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## ORDER \& RANKING

If Anil finds that he is fourteenth from the left end and 7 from the right end, then how many boys must be added to the line such that there are 30 boys in the line?
a) 8
b) 10
c) 12
d) 14
e) None of these

Answer \& Explanation
Answer - b) 10
Explanation :
13 boys Anil 6 boys $=20$ boys so number of boys to be added $=10$

- In a class of 90 students, numbers of boys are twice the number of girls. Rani is $58^{\text {" }}$ from the left end and there are $\mathbf{2 0}$ boys to the right of Rani, then the number of girls to the left of Rani?
a) 15
b) 16
c) 17
d) 19
e) None of these

Answer \& Explanation
Answer - c) 17
Explanation :
Number of boys $=60$ and girls are $=30$
(57 students) Rani (20 boys) (12 girls)
So number of girls to the left of Rani $=30-12-1=17$

- In a row of 50 students, $A$ is fourteenth from the left end and $B$ is tenth from the right end. How many students are there in between $A$ and $C$ if $C$ is eight to the left of $B$ ?
a) 14
b) 16
c) 18
d) 20
e) None of these

Answer \& Explanation
Answer - c) 18
Explanation:
13 students A (18 Students) C (7 students) B (9 students)

- A number of students are standing in a row facing north is such a way that a particular student is nineteenth from both the ends. So find the number of students in the class.
a) 36
b) 37
c) 38
d) 39
e) None of these

Answer \& Explanation

Answer - b) 37
Explanation :
(18 students) BOY (18 students) $=18+18+1=37$

- In a row of $\mathbf{2 5}$ girls, when Neha was shifted by four places towards the left, she become $\mathbf{1 0}^{\text {n }}$ from the left end. What was her earlier position from the right end of the row?
a) $10^{\text {th }}$
b) $11^{\text {th }}$
c) $12^{\text {th }}$
d) $13^{\text {th }}$
e) None of these

Answer \& Explanation
Answer - c) 12 ${ }^{\text {th }}$
Explanation :
(9 students) Neha ***(initial position) (11 students)

- In a queue, $\mathbf{P}$ is seventeenth from the front while $\mathbf{Q}$ is nineteenth form the last. If $\mathbf{R}$ is twenty forth from the front and is exactly in the middle of $P$ and $Q$. Then find the number of people in the queue.
a) 47
b) 48
c) 49
d) 50
e) None of these

Answer \& Explanation
Answer - c) 49
Explanation :
(16 people) $P$ and $Q$ (18 people). Since $R$ is exactly in the middle and also $24^{\text {f }}$ from the front so, number of people between $P$ and $R$ is 6 . Similarly between $R$ and $Q$ is 6 . So total people $=16+P+6+R+6+Q+$ $18=49$

- If $A$ ranks seventh in the class. $B$ is tenth from the last. If $P$ is fifth after $A$ and just in the middle of $A$ and $B$, then how many students are there in the class?
a) 26
b) 28
c) 24
d) 30
e) None of these

Answer \& Explanation
Answer - a) 26
Explanation :
(6 students) A (4 Students) P (4 students) B (9 students) = 26

- In a row facing north, $A$ is tenth to the left of $B$, who is $19^{n}$ from the right end. If $C$ who is $16^{\text {n }}$ from the left end, is fourth to the right of $A$, how many girls are there in the row?
a) 38
b) 40
c) 42
d) 44
e) None of these

Answer \& Explanation

Answer - b) 40
Explanation :
(11 girls) $A^{* * *} C$ (5 girls) B (18 girls) $=40$

- $A$ is eight from the left end and $B$ is sixteenth from the right end. $C$ who is fourth to the right of $A$ is sixth to the left of $B$. Find the total number of people in the row.
a) 31
b) 32
c) 33
d) 34
e) None of these

Answer \& Explanation
Answer - c) 33
Explanation :
(7 people) A - - - C - - - - - B (15 people) $=33$

- In a row of 40 boys, when Rajesh was shifted to his left by 4 places his number from the left end of the row becomes 10. What was the number of Suresh from the right end of the row if Suresh was three places to the right of Rajesh's original position?
a) 23
b) 25
c) 26
d) 27
d) 21
e) None of these

Answer \& Explanation
Answer - e) None of these
Explanation :
24
(9 boys) Rajesh *** (original position) ** (Suresh) (23 boys)
I. Directions(Q.No: 1-5)Study the following arrangement to answer the given questions

Y \# OU7D \$ V @ BE8 © X 1 AC \% P 24 QIN 6 M * Z 5


1. If all the numbers are dropped from the above arrangement, which of the following will be the ninth from the right end?
1.A
2.C
3.X
4.Y
5.0

