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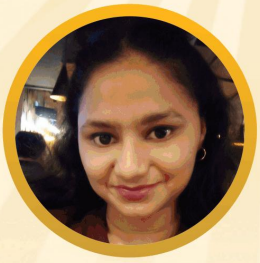

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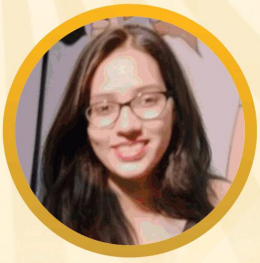

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Puzzle Test Questions for IBPS PO Mains, SBI PO Mains and RBI Grade B Exams.

Set No 45

Directions: Read the given information carefully and answer the questions given beside:

In a garment showroom there is wall which has seven different color shelves, namely - Black, Red, Green, Yellow, Orange, Purple and White. These shelves contained some T-Shirts and Jeans. The number of T-Shirts and Jeans varied between 1 and 7 but not necessarily in the same order. Each shelf contains at least 1 T-shirt and 1 Jean, and no two or more shelves contain same number of T-Shirts and Jeans. So in this way each shelf has a different total cost price i.e. 930, 1250, 1370, 1390, 1820, 2320 and 2770 but not necessarily in the same order. The wall is facing in the south direction.

The difference in the total cost of shelves is Rs. 120 between a shelf which is at the right corner and a shelf which is third from the right corner. A shelf which is immediate right of the one having cost of Rs.1820 has 6 T-Shirts which is three times of orange colored shelf's T-Shirts. Neither Rs.1370 nor Rs.1390 cost's shelf is a red colored shelf. The shelf which has 7 T-Shirts is a purple colored shelf. Red colored Shelf has more T-Shirts than Black colored shelf. The total cost of green colored shelf is Rs.2320. Neither of the selves which costs Rs.1250 nor Rs.1370 have two Jeans. White colored shelf is third to the left of that shelf which is having total cost of Rs.1370 and has two Jeans more than the orange colored shelf. The shelf which has three T-Shirts and seven Jeans is third to the left of a shelf which costs Rs.930. Red and Black colored shelves have one and three Jeans respectively.

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The shelf which is third to the right of that shelf, which costs Rs.1390, has seven T-Shirts and two Jeans.The shelf which has four T-Shirts is not at any corner.Red colored shelf is fourth to the right of that shelf which has four T-Shirts. The difference in the shelves between orange and yellow colored shelves is same as the difference between yellow and green colored shelves.The shelf having total cost of Rs.1370 is third from the right corner.Green colored shelf is not at immediate left or right of neither Red nor at any corner.

1. Which of the following shelf's cost is the highest?

A. The one which has 7 Jeans
B. Black colored shelf
C. White colored shelf
D. The one which has 5 T-Shirts
E. None of these

2. What is the position of green shelf with respect to the shelf that has 5 T-Shirts?

A. Third to the left
B. Third to the right
C. Immediate left
D. Cannot be determined
E. None of these

3. If we change the T-Shirts of yellow colored shelf with Black colored shelf, what will be the total number of product of Black colored shelf?

A. 7
B. 9
C. 8
D. 6
E. None of these

4. What is the total cost of purple colored Shelf?

A. 1370 B. 1390 C. 1250 D. 1820 E. None of these

5. Which of the following shelf has the highest no. of Jeans?

A. The shelf which cost is RS.1250 B. Red colored shelf C. Black colored shelf
D. The shelf which cost is RS.2320 E. None of these

Correct Answers:

1	2	3	4	5
C	A	B	D	D

Common explanation:

Reference:
The shelf having total cost of Rs.1370 is third from the right corner.
The difference in the total cost of shelves is Rs. 120 between a shelf which is at the right corner and a shelf which is third from the right corner.

Inference:
We know that, the wall is facing in the south direction, so, indicate the right and left corners accordingly.
Now, fix the self having cost of Rs. 1370. As, 1370-120 = 1250 so:

Right side							Left side
Color:							
No. of products:							
Total cost:	1250		1370				
Hint:							

Reference:

Red colored shelf is fourth to the right of that shelf which has four T-Shirts.
The shelf which has four T-Shirts is not at any corner.

Inference:
As, we are not sure about the exact place of four T-Shirts so we have to make two cases:

Right side							Left side
Color:		**Red**					
No. of products:						4T+	
Total cost:	1250		1370				
Hint:	4T x						4T x

Right side							Left side

Color:	**Red**						
No. of products:					4T+		
Total cost:	1250		1370				
Hint:	4T x						4T x

Reference:

The shelf which is third to the right of that shelf, which costs Rs.1390, has seven T-Shirts and two Jeans.
Neither of the selves which costs Rs.1250 nor Rs.1370 have two Jeans.
Red and Black colored shelves have one and three Jeans respectively.

Inference:

Right side	Case 1						Left side
Color:		**Red**					
No. of products:		1J		2J		4T+	
Total cost:	1250		1370				1390
Hint:	2J, 4T x		2j-x				4T x

Right side	Case 2 A						Left side
Color:	Red						
No. of products:	1J			7T + 2J	4T+		
Total cost:	1250		1370				1390
Hint:	2J, 4T x		2J-x				4T x

Right side	Case 2 B						Left side
Color:	**Red**						
No. of products:	1J	7T+2J			4T+		
Total cost:	1250		1370		1390		
Hint:	2J, 4T x		2J-x				4T x

Reference:

The shelf which has 7 T-Shirts is a purple colored shelf.

