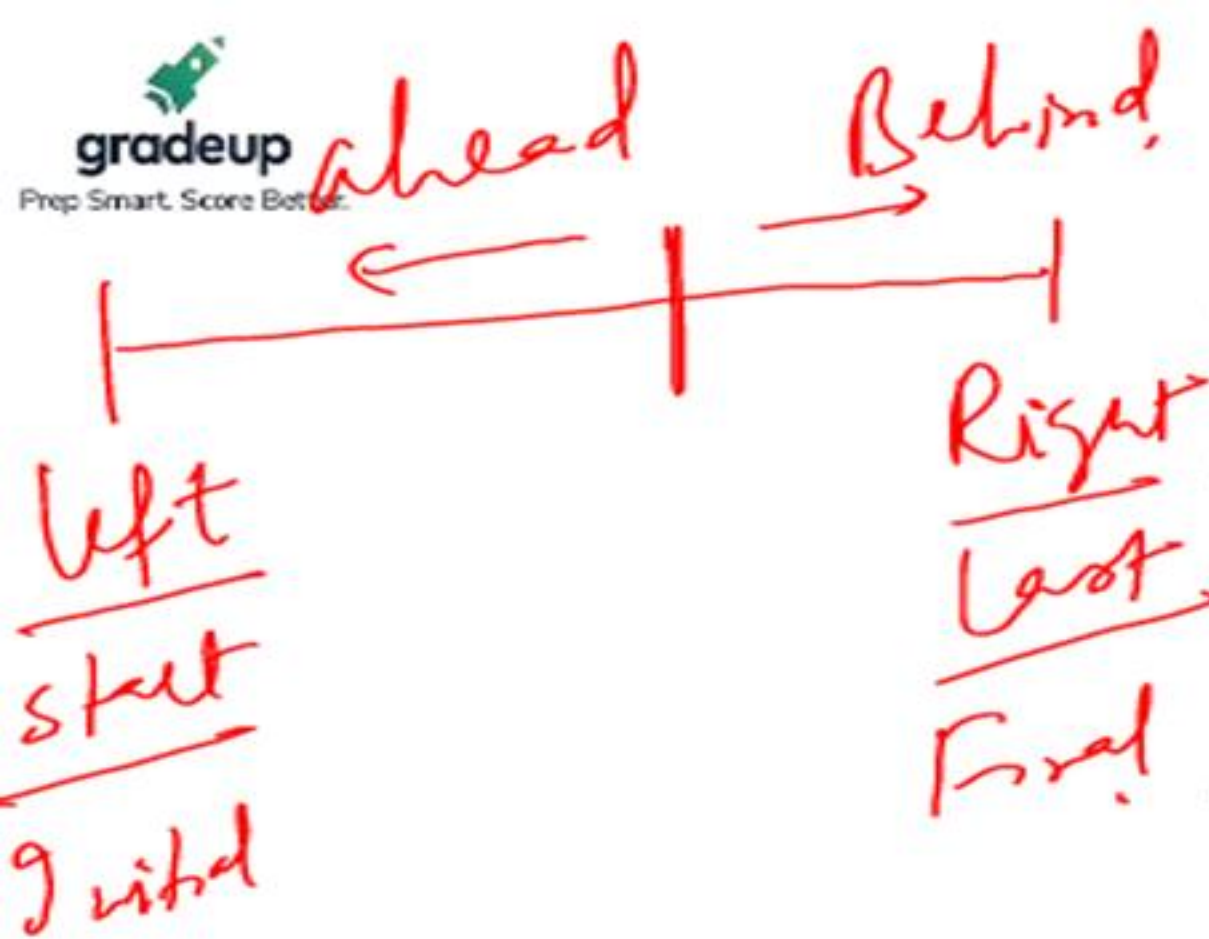
E. CBD

$$\textcircled{18} + \textcircled{1} + \textcircled{18} = \underline{37}$$



$$T = L + R - 1$$

$$= 19 + 19 - 1 = 37 \rightarrow \underline{\text{Rank}}$$



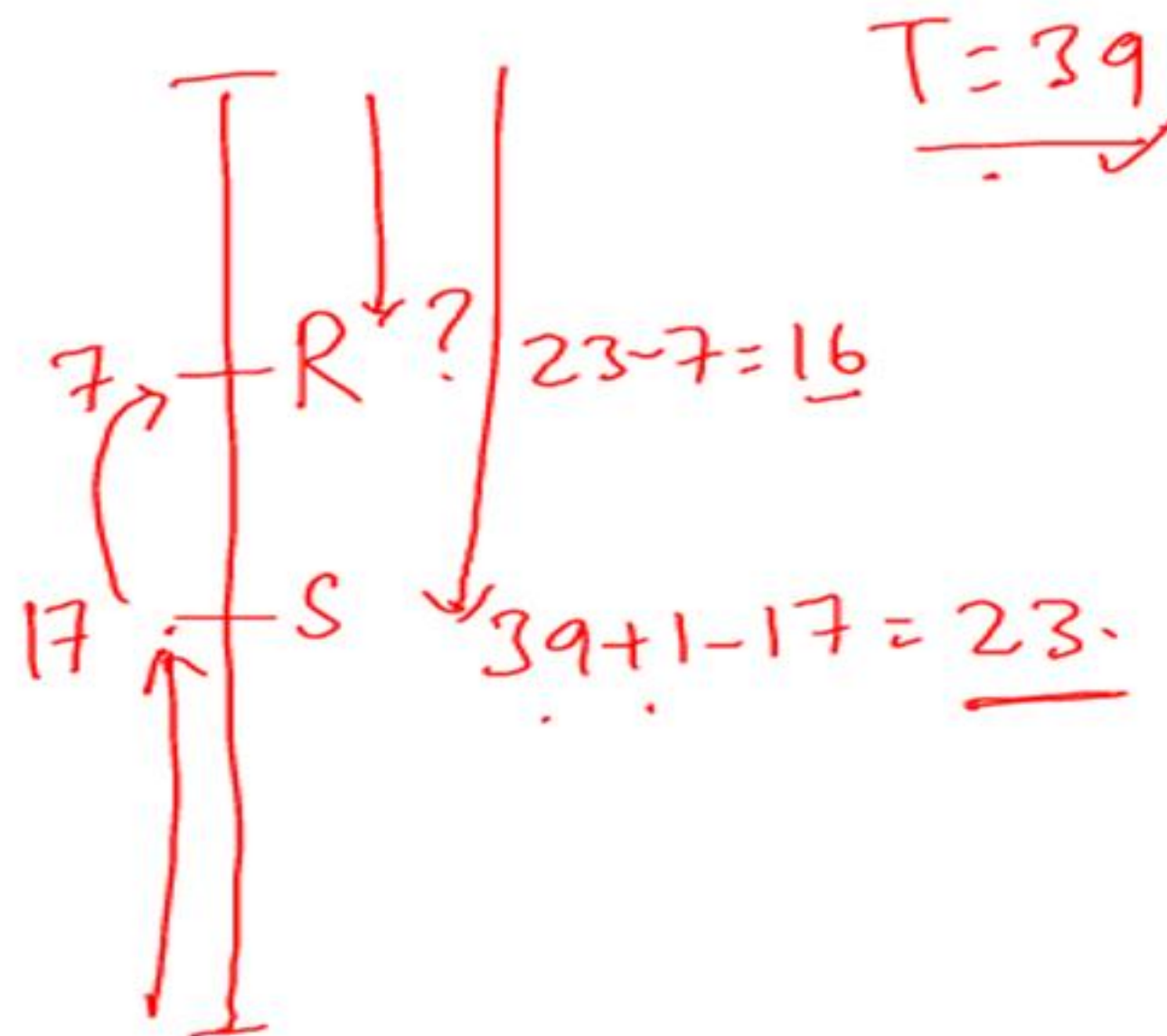
Ques. Ravi is 7<sup>th</sup> rank ahead of Sumit is a class of 39. If sumit's rank is seventeenth from the last. what is Ravi's rank from the start?

