1. In a row your position is 5th from either ends then how many members in the row?

A) 1 2 3 4 $\boxed{\begin{array}{c} 5 \\ 5 \end{array}}$ 4 3 2 1

$10 - 1 = 9$

Only one person is counting twice so subtract '1'

2. Ramarau is 16th from top and 49th from bottom in a class. How many members are there in the class.

A. $\begin{array}{r} 16 \\ 49 \\ \hline 65 \end{array} - 1 = 64$

3. Manisha ranked 16th from top and 29th bottom among those who passed an examination 6 boys did not participate in the competition and 5 failures in this. Then how many members are in the class.

A) $\begin{array}{r} 16 \\ 29 \\ \hline 45 \end{array} -1 = 44$ — passed

$\phantom{\begin{array}{r}16\\29\\\hline45\end{array}-1=}6$ — Abstanties

$\phantom{\begin{array}{r}16\\29\\\hline45\end{array}-1=}5$ — fails

$\phantom{\begin{array}{r}16\\29\\\hline4}\overline{55}$

4. In a row of 12 boys ramu who is 5th from left end. then what is his position from right.

A. 1 2 3 4 5 6 7 8 9 10 11 12

$12 - 5 = 7 + 1 = 8^{th}$ from right.

5. Manoj and sachin are ranked 7th and 11th respectively from top in a class of 31 students. What will be the respective ranks from bottom.

A. $M - 7 \Rightarrow M_{24+1} = M_{25}$

$S - 11 \Rightarrow S_{(31-11)+1} = S_{21}$

6. In a row of 10 boys when rohit was shifted two places towards left, he become 7th from left end what was his position earlier from right end.

                                      ← left

A. 1 2 3 4 5 6 ⑦ 8 9 10
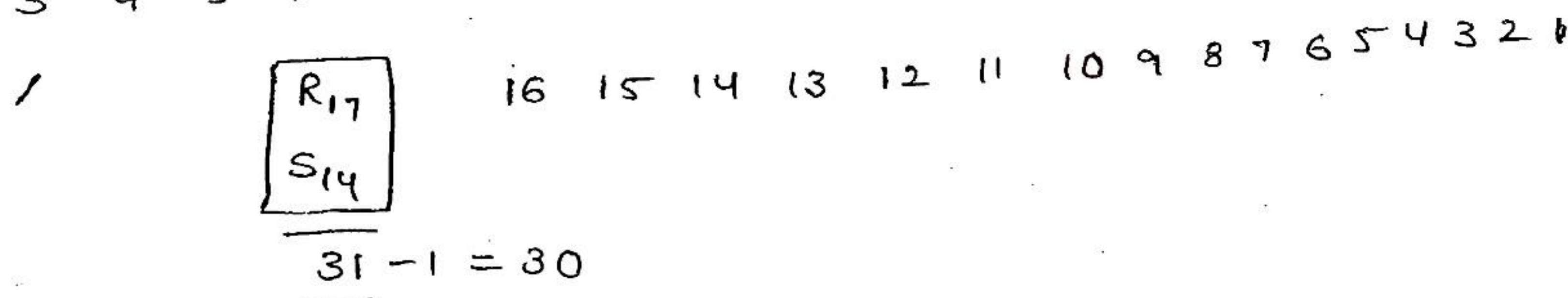
   2nd from right

7. In a row of girls shilpa is 8th from left and reena is 17th from right. If they interchange their position, shilpa becomes 14th from left. How many girls in the row?
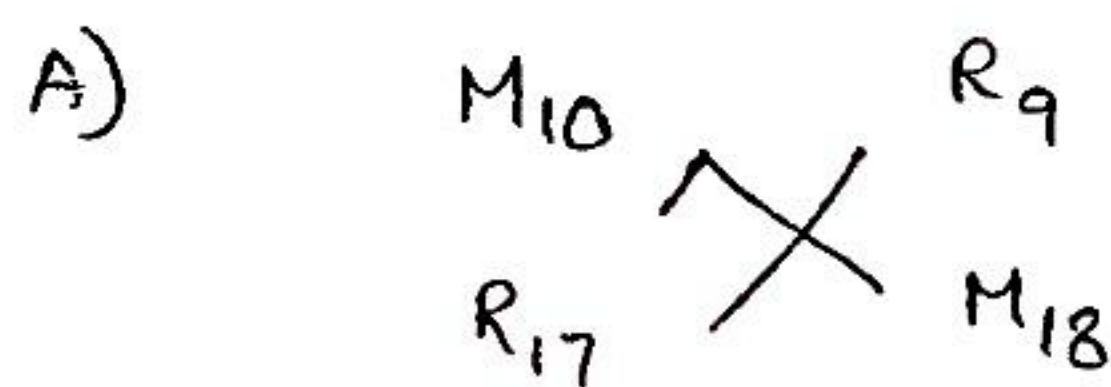
  a) 25 b) 27   c) 29   d) None.