Inference:

Right side	Case 1	Left

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							side
Color:		**Red**		**Purple**			
No. of products:		1J		7T + 2J		4T+	
Total cost:	1250		1370				1390
Hint:	2J, 4T x		2j-x				4T x

Right side	Case 2 A						Left side
Color:	**Red**			**Purple**			
No. of products:	1J			7T + 2J	4T+		
Total cost:	1250		1370				1390
Hint:	2J, 4T x		2J-x				4T x

Right side	Case 2 B						Left side
Color:	**Red**	**Purple**					
No. of products:	1J	7T+2J			4T+		
Total cost:	1250		1370		1390		
Hint:	2J, 4T x		2J-x				4T x

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Reference:

White colored shelf is third to the left of that shelf which total cost is RS.1370 and has two Jeans more than the orange colored shelf.

Inference:

Right side	Case 1						Left side
Color:		**Red**		**Purple**		**White**	
No. of products:		1J		7T + 2J		4T+	
Total cost:	1250		1370				1390
Hint:	2J, 4T x		2j-x				4T x

Right side	Case 2 A						Left side
Color:	**Red**			**Purple**		**White**	
No. of products:	1J			7T + 2J	4T+		
Total cost:	1250		1370				1390
Hint:	2J, 4T x		2J-x				4T x

Right side	Case 2 B						Left side
Color:	**Red**	**Purple**				**White**	
No. of products:	1J	7T+2J			4T+		
Total cost:	1250		1370		1390		
Hint:	2J, 4T x		2J-x				4T x

Reference:

Green colored shelf is not at immediate left or right of Red nor at any corner.

The total cost of green colored shelf is Rs.2320.

Inference:

Right side	Case 1						Left side
Color:		**Red**		**Purple**	**Green**	**White**	
No. of products:		1J		7T + 2J		4T+	
Total cost:	1250		1370		2320		1390
Hint:	2J, 4T x		2j-x				4T x

Right side	Case 2 A						Left side
Color:	**Red**			**Purple**	**Green**	**White**	
No. of products:	1J			7T + 2J	4T+		
Total cost:	1250		1370		2320		1390
Hint:	2J, 4T x		2J-x				4T x

Right side	Case 2 B	Left

							side
Color:	**Red**	**Purple**		**Green**		**White**	
No. of products:	1J	7T+2J			4T+		
Total cost:	1250		1370	2320	1390		
Hint:	2J, 4T x		2J-x				4T x

Reference:

The difference in the shelves between orange and yellow colored shelves is same as the difference between yellow and green colored shelves.

Inference:

Case 2A and Case 2 B fails here.

Right side	Case 1						Left side
Color:	Orange	**Red**	**Yellow**	**Purple**	**Green**	**White**	
No. of products:		1J		7T + 2J		4T+	
Total cost:	1250		1370		2320		1390
Hint:			2j-x				

Reference:

The shelf which has three T-Shirts and seven Jeans is third to the left of a shelf which costs Rs.930.

Inference:

So, Red shelf costs Rs. 930.

Right side	Case 1						Left side
Color:	Orange	**Red**	**Yellow**	**Purple**	**Green**	**White**	
No. of products:		1J		7T + 2J	3T + 7J	4T+	
Total cost:	1250	930	1370		2320		1390
Hint:			2j-x				

Reference:

A shelf which is immediate right of the one having cost of Rs.1820 has 6 T-Shirts which is three times of orange colored shelf's T-Shirts.

Inference:

So, orange colored shelf have 2T shirts.

Right side	Case 1						Left side
Color:	Orange	**Red**	**Yellow**	**Purple**	**Green**	**White**	
No. of products:	2T	1J	6T +	7T + 2J	3T + 7J	4T+	
Total cost:	1250	930	1370	1820	2320		1390
Hint:							

Reference:

Red colored Shelf has more T-Shirts than Black colored shelf.

Inference:
So, Red colored shelf consists 5 t shirts.

Right side	Case 1						Left side
Color:	Orange	**Red**	**Yellow**	**Purple**	**Green**	**White**	**Black**
No. of products:	2T	1J + 5T	6T +	7T + 2J	3T + 7J	4T+	1T +
Total cost:	1250	930	1370	1820	2320	2770	1390
Hint:							

Reference:

White colored shelf is third to the left of that shelf which total cost is RS.1370 and has two Jeans more than the orange colored shelf.
Red and Black colored shelves have one and three Jeans respectively.

Inference:
Orange shelf must be consisting 4 Jeans and hence, White shelf have 6 Jeans.

Final table:

Right side							Left side
Color:	Orange	**Red**	**Yellow**	**Purple**	**Green**	**White**	**Black**
No. of products:	2T + 4J	1J + 5T	6T + 5J	7T + 2J	3T + 7J	4T+ 6J	1T + 3J
Total cost:	1250	930	1370	1820	2320	2770	1390

Answers :

1. From the common explanation, we get
White colored shelf is of highest cost.
Option C, is hence the correct answer.

2. From the common explanation, we get
Position of green shelf with respect to the shelf that has 5 T-Shirts is third to the left.
Option A, is hence the correct answer.

3. From the common explanation, we get
9 will be the total number of product of Black colored shelf.
Option B, is hence the correct answer.

4. From the common explanation, we get
Total cost of purple colored Shelf is 1820.
Option D, is hence the correct answer.

5. From the common explanation, we get
The shelf having cost of Rs.2320 have highest no. of jeans.
Option D, is hence the correct answer.

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