- A. 17<sup>th</sup>
- B. 23<sup>rd</sup>
- C. 19<sup>th</sup>
- ✓ D. 16<sup>th</sup>

None of these .

$$T = L + R - 1$$

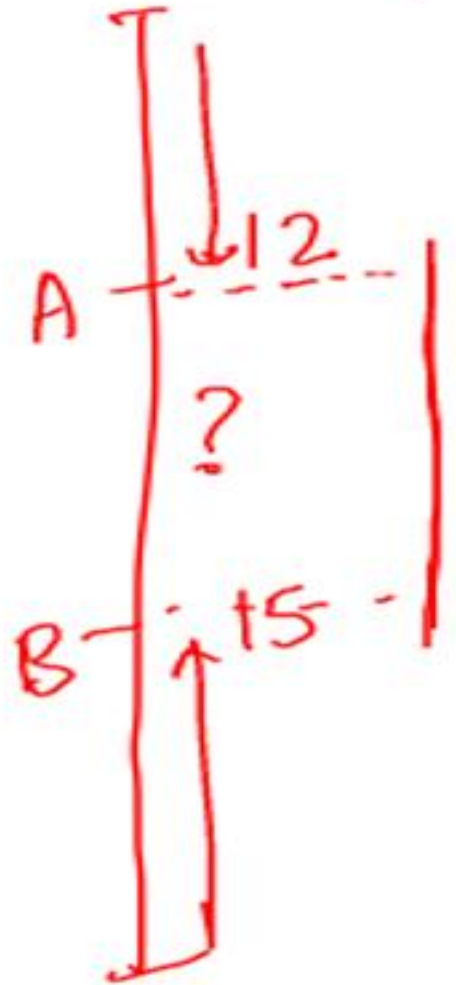
$$L = T + 1 - R$$





Ca

$$T = 40$$



$$M = 40 - (12 + 15) = 13$$

$$M = T - (L + R)$$

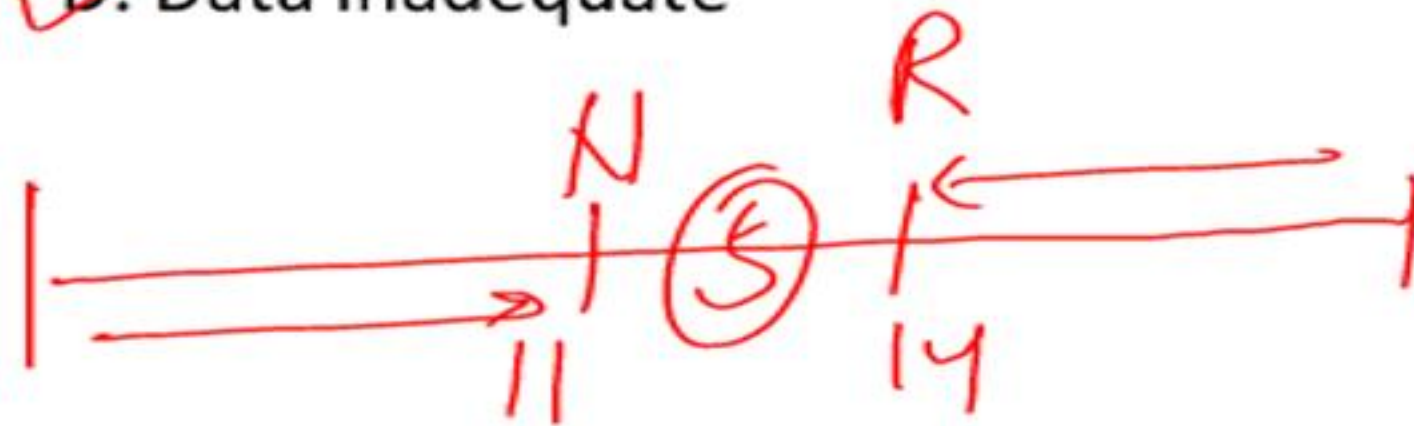
Ques. If Nikhil is 11<sup>th</sup> from the left in a row. Rehman is 14<sup>th</sup> from the right. Then how many boys are there in the row?

A. 11

B. 10

C. ~~24~~

✓ D. Data inadequate



$$= 11 + 5 + 14 = 29$$

$$T = L + R - 1 = 11 + 14 - 1 = \underline{\underline{24}}$$

$$\underline{T = 35}$$

Ques. In a class of 35, first year students, Karuna is placed 7<sup>th</sup> from the bottom whereas Surinder is placed 9<sup>th</sup> from the top. Mohan is exactly placed between the two. What is Karuna's position from Mohan.?