## Answer

2.C

Explanation:
Y \# O U 7 D \$ V @ BE8 © X 1 AC \% P 24 QIN $6 M^{*}$ Z 5
Ninth from the right end - C
2. Which of the following will be the sixth to the left of the fourteenth from the left end of the above arrangement?
1.Y
2.0
$3 . \cup$
4.V
5.None of these

## Answer

4.V

Explanation:
6th to the left of the 14th from the left end $\rightarrow>$ 8th from the left end Y \# OU7D \$V @ BE8 © X 1 AC\%P 24 QIN $6 M$ * Z 5
3. Which of the following is the fifth to the right of the thirteenth to the left of $\mathbf{Q}$ in the given arrangement?
1.X
2.@
3.U
4.*
5.None of these

Answer

## 1.X

Explanation:
Y \# OU7D \$V @ BE8 © X 1 AC \% P 24 QIN $6 M^{*}$ Z 5
13th to the left of $\mathrm{Q}-$ @
5th to the right of $-X$
4. How many such vowels are there in the above arrangement, each of which is immediately preceded by a consonant and immediately followed by a number?
1.None
2.One
3.Two
4.Three
5.Four

Answer
2.One

Explanation :
BE8
5. How many such symbols are there in the above arrangement, each of which is immediately preceded and also immediately followed by a consonant?
1.One
2.Two
3.Three
4.Four
5.None

## Answer

4Four
Explanation:
D\$V, V@B, C\%P, M*Z
II. Directions(Q.No: 6-10) Study the following arrangement to answer the given questions

R6J\#L@3EDTAC* G UM2FIV\$4Z5Y
6. If all the numbers are dropped from the above arrangement, which of the following will be the seventeenth from the right end?
1.E
2.L
3.1
4.C
5.@

## Answer

5.@

Explanation:
R6J\#L@3EDTAC*G © UM2FIV\$4Z5Y
7. Which of the following is the sixth to the left of the fifth to the left of "V"?
1.3
2.A
3.D
4.T
5.None of these

## Answer

4.1

Explanation :
sixth to the left of the fifth to the left of " V " - 11th to the left of V
R6J\#L@3EDTAC*G © UM 2 FIV\$4Z5Y
8. Which of the following is the eighth to the right of the fourteenth from the left end of the above arrangement?
1.V
2.4
3.\$
4.E
5.None of these

## Answer

3.\$

Explanation :
8th to the right of 14th from the left - 6th from the left end $-\$$
9. Four of the following five are alike in a certain way based on their positions in the above arrangement and so form a group. Which is the one that does not belong to that group?
1.IM\$
2.CDG
3.3\#D
4.UGC
5.GAU

Answer
4.UGC
10. How many such symbols are there in above arrangement, each of which is immediately preceded by an alphabet and immediately followed by a number?
1.One
2.Two
3.Three
4.More than three
5.None

## Answer

2.Two

Explanation :
L@3, V\$4
-
$A$ is shorter than B but taller than C. D is taller than $A$. $E$ is shorter than $C$. Who amongst the following is the tallest?
a) $A$
b) B
c) $D$
d) Either B or D
e) None of these

Answer \& Explanation
Answer - d) Either B or D
Explanation :
$B, D>A>C>E$ (we can't say anything about B and D)

- In a row of 30 children, Mahesh is 12th from the left end. Rakesh a friend of Mahesh is $\mathbf{3}$ to the left of Mahesh. Find the position of rakesh from the left end.
a) 8 th
b) 9 th
c) 10 th
d) 5 th
e) None of these Answer \& Explanation
Answer - b) 9th
Explanation :
(8 persons) (rakesh) ** Mahesh (18 person)
- $A$ is fifteenth from the left end and $B$ is eight from the right end. If there are 4 boys between them and $B$ is to the right of $A$ then the total number of student sitting in the row.
a) 26
b) 27
c) 28
d) 29
e) None of these

Answer \& Explanation
Answer - b) 27
Explanation :
(14 person) $\mathrm{A}^{* * * *} \mathrm{~B}$ (7 persons)

- $P$ is fifteenth from the left end in a row of boys and $Q$ is eighteenth from the right end. If $R$ is tenth from $P$ towards the right end and fourth from $Q$ towards right end. How many boys are there in the row?
a) 35
b) 36
c) 38
d) 40
e) None of these

Answer \& Explanation
Answer - c) 38
Explanation :
(14 person) $\mathrm{P}^{* * * * *} \mathrm{Q}^{* * *} \mathrm{R}$ (13 person)

