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Puzzle Test Questions for SBI PO Pre, IBPS PO Pre, IBPS Clerk Mains and SBI Clerk Mains Exams.

Set No 99

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

Eight boxes – P, Q, R, S, T, U, V and W were placed in an almirah of eight shelves. The bottom shelf was numbered 1 and the topmost shelf was numbered 8. Each of these boxes contained different amount of Sugar – 25 kg, 20 kg, 17 kg, 10 kg, 8 kg, 5 kg, 2 kg and 1 kg but not necessarily in the same order.

Box V was placed at one of the even numbered shelves and contained 17 kg of Sugar. The box which was placed on 6th shelf contained 10 kg of Sugar. Box Q was placed immediately below the box which contained 8 kg of Sugar and immediately above the box which contained 2 kg of Sugar. Box R was not the lightest and Box U, was the heaviest. Box R was placed above the shelf on which Box U was placed but not on the even numbered shelf. Box P, contained 20 kg of Sugar, and was placed either at the top or bottom shelf. There are three boxes between Box U and Box S and Box S was placed below the shelf on which Box U was placed. T was placed immediately above the box which was heaviest.

1. How many box(es) were placed above the box which contained 25 Kg of Sugar?

- A. None B. One C. Two D. Three E. More than three

2. What amount of Sugar was contained by Box Q?

- A. 8 Kg B. 1 Kg C. 5 Kg D. 2 Kg E. None of these

3. How many boxes were placed between the box which contained 5 kg of Sugar and the box which contained 1 kg of Sugar?

- A. More than three B. None C. One D. Two E. Three

4. Which of the following combinations is correct?

- A. 7 – R – 8 Kg B. 1 – P – 20 Kg C. 2 – Q – 1 Kg D. 6 – V – 17 Kg E. None is correct

5. Four of the following five are alike in some way and hence form a group. Which of the following is the one that does not belong to the group?

- A. V B. Q C. R D. U E. T

Correct Answers:

1	2	3	4	5
D	B	A	C	E

Common explanation:

Reference:

Eight boxes – P, Q, R, S, T, U, V and W are placed in an almirah of eight shelves. The bottom shelf is numbered one and the topmost shelf is numbered 8. Each of these boxes contain different amount of Sugar – 25 kg, 20 kg, 17 kg, 10 kg, 8 kg, 5 kg, 2 kg and 1 kg but not necessarily in the same order.

Inference:

We will keep this information in mind while solving the puzzle.

Reference:

The box which was placed on 6th shelf contained 10 kg of Sugar.

Inference:

Using the above hints, we have:

Floor	Box	Weight
8		
7		
6		10 Kg
5		
4		
3		
2		
1		

Reference:

Box R was not the lightest and Box U, was the heaviest.

There are three boxes between Box U and Box S and Box S was placed below the shelf on which Box U was placed.

T was placed immediately above the box which was heaviest.

Inference:

Here, we have two possible scenarios in which we can use the above hints accordingly.

Case 1:

Floor	Box	Weight
8		
7		
6	T	10 Kg
5	U	25 Kg
4		
3		
2		
1	S	

Case 2:

Floor	Box	Weight
8	T	
7	U	25 Kg
6		10 Kg
5		
4		
3	S	
2		
1		

Here, we will make a mental note of information that Box R was not the lightest.

Reference:

Box R was placed above the shelf on which Box U was placed but not on the even numbered shelf. Box P, contained 20 kg of Sugar, and was placed either at the top or bottom shelf.

Inference:

At this point we cannot use the above hints in case 2 so we can say that **case 2 is an invalid case.**

Case 1:

Floor	Box	Weight
8	P	20 Kg
7	R	
6	T	10 Kg
5	U	25 Kg
4		
3		
2		
1	S	

Reference:

Box Q was placed immediately below the box which contained 8 kg of Sugar and immediately above the box which contained 2 kg of Sugar.

Inference:

Here, we have two possible scenarios in which we can use the above hints in case 1 accordingly.

Case 1-A:

Floor	Box	Weight
8	P	20 Kg
7	R	
6	T	10 Kg
5	U	25 Kg
4		
3		8 Kg
2	Q	
1	S	2 Kg

Case 1-B:

Floor	Box	Weight
8	P	20 Kg
7	R	
6	T	10 Kg
5	U	25 Kg
4		8 Kg
3	Q	
2		2 Kg
1	S	

Reference:

Box V was placed at one of the even numbered shelves and contained 17 kg of Sugar.

Inference:

At this point we cannot fix the position of box V according to the above hints in case 1-B so we can say that **case 1-B is an invalid case.**

Case 1-A:

Floor	Box	Weight
8	P	20 Kg
7	R	
6	T	10 Kg
5	U	25 Kg
4	V	17 Kg
3		8 Kg
2	Q	
1	S	2 Kg

As we have already figured out that box R was not the lightest so we can say that box R contained 5 Kg of Sugar and box Q contained 1 Kg of Sugar.

Case 1-A:

Floor	Box	Weight
8	P	20 Kg
7	R	5 Kg
6	T	10 Kg
5	U	25 Kg
4	V	17 Kg
3	W	8 Kg
2	Q	1 Kg
1	S	2 Kg

Answers :

- 1.** Following the final solution we can say that
Three boxes were placed above the box which contained 25 Kg of Sugar.

Hence, the correct answer is option **D**.

- 2.** Following the final solution we can say that
Box Q contained 1 Kg of Sugar.

Hence, the correct answer is option **B**.

- 3.** Following the final solution we can say that
Four boxes were placed between the box which contained 5 kg of Sugar and the box which contained 1 kg of Sugar.

Hence, the correct answer is option **A**.

- 4.** Following the final solution we can say that
four boxes 2 – Q – 1 Kg is the correct combination.

Hence, the correct answer is option **C**.

- 5.** Following the final solution we can say that
Box T is the one that does not belong to the group because of all the boxers given in the options Box T is the only one which contained even (10 kg) amount of Sugar.

Hence, the correct answer is option **E**.



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