A. 19<sup>th</sup>

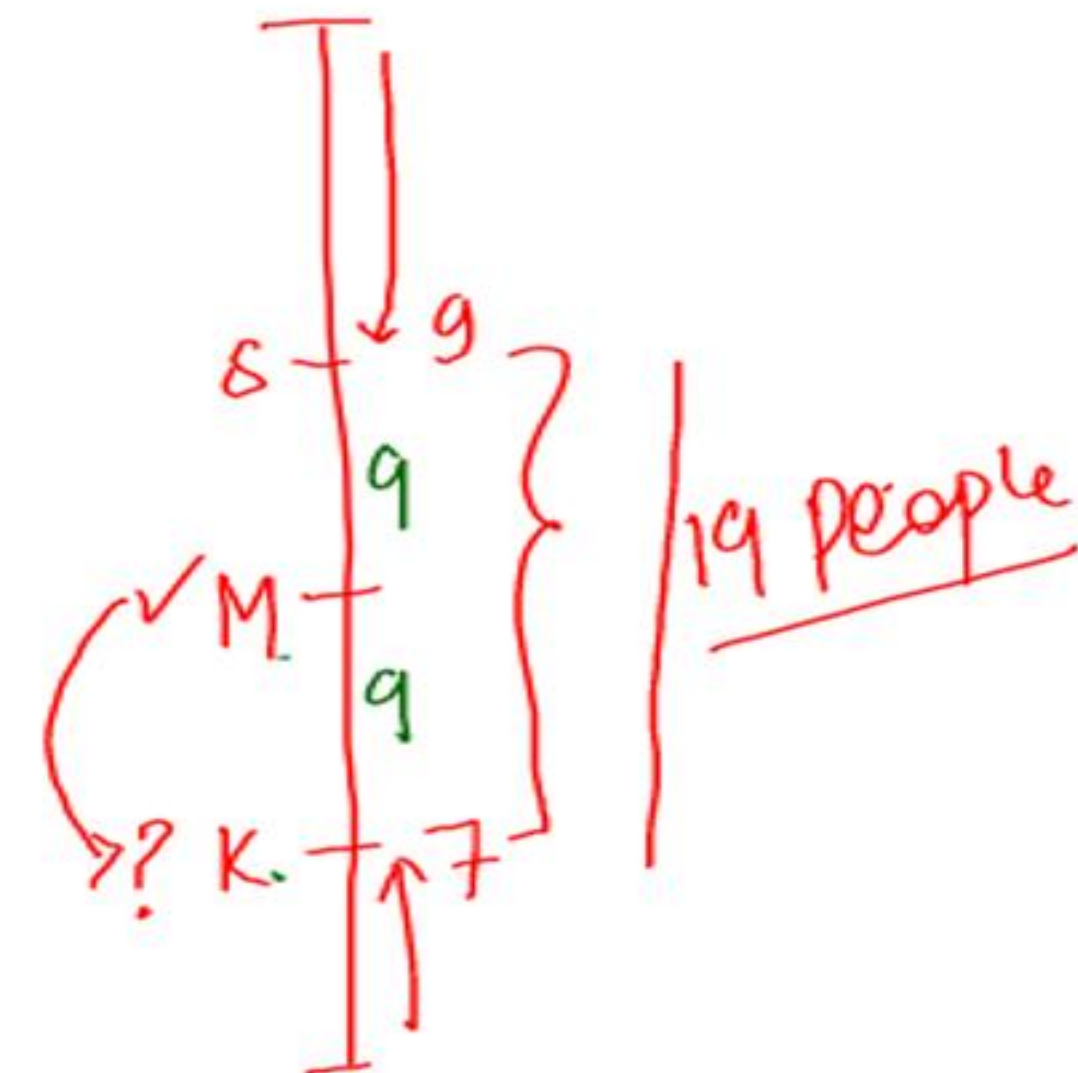
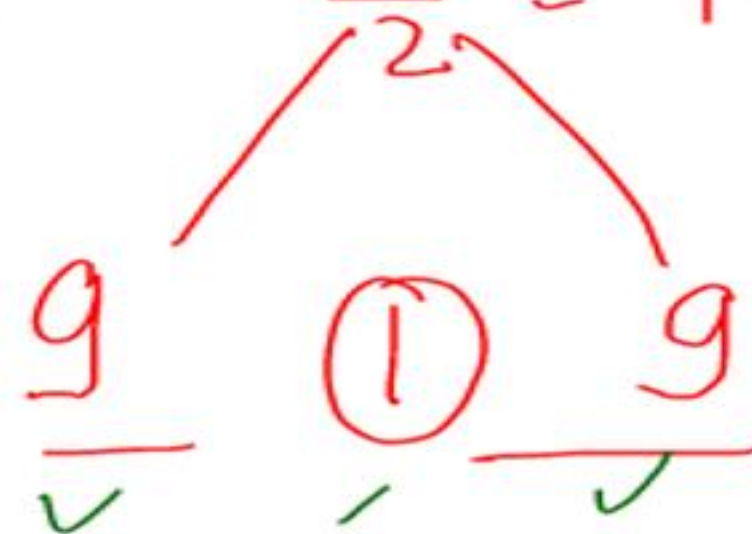
✓ B. 10<sup>th</sup>

C. 2<sup>nd</sup>

D. 29<sup>th</sup>

E. None of these

$$M = 35 - (9 + 7) = \frac{19}{2} = 9.5$$



Person + 1 = Rank

$$T = L + R - 1$$

1 person

## TYPE-2 {INTERCHANGE/EXCHANGE}

Ques - In a row A is at the 11<sup>th</sup> position from the left and B is 10<sup>th</sup> from right. If they are exchange their positions A becomes 18<sup>th</sup> from the left. How many persons are there in that row?