- Akash is 5 ranks above sumit in a class of $\mathbf{3 0}$. If sumit rank is 15 th from the last. What is akash rank from the start?
a) 10
b) 11
c) 12
d) 13
e) None of these

Answer \& Explanation
Answer - b) 11
Explanation :
(10 students) AKASH **** sumit (14 person)

- In a row of girls facing north, $A$ is fourteenth from the left and $B$ is seventeenth from the right. $C$ who is third to the right of $A$ is also sixth to the left of $B$ in the row. How many girls are there in the row?
a) 36
b) 37
c) 38
d) 39
e) None of these

Answer \& Explanation
Answer - d) 39
Explanation :
(13 person) A * * C * * * * * B (16 person)

- In a group of 6 students $P, Q, R, S, T$ and $U$ each one having different height. $P$ is taller than $T$ but not as tall as $U . Q$ and $U$ are not the tallest and also $R$ is the shortest. Who is the tallest among them?
a) $P$
b) $S$
c) Q
d) $U$
e) None of these

Answer \& Explanation
Answer - b) S
Explanation :
$S>(Q, U)>P>T>R$

- There are 40 students in the class. Priya ranks 6th in the class among the girls and pankaj ranks

5th among the boys in the class. Priya is 2 ranks below pankaj in the class. Find the rank of pankaj in the class.
a) 8
b) 9
c) 10
d) 11
e) None of these

Answer \& Explanation
Answer - b) 9
Explanation :
GGGGG priya and BBBB pankaj.
(4 boys and 4 girls above pankaj)Pankaj * priya, so rank is 9th

- In a rows of students, $P$ is 12 th from the left end and $Q$ is 16 th from the right end. If they interchange their position then $Q$ becomes 23 rd from the right end. Find the number of students in the row.
a) 32
b) 33
c) 34
d) 35
e) None of these

Answer \& Explanation
Answer - c) 34
Explanation :
s(11 students) P $\qquad$ Q (15 students). After they interchange their position,
11 students Q (22 students) - so total students $=11+1+22=34$

- If amit finds that it is seventeenth from the right and eighteenth from the left in line facing north. How many persons should be added to the line such that there are 40 people in the line.
a) 5
b) 6
c) 8
d) 9
e) None of these

Answer \& Explanation
Answer - b) 6
Explanation :
$17+$ Amit $+16+X=40, X=6$
I. Directions(Q.No: 1-5)Study the following arrangement to answer the given questions

R \# T U 3 D \$ J @ B E 9 © W 1 AF \% P 24 QIN 6 M * Z 5

1. If all the numbers are dropped from the above arrangement, which of the following will be the ninth from the right end?
1.A
2.F
3.W
4.R
5.T

## Answer

$2 . F$
Explanation:
R \# TU3D\$J @ BE 9 © W1AF \% P 24 QIN 6 M * Z 5
Ninth from the right end $-F$
2. Which of the following will be the sixth to the left of the fourteenth from the left end of the above arrangement?
1.R
2.T
$3 . U$
4.J
5.None of these

## Answer

4.J

Explanation:
6th to the left of the 14th from the left end $->$ 8th from the left end
R \# TU3D\$J @ BE 9 © W1AF \% P 24 QIN 6 M * Z 5
3. Which of the following is the fifth to the right of the thirteenth to the left of $Q$ in the given arrangement?
1.W
2.@
$3 . U$
4.*
5.None of these

```
Answer
1.W
Explanation:
R#TU3D$J @ BE 9 © W1AF%P24QIN6M*Z5
13th to the left of Q - @
5th to the right of - W
```

4. How many such vowels are there in the above arrangement, each of which is immediately preceded by a consonant and immediately followed by a number?
1.None
2.One
3.Two
4.Three
5.Four

Answer
3.Two

Explanation :
TU3, BE9
5. How many such symbols are there in the above arrangement, each of which is immediately preceded and also immediately followed by consonant?
1.One
2.Two
3.Three
4.More than four
5.None

Answer
4. More than four

Explanation :
R\#T, D\$J, J@B, F\%P, M*Z
II. Directions(Q.No: 6-10) Study the following arrangement to answer the given questions Q 9 K \# P @ 3ENSAC*G © UM7FIV\%4Z8Y
6. If all the numbers are dropped from the above arrangement, which of the following will be the seventeenth from the right end?
1.E
2.P
3.1
4.C
5.@

## Answer

## 5.@

Explanation:
Q 9K \# P @ 3ENSAC*G © UM7FIV\%4Z8Y
7. Which of the following is the sixth to the left of the fifth to the left of "V"?
1.3
2.A
3.N
4.S
5.None of these