A. 1 2 3 4 5 6 7^{S}8 9 10 11 12 13

                    $\boxed{\begin{matrix} R_{17} \\ S_{14} \end{matrix}}$ 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

                    $\overline{31-1=30}$

one place is counting two times so "-ve".

8. In a row of girls reeta and mounika occupies 9th place from right and 10th place from left end respectively. If they interchange their places reeta and mounika occupies 17th from right 18th from left. How many girls are their in the row.
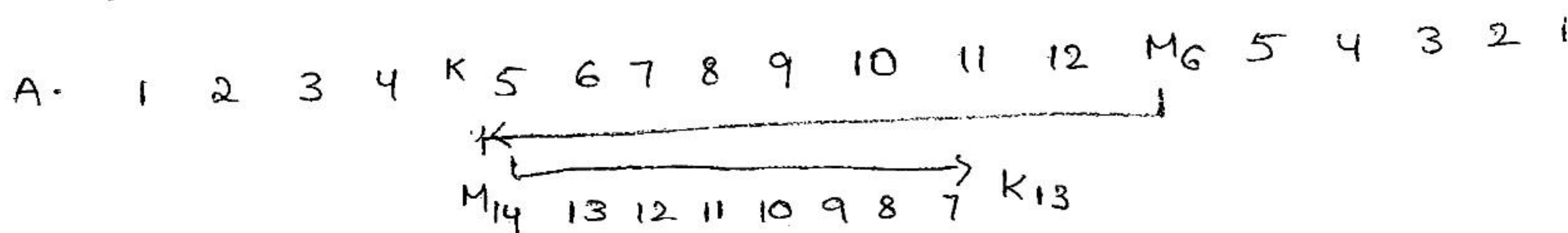
  a) 25 b) 26 c) 27 d) none of these.

A) M_{10} R_9

           ✕

   R_{17} M_{18}

    $27-1=26$ $27-1=26$

9. In a que of children kilas is 5th from left and mona is 6th from/right. when they interchange their places among them kilas become 13th from left then what will be monas position from right.

  a) 4   b) 8   c) 14   d) 15.

A. 1 2 3 4 ^{K}5 6 7 8 9 10 11 12 M6 5 4 3 2 1

           ↑

      M_{14} 13 12 11 10 9 8 7 K_{13}

$$K_5 \diagdown^8 M_6$$
$$M \diagup\diagdown K_{13}$$

$$\rightarrow 6 + 8 = 14$$

Ans :- 14 .

10. In a row of boys kapil is 8th from right Nikunj is 12th from left. When kapil and Nikunj interchange their position. Nikunj becomes 21th from left. Which of the kapil position from right.

 a) 8   b) 17   c) 21   d) cannot.   ╱ ╲

$$N_{12} \diagdown^9 K_8$$
$$K_{17} \diagup\diagdown N_{21}$$

11. In a cube Amrutha is 10th from front while Mukul is 25th from behind and Mamata is just in middle of two. There will be 50 persons in cube. What position mamata occupies from front.

 a) 20   b) 19   c) 18   d) 17

A) Total = 50

$$A_{10} \text{———} \overset{M}{\cdot} \text{———} Mu_{25}$$

$$50 - (10 + 25) = 50 - 35 = \frac{15}{2} = 7.5 \simeq 8 \text{ from left and}$$

$$10 + 8 = 18.$$

12. In a cube vijay is 14th from front and jack is 17th from end while mary is in b/w vijay and jack. If vijay be ahead of jack and there will be 48 persons in que. How many persons in b/w mary and vijay.   ╱

 a) 8   b) 7   c) 6   d) 5

A) Total = 48 $V_{14} \text{———} M \text{———} J_{17}$

$$48 - (14 + 17)$$

$$= 48 - 31 = \frac{17}{2} = 8.5 \simeq 9^{th} \text{ person is mary ╱}$$

In b/w vijay and Mary = 8 No's.

13. Three persons A, B, C are standing in a Q. There are 5 persons b/w A & B. 8 persons b/w B & C. If there be 3 persons ahead of C and 21 persons behind A. What could be the min no. of persons in the que.

a) 41   b) 40   c) 28   d) 27

A. $\xleftarrow{21}$ A $\underline{\quad 5 \quad}$ B $\underline{\quad 8 \quad}$ C $\underline{\quad 3 \quad}$

21 + 1 + 5 + 1 + 8 + 1 + 3 = 40

ii) $\xleftarrow{3}$ C $\underline{\quad 8 \quad}$ B $\xleftarrow{15}$

A $\xrightarrow{21}$

−6
II

3 + 1 + 8 + 1 + 15 = 28

ahead / behind
_____

Ahead

(C) $\xrightarrow{3}$

$\xleftarrow{\quad}$ (C)

Behind

$\xleftarrow{21}$ (A)

(A) $\xrightarrow{21}$