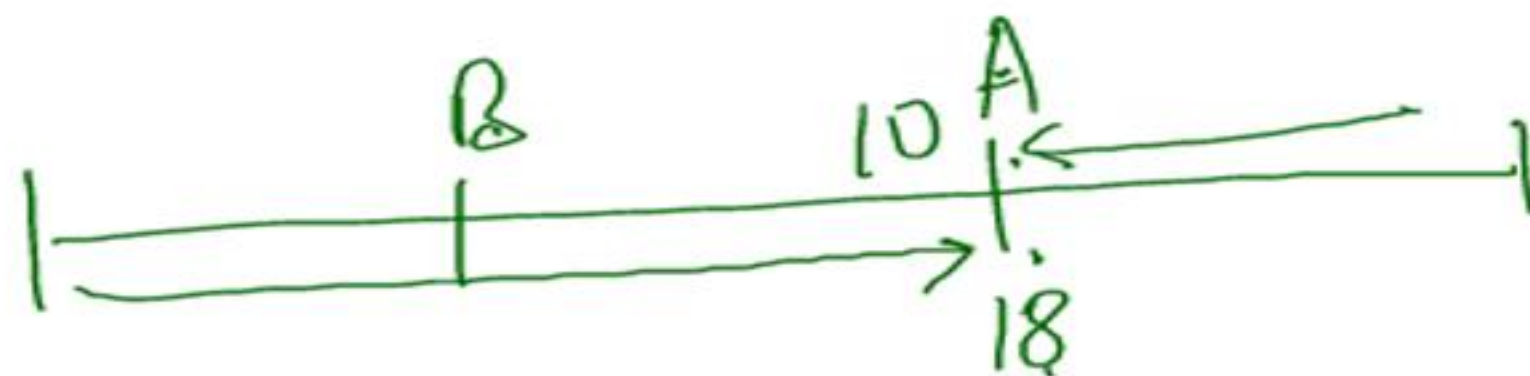
A. 22

B. 27

C. 31

D. 25

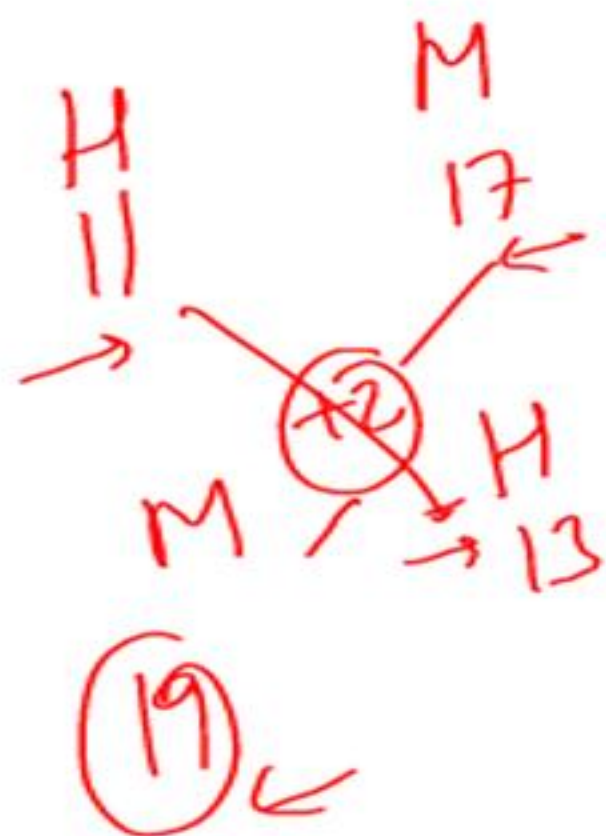
E. NONE



$$28 - 1 = 27$$

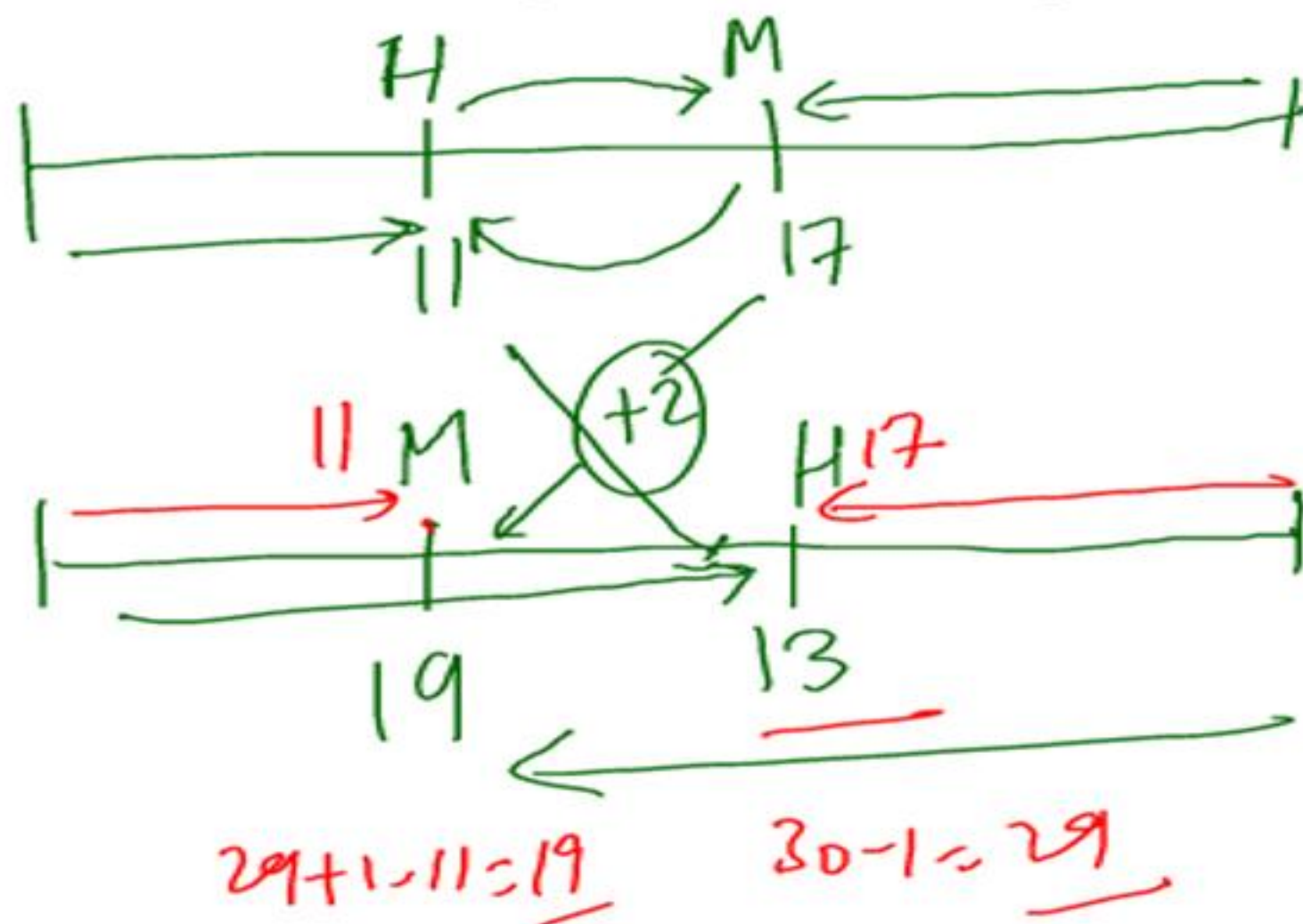
$$10 + 18 = ?$$





Ques. In a row of children Harish is eleventh from the left and Mangesh is 17<sup>th</sup> from the right when they exchange their places, Harish will be 13<sup>th</sup> from the left. Which of the following will be the new position of Mangesh from the right?