## Answer

4.5

Explanation:
sixth to the left of the fifth to the left of " V " - 11th to the left of V Q9K\#P@3ENSAC*G © UM7FIV \% 4Z8Y
8. Which of the following is the eighth to the right of the fourteenth from the left end of the above arrangement?
1.V
2.4
3.\%
4.E
5.None of these

```
Answer
3.%
Explanation :
8th to the right of 14th from the left - 6th from the left end - %
```

9. Four of the following five are alike in a certain way based on their positions in the above arrangement and so form a group. Which is the one that does not belong to that group?
1.IM\%
2.CNG
3.3\#N
4.UGC
5.GAU

## Answer

4.UGC
10. How many such symbols are there in above arrangement, each of which is immediately preceded by an alphabet and immediately followed by a number?
1.One
2.Two
3.Three
4.More than three
5.None

Answer
2.Two

Explanation :
P@3, V\%4
-
In a row of girls facing north, neha is 9 " to the left of niharika, who is 19 "from the right end. If nisha who is $15^{\text {" }}$ from the left end is $3^{\text {c }}$ to the right of neha, how many girls are there in the row?
a) 34
b) 37
c) 39
d) 41
e) None of these

Answer \& Explanation
Answer - c) 39
Explanation :
(11 girls) Neha - - Nisha (5 girls) Niharika (18 girls)
11 girls means before neha there are 11 girls, 5 girls means 5 girls between nisha and niharika and similarly 18 girls

- In a class of 75 students, the number of girls are twice the number of boys, Pankaj ranked $19^{\text {n }}$ from the top. If there are $\mathbf{1 0}$ girls ahead of pankaj, then the number of boys after him in rank.
a) 15
b) 16
c) 17
d) 18
e) None of these

Answer \& Explanation
Answer - b) 16
Explanation :
Number of girls are 50 and number of boys are 25.
If 10 girls ahead of pankaj, means only 8 boys are ahead of him so number of boys after him = 25-8-1 = 16

- Sumit is $8^{\text {th }}$ rank ahead of ravi in a class of 45 . If ravi rank from bottom is 19 then find the rank of sumit from beginning?
a) 17
b) 18
c) 19
d) 20
e) None of these

Answer \& Explanation
Answer - c) 19
Explanation :
Number of students between sumit and ravi is 7 . Number of students after ravi is $18^{\mathrm{t}}$. So rank of sumit from beginning = 45-7-18-1 (ravi) = 19 ${ }^{\text {th }}$

- In a row of students facing north $A$ is fifteenth from the left end and $B$ is seventh from the right end. If they interchange their positions, B would be $17^{\text {rifrom }}$ the right end. Find the number of students in the row.
a) 30
b) 31
c) 32
d) 33
e) None of these

Answer \& Explanation
Answer - b) 31
Explanation :
Initially there are 14 students to the left of A and after changing the position, there are 16 students to the right of $B$ so total students $=14+16+1=31$

- In a row of 21 boys when akash is shifted four places to the right, he becomes $\mathbf{1 2}^{\text {tr }}$ from the left end. What was akash earlier position from the right end
a) 10
b) 11
c) 13
d) 14
e) None of these

Answer \& Explanation
Answer - d) 14
Explanation :
after shifting - (11 students) akash (9 students)
Before shifting - (7 students) akash (13 students)

- A number of students are standing in a row facing north is such a way that a particular student is nineteenth from both the ends. So find the number of students in the class.
a) 36
b) 37
c) 38
d) 39
e) None of these

Answer \& Explanation
Answer - b) 37
Explanation :
(18 students) BOY (18 students) $=18+18+1=37$

- Prakash is 10 ranks above Nikhil who ranks 26 th in the class of 45 . What is prakash rank in the class from the beginning?
a) 14
b) 15
c) 16
d) 17
e) None of these

Answer \& Explanation
Answer - c) 16
Explanation :
Final arrangement => (15 students) prakash (9 students) Nikhil

- In a queue, $\mathbf{P}$ is seventeenth from the front while $\mathbf{Q}$ is nineteenth form the last. If $\mathbf{R}$ is twenty forth from the front and is exactly in the middle of $P$ and $Q$. Then find the number of people in the queue.
a) 47
b) 48
c) 49
d) 50
e) None of these

Answer \& Explanation
Answer - c) 49
Explanation :
(16 people) $P$ and $Q$ (18 people). Since $R$ is exactly in the middle and also $24^{\text {n }}$ from the front so, number of people between $P$ and $R$ is 6 . Similarly between $R$ and $Q$ is 6 . So total people $=16+P+6+R+6+Q+$ $18=49$

