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Puzzle Test Questions for IBPS PO Pre, RRB Scale I Pre, SBI PO Pre, Syndicate Bank PO, Canara Bank PO, IBPS SO Pre, IBPS Clerk Mains and SBI Clerk Mains Exams.

Set No 143

Directions: Study the following information carefully and answer the questions given beside:

There are eight boxes from G to N which are placed one above the other. Each box has different number of chocolates among 58, 90, 60, 23, 67, 45, 89 and 15. The lowermost box is numbered as one and above as two and so on. All the above information is not necessarily in the same order.

The Box which has 45 chocolates and the Box which has 15 chocolates are placed adjacent to each other. Box G is placed above Box L. Box L position is odd number. Box M is placed two boxes above Box L. The number of chocolates in Box L is thrice the number of chocolates in Box N. Box M has 35 chocolates more than Box H. Box I is placed in topmost position. The difference of number of chocolates in Box I and Box K is 30. Box J has 89 chocolates. Box J is placed four boxes below Box M. Box I has even numbered chocolates which is less than Box K. Box G is placed in even number position below sixth Box. Box G has 44 chocolates more than Box H. Box H is placed above Box L. Box K is placed immediately below Box I.

1. Which box has 45 chocolates?

A. The box placed at 1st position
B. The box placed at 3rd position
C. The box placed at 4th position
D. The box placed at 5th position
E. None of the above

2. Which box is placed at 2nd position?.

A. Box K
B. Box J
C. Box H
D. Box N
E. None of the above

3. What is the sum of chocolates together of Box K and Box J?

A. 189
B. 180
C. 179
D. 38
E. 60

4. Which of the following statements is definitely true?

A. Number of boxes placed between K and H is same as the number of boxes placed between G and N.
B. Two boxes are placed between Box H and Box G.
C. Sum of chocolates together of Box M and Box G is more than the sum of chocolates together of Box K and Box L.
D. Box I, Box M, Box G and Box N are placed at even number position
E. None of these

5. If all the boxes are in arranged in alphabetical order from top to bottom and then how many boxes retain their same position?

A. One B. Two C. None D. Three E. Four

Correct Answers:

1	2	3	4	5
B	D	C	E	A

COMMON EXPLANATION:

References:

Box I is placed in topmost position.

Box K is placed immediately below Box I.

Box J is placed four boxes below Box M.

Box M is placed two boxes above Box L.

Box G is placed above Box L.

Box L position is odd number.

Box G is placed in even number position below sixth Box.

Box H is placed above Box L.

Box J has 89 chocolates.

Inferences:

From above statements,

Box I is placed in topmost position. Box K is placed immediately below Box I.
Box I is placed at 8^{th} position & Box K is placed at 7^{th} position.

Box J is placed four boxes below Box M. Box M is placed two boxes above Box L. Box G is placed above Box L. Box L position is odd number. Box G is placed in even number position below sixth Box. Box H is placed above Box L. Box J has 89 chocolates.

Here we get two possibilities:

Case 1: Box M is placed at 6th position and then Box J comes in 2nd position. Also Box L comes in 4th position which is not possible i.e. Box L should be placed in odd number position. Hence this case becomes invalid and can be eliminated.

Case 2: Box M is placed at 5th position and then Box J comes in 1st position. Then, Box L can be placed at 3rd position. Also Box G can be placed at 4th position (Given, Box G is placed at even number position above Box L). Finally Box H is placed at 6th position (Given, Box H is placed above Box L). At last remaining Box N is placed at 2nd position. Box J has 89 chocolates. All conditions satisfied.

By using all above information, we get the initial table as shown,

Case : 1 [Eliminated] Box L should be in Odd position		
Box Position	**Boxes**	**Number of Chocolates**
8	I	
7	K	
6	M	
5		
4	L	
3		
2	J	
1		

Case : 2		
Box Position	**Boxes**	**Number of Chocolates**
8	I	
7	K	
6	H	
5	M	
4	G	
3	L	
2	N	
1	J	89

References:

The Box which has 45 chocolates and the Box which has 15 chocolates are placed adjacent to each other.

The number of chocolates in Box L is thrice the number of chocolates in Box N.
Box M has 35 chocolates more than Box H.

Box G has 44 chocolates more than Box H.

The difference of number of chocolates in Box I and Box K is 30.

Box I has even numbered chocolates which is less than Box K.

Inferences:

From above statements,

Among given number of chocolates 58, 90, 60, 23, 67, 45, 89 and 15.

The Box which has 45 chocolates and the Box which has 15 chocolates are placed adjacent to each other. The number of chocolates in Box L is thrice the number of chocolates in Box N.

Given, Box L = 3 × Box N

Among given numbers only 15 and 45 satisfies this condition

That is Box N = 15 and then

Box L = 3 × 15 = 45

So as per condition, Box N and Box L have 15 and 45 chocolates respectively and it is placed adjacent each other.

Box M has 35 chocolates more than Box H. Box G has 44 chocolates more than Box H.
Given, Box M = 35 + Box H

Box G = 44 + Box H

Among given numbers only 23 satisfies this condition

That is Box H = 23 and then
Box M = 35 + 23 = 58

Box G = 44 + 23 = 67

Therefore Box H, Box M and Box G have 23, 58 and 67 chocolates respectively.

The difference of number of chocolates in Box I and Box K is 30. Box I has even numbered chocolates which is less than Box K.

Remaining numbers left are 60 and 90.

Given, Box I< Box K.

Therefore Box I and Box K have 60 and 90 chocolates respectively

(Difference K – I = 90 – 60 = 30).

All conditions gets satisfied and we get the completed table,

Case : 2		
Box Position	**Boxes**	**Number of Chocolates**
8	I	60
7	K	90
6	H	23
5	M	58
4	G	67
3	L	45
2	N	15
1	J	89

Answers :

1. The following common explanation, we get "**Box L-45 chocolates-3rd position**".

Hence, option B is correct.

2. The following common explanation, we get "**Box N-15 chocolates-2nd position**".

Hence, option D is correct.

3. The following common explanation, we get "**179 i.e. Box K = 90, Box J = 89**".

Sum = 90 + 89 = 179

Hence, option C is correct.

4. The following common explanation, we get "**None of these**".

All statements are false.

Hence, option E is correct.

5. The following common explanation, we get "**One i.e. Only Box L retain the 3rd position**".

Case : 2			
Box Position	**Boxes**	**Number of Chocolates**	**Alphabetical order**
8	I	60	G
7	K	90	H
6	H	23	I
5	M	58	J
4	G	67	K
3	L	45	L
2	N	15	M
1	J	89	N

Hence, option A is correct.