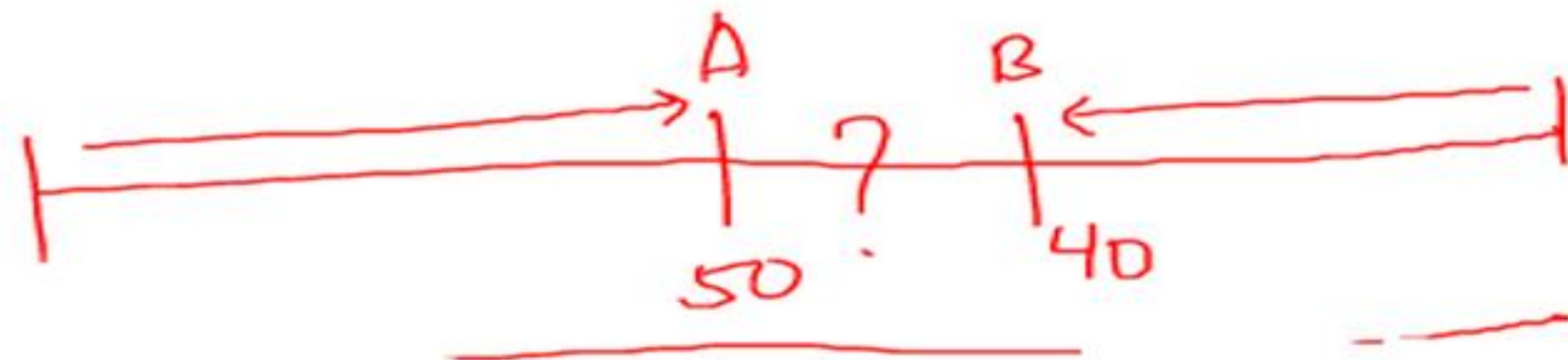
- A. 11<sup>th</sup>
- B. 21<sup>st</sup>
- ☒ C. 19<sup>th</sup>
- D. 29<sup>th</sup>



Total max<sup>m</sup>  
Total min<sup>m</sup>.

$(L+R) > T$   
overlap

TYPE-3



Q1 QUES- Total=100

A from left=50

B from right=40

Middle=?

$$M = 100 - (50 + 40) = 10$$

$$M = T_{\max} - (L + R) \rightarrow \text{Max}^m$$

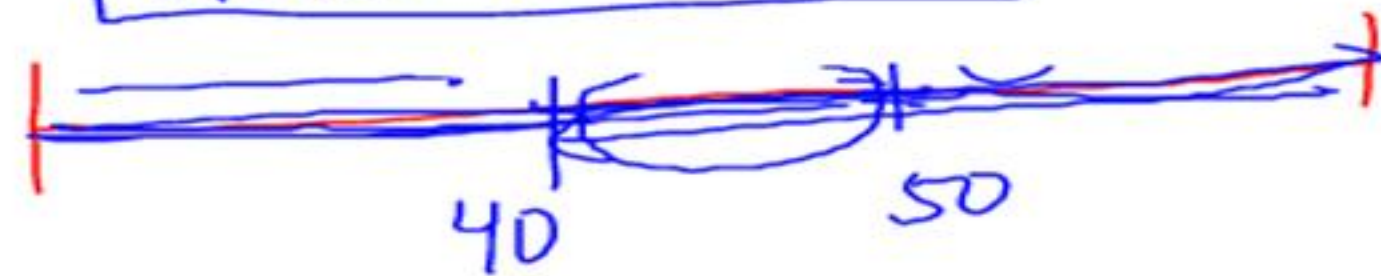
$$T_{\max} = L + R + M$$

Q2 Ques-Total=80

A from left=50

B from right=40

Middle=?



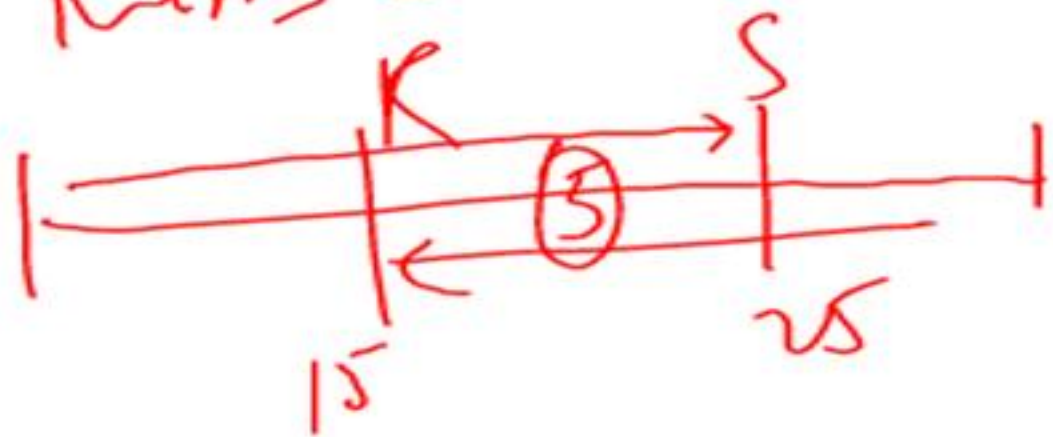
$$M = (50 + 40) - 80 - 2 = 8$$

$$M = (L + R) - T_{\min} - 2 \rightarrow \text{Min}^m$$

$$T_{\min} = (L + R) - M - 2$$



Minim (Overlap)

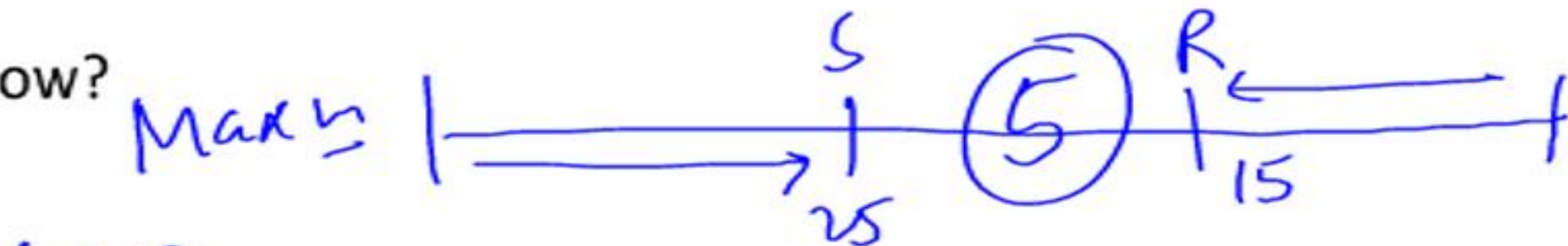


$$T_{min} = (L + R) - M - 2$$

$$= (25 + 15) - 5 - 2$$

$$= \underline{33}$$

Ques. In a row of girls Shivani is 25th from left and Rachna is 15<sup>th</sup> from right. there are 5 girls between them, then find total maximum and total minimum no of girls in the row?