- If arun finds that it is seventeenth from the right and eighteenth from the left in line facing north. How many persons should be added to the line such that there are $\mathbf{5 0}$ people in the line.
a) 15
b) 16
c) 18
d) 21
e) None of these

Answer \& Explanation
Answer - b) 16
Explanation :
$17+$ Arun $+16+X=50, X=16$

- $A$ is eight from the left end and $B$ is sixteenth from the left end. $C$ who is fourth to the right of $A$ is sixth to the left of $B$. Find the total number of people in the row.
a) 31
b) 32
c) 33
d) 34
e) None of these

Answer \& Explanation
Answer - c) 33
Explanation :
(7 people) A - - - C - - - - - B (15 people) $=33$
Directions(Q.No: 1-5)Study the following arrangement to answer the given questions F 8Z* Q A \$ K 2 P 5 E © N 1 W @ Y3M \# 6 \& V \%9 RU !4D

1. How many such vowels are there in the above arrangement, each of which is immediately preceded by consonant and immediately followed by symbol ?
1.One
2.Two
3.Three
4.More than four
5.None

Answer \& Explanation
Answer - 2.Two
Explanation :
Q A \$, RU!
2. If all the symbols are dropped from the above arrangement, which of the following will be the eighteenth from the left end?
1.9
2.R
3.V
4.3
5.6

## Answer \& Explanation

Answer-3.V
Explanation :
F 8ZQ A K 2 P 5 EN 1 W Y3M 6 V 9 R U 4D
3. Four of the following five are alike in a certain way based on their positions in the above arrangement and so form a group. Which is the one does not belong to that group?
1.2Q8
2.15K
3.31E
4.631
5.963

## Answer \& Explanation

Answer-4.631
Explanation :
2-4 Q-3 8
1-4 5-3 K
3-41-3 E
6 -4 Y -3 1
4. Which of the following is the seventh to the right of the fourteenth from the right end of the above arrangement?
1.V
2.R
3.\%
4.9
$5 . U$

Answer \& Explanation
Answer-3.\%
Explanation :
$14 \mathrm{R}-7 \mathrm{R}=7 \mathrm{R}$
F8Z*QA\$K2P5E © N1 W @ Y 3 M \# 6 \& V \% 9RU!4D
5. Which of the following is fourth to the left of the eighth to the right of ' $W$ '?
1.6
2.3
3.M
4.E
5.None of these

## Answer \& Explanation

Answer-3.M
Explanation :
4 th to the left of the 8 th to the right of ' $Z$ ' $\rightarrow>4$ th to the right of $W-i . e$ " $M$ "

Direction: $\mathrm{Q}(6-10)$ Answer the following questions based on the arrangement given below:586425632364218813
6. What will be the resultant number if the second digit of the second lowest number is divided by the third digit of the highest number?
1.2
2.3
3.5
4.10
5.None of these

## Answer \& Explanation

Answer-1.2
Explanation :
The highest number is 813 .
The third digit of the highest number is 3 .
The second lowest number is 364 .
The second digit of the second lowest number is 6 .
Now, the required resultant $=6 \div 3=2$.
7. If the position of the first and second digits are interchanged then what is the difference between the highest and second lowest number?
1.420
2.582
3.673
4.545
5.None of these

Answer \& Explanation
Answer - 3.673
Explanation :
856245362634128183
$856-183=673$
8. If all the digits in each of the numbers are arranged in ascending order within the number, what will be the difference between the second highest and second lowest number?
1.218
2.220
3.208
4.225
5.None of these

## Answer \& Explanation

Answer-3.208
Explanation :
568245236346128138
$346-138=208$
9. If $\mathbf{1}$ is added to the first digit and $\mathbf{2}$ is subtracted from the last digit of each of the numbers and then the digits in each of the numbers are arranged in descending order within the number, then what will be the difference between the second digit of the second highest number and the third digit of the lowest number?
1.2
2.4
3.6
4.8
5.10

## Answer \& Explanation

Answer-2.4
Explanation :
1 is added to $1^{\text {st }}$ digit and 2 sub from last digit :684523 730462316911
Descending Order :864 532730642631911
Difference $=6-2=4$
10. If 1 is added to the last digit of each of the numbers then how many numbers thus formed will be divisible by three?
1.One
2.Two
3.Three
4.Four
5.More than four

Answer \& Explanation
Answer - 3.Three
Explanation :
587426633365219814
$426,633,219$ are divisible by three.
I. Directions(Q.No: 1-5)Study the following arrangement to answer the given questions

D 3 M \% R A \$ K 2 P 5 E © N 4 W @ F 8 Z \# $6 \& V$ * 9 QU! 1 Y

1. If all the symbols are dropped from the above arrangement, which of the following will be the seventeenth from the left end?
$1 . U$
2.F
3.V
4.9
5.6