(NO overlapping)

$$T_{max} = L + R + M$$

$$= 25 + 15 + 5 = \underline{45}$$



$$T = 25$$

$$A = 15 (\text{Top})$$

$$B = 17 (\text{Bottom})$$

$$32 > 25$$

$$(L + R) > T$$

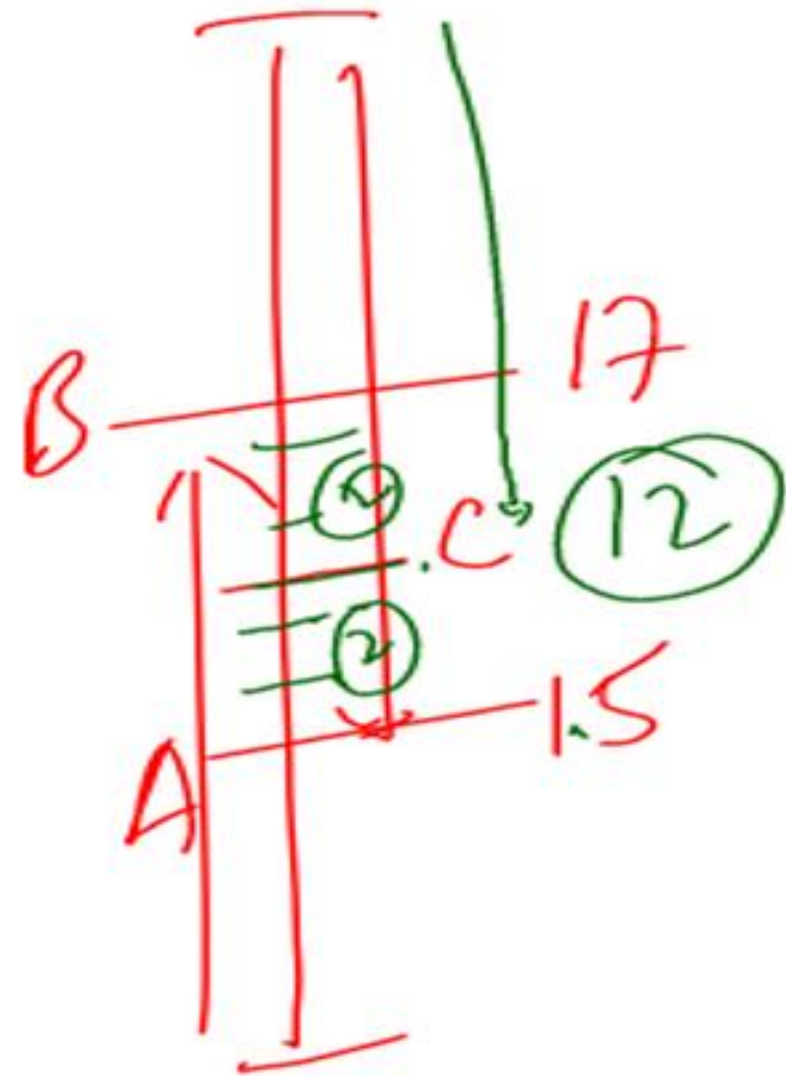
Overlap

$$M = (L + R) - T - 2$$

$$= 32 - 25 - 2 = 5$$

Ques. In a class of 25 students A is 15<sup>th</sup> from top and B is 17<sup>th</sup> from bottom. C is placed exactly between the two, Find C's position from top?

- ☒ A. 18<sup>th</sup>
- ☒ B. 12<sup>th</sup>
- ☐ C. 13<sup>th</sup>
- ☐ D. CBD
- ☐ E. None of these .



$$T = L + R - 1$$

Sanjay

$$L = (27 + 17) = 44$$

$$R = (31 - 7) = 24$$

$$\begin{array}{r} 68 \\ -1 \\ \hline 67 \end{array}$$

Ques. In a row of boys, sunil is 27<sup>th</sup> from left and Deepak is 31<sup>st</sup> from right, sanjay is 17<sup>th</sup> from sunil towards right and 7<sup>th</sup> from Deepak towards right. Find total no of boys in the row?

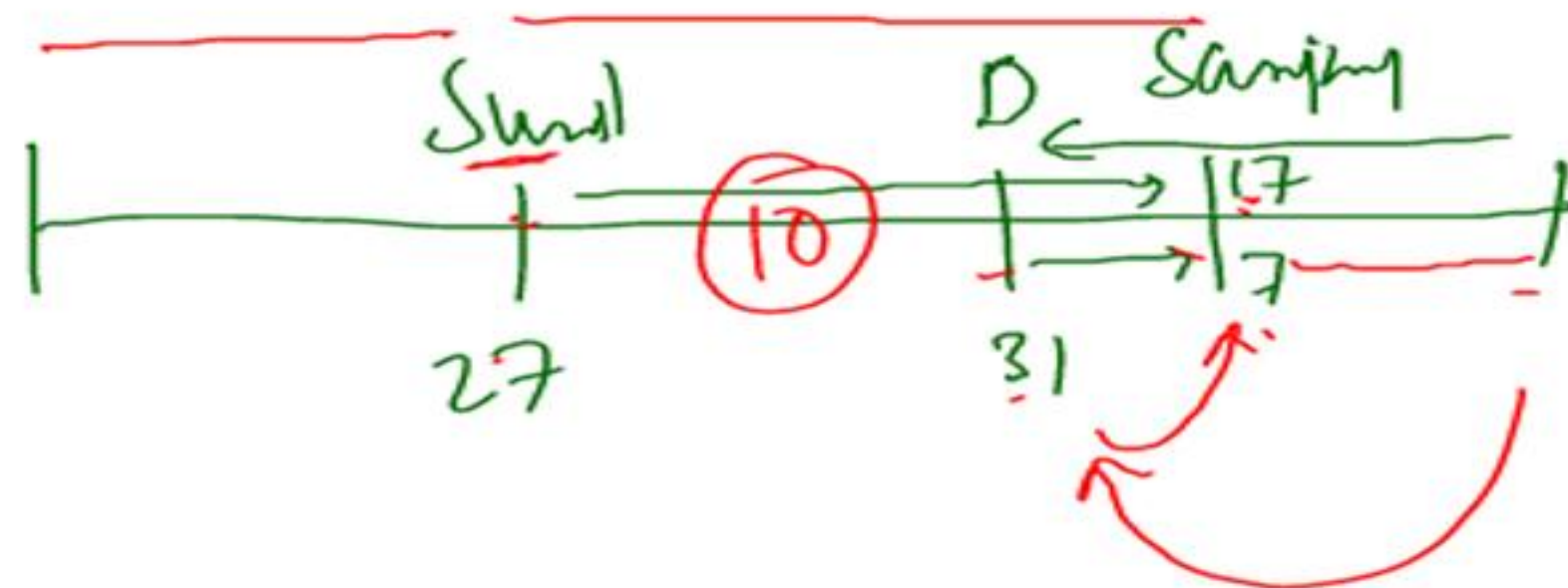
A. 77<sup>th</sup>

B. 81<sup>rd</sup>

☒ C. 67<sup>th</sup>

D. 66<sup>th</sup>

E. None of these .



$$\begin{array}{r} 27 \\ 10 - 1 \\ 31 \\ \hline 67 \end{array}$$



$$\begin{array}{l}
 G : B \\
 2 : 1 = 3 \rightarrow 90 \\
 \quad \quad \quad 1 \rightarrow 30 \\
 \downarrow \quad \downarrow \\
 60 \quad 30 \\
 \hline
 26
 \end{array}$$

Ques. In a class of 90, where girls are twice that of boys, Shridar ranked fourteenth from the top, if there are 10 girls ahead of Shridar, how many boys are after him in rank?

- A. 23
- ☒ B. 26
- C. 25
- D. 22
- E. None of these

Boys

Bois

$$\begin{array}{l}
 13 \text{ people} \\
 \hline
 1 \text{ S} \rightarrow 14 \text{ (1)} \\
 \hline
 G = 10 \\
 B = 3
 \end{array}$$



Ques. Raji is 5 ranks ahead of Raj in a class of 46 students. If Raj's rank is twelfth from the last, what is Raji's rank from the start?

- A. 29
- B. 31
- C. 28
- D. 30
- E. None of these

Ques. A ranks fourth in a class. B ranks ninth from the last, If C is ninth after A and just in the middle of A and B, How many students are there in the class?

- A. 33
- B. 32
- C. 31
- D. 30
- E. None of these

Ques. Kanmani ranked sixteenth from the top and twenty ninth from the bottom among those who passed an examination. Six boys did not participate in the competition and five failed in it. How many boys were there in the class?

- A. 35
- B. 45
- C. 50
- D. 55



Ques. In a row of boys, if A who is tenth from the left and B who is ninth from the right interchange their positions. A becomes fifteenth from the left. How many boys are there in the row?

- A. 21
- B. 23
- C. 27
- D. 28

Ques. N ranks fifth in a class. S is eighth from the last. If T is sixth after N and just in the middle of N and S, then how many students are there in the class?

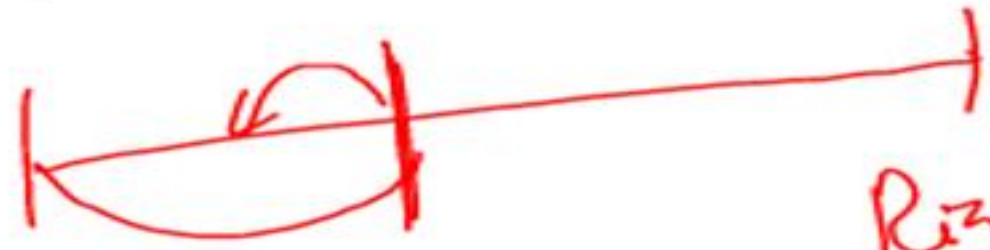
- A. 21
- B. 23
- C. 24
- D. 25



Q. In a row of children, Bali is seventh from the left and Moti is fourth from the right. When Bali and Moti exchange positions, Bali will be fifteenth from the left. What will be Moti's position from the right? (a) Eighth (b) Fourth (c) Eleventh (d) Twelfth