## Answer

5.6

Explanation :
D 3 MRAK 2 P 5 EN 4 WF 8 Z 6 V 9 QU 1 Y
Seventeenth from the left end -6
2. Which of the following is fourth to the left of the eighth to the left of ' $Z$ '?
1.D
2.3
3.K
4.R
5. None of these

Answer-4.S

> Answer
> 3.K
> Explanation:
> 4th to the left of the 8th to the left of ' $Z$ ' $->12$ th to the left of $Z$ - i.e " $K$ "
> D 3 M \% R A \$K2P5E CN4W@F8Z\#6\&V * $9 Q U!1 Y$
3. Which of the following is the eighth to the right of the fourteenth from the right end of the above arrangement?
1.5
2.E
3.R
4.9
5.P

## Answer

4.9

Explanation :
8th to the right of the 14th from the right end $\rightarrow$ 6th from the right end
D 3 M \% RA \$K2P5E CN4W@F8Z\#6\&V*9QU!1Y
4. Four of the following five are alike in a certain way based on their positions in the above arrangement and so form a group. Which is the one does not belong to that group?
1.54\#
2.DAE
3.2©N
4.@\#9
5.\$5@

Answer
4.@\#9

Explanation :
5-4 4 +6 \#
D -4 A +6 E
2-4 © +6 N
@ -4 \# +5 9
\$-4 5 +6 @
5. How many such vowels are there in the above arrangement, each of which is immediately preceded by consonant and immediately followed by symbol ?
1.One
2.Two
3.Three
4. More than four
5.None

Answer
2.Two

Explanation :
R A \$, Q U !
II. Directions(Q.No: 6-10) Study the following arrangement to answer the given questions E 3 M \% R A \$ L 8 O 5 F © I4G@W7Z\#6 \& B * 9 Q U 41 S
6. Which of the following is third to the left of the ninth to the right of ' $I$ '?
1.6
2.\#
3.9
4.Q
5.None of these

## Answer

## 5.None of these

Explanation :
3th to the left of the 9th to the right of ' $I$ ' $\rightarrow$ 6 th to the right of $I->\mathbf{Z}$
E 3 M \% RA \$L8O5F©14G@W7Z\#6\&B*9QU41S
7. Which of the following is the eighth to the right of the fourteenth from the left end of the above arrangement?
1.6
2.\#
3.9
4.Q
5.None of these

## Answer

1.6

Explanation :
8th to the right of the 14th from the left end -22 nd from left end
E 3 M \% R A \$ L 8 O 5 F © I 4 G @ W 7 Z \# 6 \& B * 9 Q U 41 S
8. How many such numbers are there in the above arrangement, each of which is immediately preceded by a vowel and immediately followed by a consonant?
1.One
2.Two
3.Three
4.More than four
5.None

Answer
3.Three

Explanation :
E 3 M, O 5 F, I 4 G
9. What should come in the following series based on the above arrangement ?

3\$5 ©@Z?
1.E3M
2.6*U
3.6*Q
4.691
5.None

## Answer

## 3.6*Q

10. Insert " $T$ " after every third letter in the above series then what will be the 19 "lletter from the right end of the series ?
1.W
2.T
3.@
4.7
5.None

## Answer

1.W

Explanation :
E 3 MT \% RAT\$L8TO5FT@I4TG@WT7Z\#T6\&BT*9QTU41TS
19th letter from the right end $-W$
-


In a row of 20 girls, Shruti is sitting 5th from left end of the row and is also sitting 10th to left of Kareena. Pankhuri is sitting 8th from the right end of row. How many girls are sitting between Pankhuri and Kareena?
A) None
B) 1
C) 5
D) 3
E) 6

Answer \& Explanation
B) 1

Explanation:
Shruti is 5 th from left end, and Kareena is 10th to right of Shruti, so Kareena is 15 th from left end or 6th from right end of row. Pakhuri is 8 th from right end. So there is 1 girl between them.