A B ————— Z

Left



Right

Q. In English alphabet which letter would be 5<sup>th</sup> to the left of 10<sup>th</sup> letter from the left?

~~LL = -~~

To From  
5L 10L  
5L = E



Q. Which letter would be 4<sup>th</sup> to the right of 11<sup>th</sup> from left?



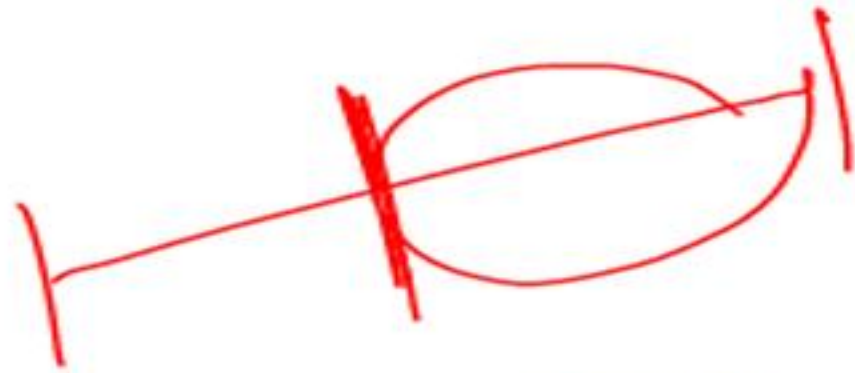
$LR = +$

To      From  
4<sup>th</sup>      11<sup>th</sup>

15<sup>th</sup> = 0

O P Q R (S) T U V W X Y Z

Q. Which letter would be 7<sup>th</sup> to the right of 8<sup>th</sup> from right?



RR = -

5th from Right =

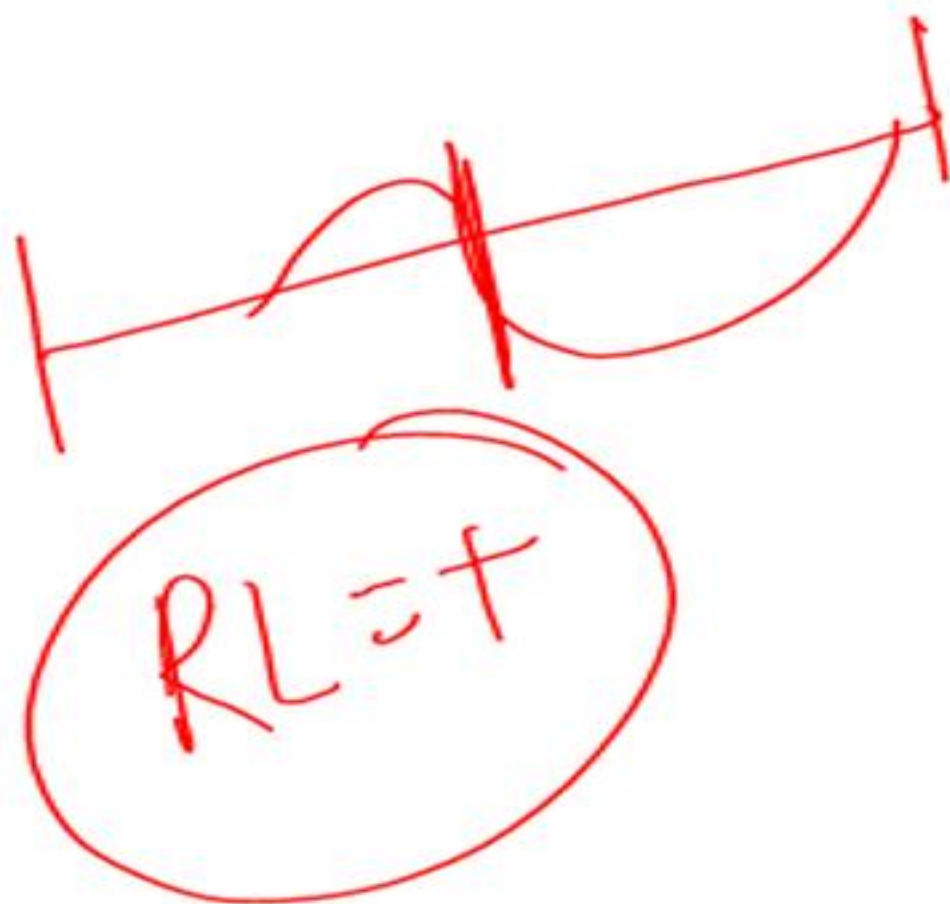
$$26 + 1 - 5 = 22$$

To From  
7.R 8.R

1R = Z

$$26 + 1 - 1 = \underline{26} = 2$$

Q. Which letter would be 8<sup>th</sup> to the left from 12<sup>th</sup> from right?

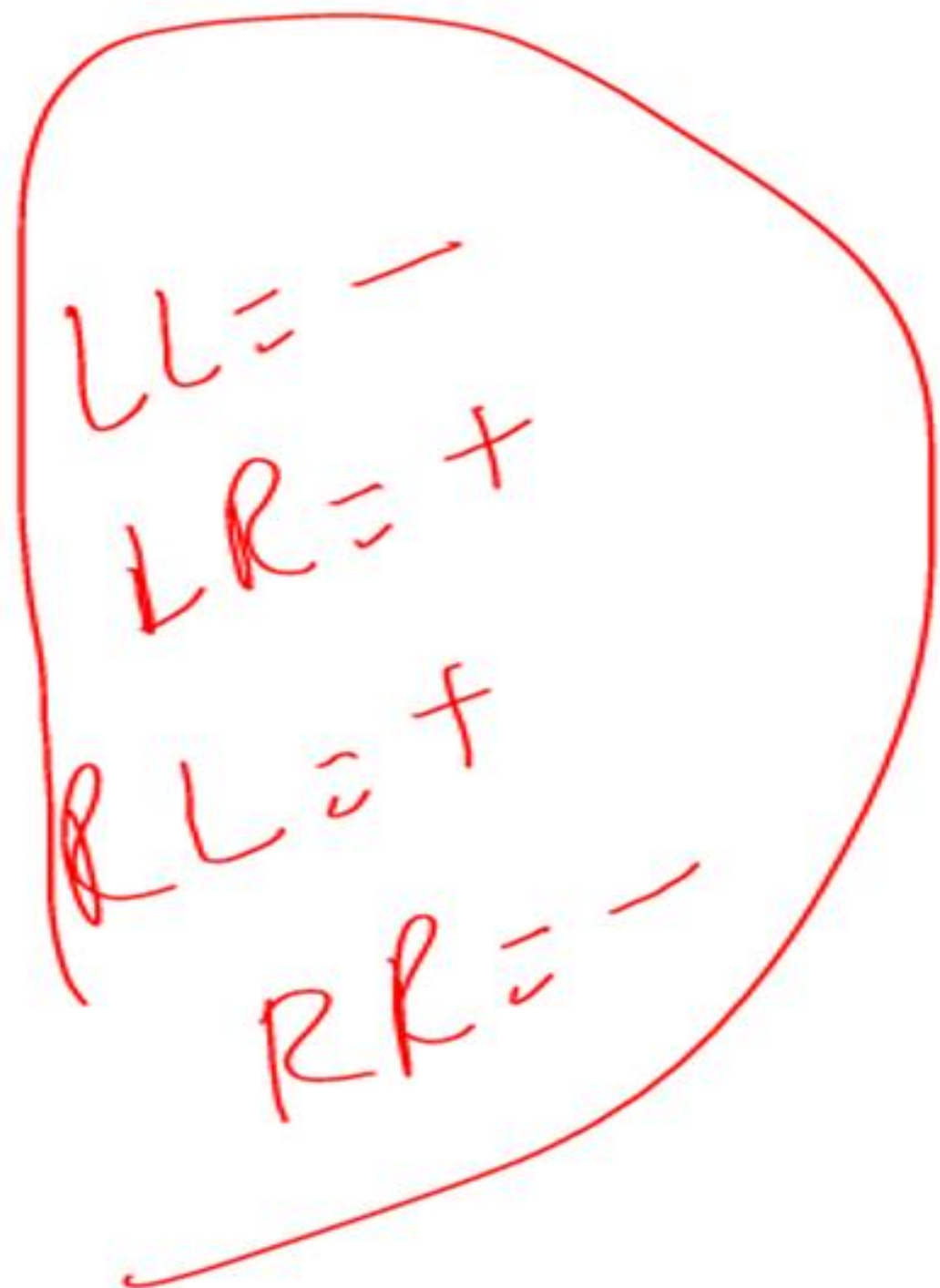


To  
 8L

From  
 12R

$$20R = 27 - 7 = 20 \quad \underline{20R = 27 - 7 = 20}$$





Sahi Prep Hai Toh Life Set Hai

Practise  
topic-wise quizzes

Keep attending  
live classes