- In a class of 45 students, Veena is placed at 31th position from the bottom and Kashish is 4 places above Veena. If Surbhi is 5 places above Kashish, then what is the rank of Surbhi in the class?
A) 3
B) 5
C) 6
D) 7
E) None of these

Answer \& Explanation
C) 6

Explanation:
Veena is 31 from bottom, Kashish 4 places above so she is 35 from bottom. Surbhi is 40 from bottom, so 6th from top

- Rita is sitting 5th from the left end of row and Sita is 11th to right of Rita with Tina being 4th to left of Sita. Madhuri is 8th to right of Tina. What is the total number of students in the row if Madhuri is sitting at the extreme end?
A) 12
B) 20
C) 28
D) 23
E) 33

Answer \& Explanation
B) 20

Explanation:
Rita is 5th from left, Sita 11th to right of Rita, so 16th from left end, Tina is 4th to left of Sita so Tina is 12th from left end. Now Madhuri is 8th to right of Tina, this means 20th from left, so 20 students

- Karuna is sitting 25th from the left end and Preeti is sitting 26th from the right end. Preeti is at 20th to the left of Karuna. What is the total number of students sitting in the row?
A) 28
B) 30
C) 21
D) 32
E) 26

Answer \& Explanation
B) 30

Explanation:
Karuna is 25th from left end and Preeti is 20th to left of Karuna so Preeti is 5th from left end and given 26th from right end, so total $=(5+26)-1$

- In a class of $\mathbf{2 0}$ students, Shreya is $\mathbf{5}$ from the top and Annie is $\mathbf{7}$ ranks below Shreya. Find Annie's rank from bottom.
A) 3
B) 5
C) 6
D) 9
E) None of these

Answer \& Explanation
D) 9

Explanation:
Annie is 12 ranks from top, so from bottom $=20-12+1$

- In a row of 30 children, $A$ is 11 th from the right end of row. If there are 4 children between $A$ and $B$, What is the position of $B$ from the left end of row?
A) 4
B) 6
C) 5
D) 8
E) Cannot be determined

Answer \& Explanation
E) Cannot be determined

Explanation:
Since it is not given that $B$ is left of $A$ or right of $A$, cant be determined.

- Prerna is 5th from the left end and Charu is 4th from the right of row. Charu interchanges her position with the one who is sitting 3rd to the right of Prerna and now Charu is 10th from the right end. How many children are there in the row?
A) 17
B) 18
C) 20
D) 15
E) 16

Answer \& Explanation
A) 17

Explanation:
Let A is 3 rd to right of Prerna, so Charu comes to his place so now charu is $(5+3)=8$ th from the left end and also she is 10th from the right end, so in total ( $8+10$ )-1

- Garima interchanges her position with the one who is 3 places away from Garima. Now Chinu is 5th to right of Garima and is 3rd from the right of the row. What is the position of Garima from the right end of row?
A) 9
B) 8
C) 10
D) 7

E) Data inadequate

Answer \& Explanation
B) 8

Explanation:
It is not given that Garima interchanges her position with left person or right person from her. So take with both the cases, we will get same answer.

- Shikha is 10 th from the top in a class with Ruhani being 16 th from the bottom. If there are 5 students between Shikha and Ruhani, how many total students are there in the class when no two students share the same rank?
A) 30
B) 31
C) 35
D) Data inadequate
E) None of these

Answer \& Explanation
D) Data inadequate

Explanation:
It is not given that Shikha is below Ruhani or above in rank, if we take both cases we get different answers so cant be determined.

- Ranveer is 5th from left end of row and Ranbir is 6th from right of row. If they interchange their positions, Ranbir becomes 16th from the right end. What is the total number of people in the row?
A) 21
B) 22
C) 20
D) 24
E) Data inadequate

Answer \& Explanation
C) 20

Explanation:
Ranbir becomes 16th from right and also this place is 5th from left end, so total ( $16+5$ ) -1

Direction: $\mathrm{Q}(1-5)$ Answer the following questions based on the arrangement given below:-
235762198438623911

1. If the position of the first and second digits are interchanged then what is the difference between the highest and second lowest number?
a) 555
b) 655
c) 455
d) 755
e) None of these

## Answer \& Explanation

Answer - b) 655
Explanation :
325672918348263191
so, difference $=918-263=655$
2. If all the digit in the numbers are written in reverse order then which number is the third largest number?
a) 762
b) 135
c) 235
d) 623
e) None of these

Answer \& Explanation
Answer - c) 235
Explanation :
532267891834326119
3. If all the numbers are arranged in ascending order then, then position of how many numbers remains unchanged?
a) none
b) one
c) two
d) three
e) None of these

## Answer \& Explanation

Answer - b) one
Explanation :
only 911
4. If the digits of all numbers are added then which number is the largest among them?
a) 235
b) 762
c) 198
d) 911
e) None of these

## Answer \& Explanation

Answer - c) 198
Explanation :
$198=18$ highest among all
5. If $\mathbf{1 0 0}$ is subtracted from all the numbers and then the number obtained are written in reverse order, then the lowest number is-
a) 235
b) 198
c) 911
d) 623
e) None of these

Answer \& Explanation
Answer - c) 911
Explanation :
After subtracting hundred we get 135662098338523811
And after arranging in reverse order-
531266890833325118
118 - Lowest number so answer is 911

Q(6-10) Study the following pattern and answer the questions below: 1 WE3 \$RT\%M94LSC\&FJ2 @UP7D5*OZC?
6. How many such numbers are there which are immediately followed by letter and immediately preceded by symbol?
a) more than three
b) one
b) two
d) three
e) None of these

## Answer \& Explanation

Answer - b) one
Explanation :
*OZ
7. How many such symbols are there which are immediately followed by number and immediately preceded by letter?
a) none
b) one
c) two
d) three
e) more than three

## Answer \& Explanation

Answer - a) none
Explanation :
No such arrangement is possible
8. If all the numbers and vowels are dropped in the above pattern then which is $9^{\text {th }}$ form the left end?
a) C
b) L
c) S
d) \&
e) None of these

## Answer \& Explanation

Answer - a) C

## Explanation :

W \$ RT\%MLSC\&FJ@PD * ZC?
9. Which among the following is third to the right of ninth from the right end?
a) *
b) $D$
c) 5
d) 0
e) None of these

## Answer \& Explanation

Answer - c) 5
Explanation :
1 WE 3 \$RT\%M94LSC\&FJ 2 @ UP 7 D 5 * OZC?
Ninth from the right end $=P$, so third to the right of $P=5$
10. Four of the following are alike in some manner, find the odd one?
a) 1 EW
b) 50 *
c) M 49
d) SCF
e) PD7

Answer \& Explanation
Answer - d) SCF
Explanation:
+2 and then -1 pattern is followed
$\mathrm{Q}(1-5)$ Answer the following questions based on the arrangement given below:-


1. How many such numbers are there which are immediately followed by a symbol and immediately preceded by letter?
a) one
b) two
c) three
d) more than three
e) None of these

Answer \& Explanation
Answer - b) two
Explanation :
A9\$ and L2\#
2. If all the symbols are dropped from the above arrangement, then which is ninth from the right end?
a) L
b) N
c) $B$
d) 2
e) None of these

## Answer \& Explanation

Answer-a) L
Explanation:
after symbols are removed- YX4CD6PSA9NL2BM75GF8
3. If every third element in the above series from the left end is omitted then which among the following is third to the left of seventh from the right end?
a) $S$
b) $A$
c) $\beta$
d) $\$$
e) None of these

Answer \& Explanation

```
Answer - c) }\boldsymbol{\beta
Explanation :
YX4@ D6SA$ \beta * L # B + 75 G 8 after omission.
```

4. If all the numbers immediately after symbols are multiplied by the number itself then what is the sum of these number?
a) 70
b) 80
C) 90
d) 100
e) None of these

## Answer \& Explanation

Answer - C) 90
Explanation :
$4,5,7$ are such numbers. So addition $=16+49+25=90$
5. How many such vowels are there which is immediately followed by consonants and immediately preceded by number?
a) none
b) one
c) two
d) three
e) more than three

## Answer \& Explanation

## Answer - a) none

Explanation :
there is no such vowel
$Q(6-10)$ Answer the following questions based on the arrangement given below:-
A 3 \$ M K 2 @ L 94 \% S E \# 6 J 1 L * X 7 B B $\mathbf{~} 8$ R
6. How many such symbols are there which is immediately followed by number and immediately followed by letter
a) none
b) one
c) two
d) three
e) Four

Answer \& Explanation
Answer - c) two
Explanation :
E\#6 and Z 88
7. How many numbers are there which is immediately followed by letter and preceded by symbol?
a) none
b) two
c) three
d) Four
e) more than three

## Answer \& Explanation

Answer - b) two
Explanation:
\#6J and 88 R
8. Which among the following is fifth to the right of the ninth from the left end?
a) 6
b) $S$
c) E
d) \#
e) None of these

Answer \& Explanation
Answer-d) \#
Explanation :
Ninth from the left end $=9$, so fifth to the right of $9=\#$
9. What will come in place of question mark?

A\$2 M29 @9S 4S6 ?
a) E6L
b) E\#L
c) EL6
d) \#J*
e) None of these

Answer \& Explanation
Answer - a) E6L
Explanation :
+2 and then +3 within word and +3 between two successive pair like $A$ and $M$ in $A \$ 2$ and M29
10. If all the numbers are dropped from the above sequence, then which element is eleventh from the right end?
a) S
b) E
c) \#
d) *
e) None of these

## Answer \& Explanation

Answer - b) E
Explanation :
A \$ M K @ L \% SE\#JL*X $\beta$ B Z $\delta$ R


