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# Puzzle test for IBPS Clerk Mains, SBI Clerk Mains, IBPS PO Pre and SBI PO Pre Exams.

## PT Set No 180

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

There are a certain number of floors in a building. No floor is vacant. Only one person stays on each floor. Either person's age or person's name is given but not both among those who are living in the floors (Example: If P lives in 1st floor, his/her age is not given similarly the one whose age is 10 lives in 2nd floor, his/her name is not given). Lowermost floor is numbered as one and above is two and so on.

There are three floors between Edwin's floor and the floor of the one whose age is 12, lives.

The one, whose age is 30, lives immediately below Edwin's floor.

There are two floors between the one whose age is 12, lives and the one whose age 17, lives.

The one, whose age is 8, lives just above Fahat's floor.

The one, whose age is 17, lives just above the Arun's floor.

The age of the person, who lives in the lowermost floor is not given.

Charan lives on the floor which is three floors above the floor of the one, whose age is 8, lives.

The one, whose age is 27, lives immediately below the Charan's floor.

**1. Four of the following five are alike in a certain way and hence form a group. Which of the following does not belong to the group?**

A. The one whose age is 30

B. The one whose age is 27

C. The one whose age is 8

D. The one whose age is 12

E. The one whose age is 17

**2. Whose age is 17?**

A. The one who lives in 7th floor

B. The one who lives in 5th floor

C. The one who lives in 2nd floor

D. The one who lives in 8th floor

E. Can't be determined

**3. Who among the following lives on the floor that is second to the below of Edwin's floor?**

- A. Charan      B. The one whose age is 8      C. Fahat      D. The one whose age is 27  
E. None of the above

**4. How many floors are there between Fahat and Edwin?**

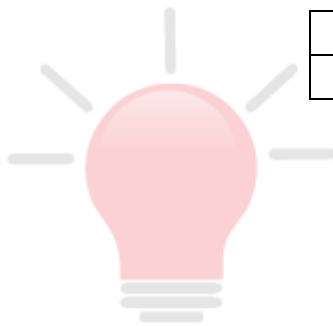
- A. One      B. Two      C. Three      D. Four      E. Five

**5. What is the sum of the age of the persons living in the odd numbered floors?**

- A. 25      B. 20      C. 39      D. 29      E. None of the above

**Correct Answers:**

1	2	3	4	5
D	C	A	E	E



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## Common explanations :

### References:

There are a certain number of floors in a building.

No floor is vacant. Only one person stays on each floor.

Either person's age or person's name is given but not both among those who are living in the floors (Example: If P lives in 1<sup>st</sup> floor, his/her age is not given similarly the one whose age is 10 lives in 2<sup>nd</sup> floor, his/her name is not given.

### Inferences:

From above statements, it is clear that on each floor is occupied with some person whose name or age is given in the question but not both.

Also it is given that no floor is vacant. Therefore we can easily determine the number of floors by counting the name of the person and age of the person from the given statement.

### References:

There are three floors between Edwin's floor and the floor of the one whose age is 12, lives.

The one, whose age is 30, lives immediately below Edwin's floor.

There are two floors between the one whose age is 12, lives and the one whose age 17, lives.

The one, whose age is 8, lives just above Fahat's floor.

The one, whose age is 17, lives just above the Arun's floor.

The age of the person, who lives in the lowermost floor is not given.

Charan lives on the floor which is three floors above the floor of the one, whose age is 8, lives.

The one, whose age is 27, lives immediately below the Charan's floor.

### Inferences:

From all above statements, it is clear that 4 person's names and 5 people's age are given. The names of the persons are Edwin, Fahat, Arun and Charan. The ages of the person are 12, 17, 30, 8 and 27.

Therefore we can conclude that there are 9 floors in the building.



Floors	Person	Age
9		
8		
7		
6		
5		
4		
3		
2		
1		

#### References:

The age of the person, who lives in the lowermost floor is not given.

Charan lives on the floor which is three floors above the floor of the one, whose age is 8, lives.

The one, whose age is 30, lives immediately below Edwin's floor.

#### Inferences:

From all above statements,

From 1<sup>st</sup> reference point, it is clear that the name of the one, who lives in the 1<sup>st</sup> floor, is given in the statement.

From 2<sup>nd</sup> reference point, it is clear that Charan doesn't live in the 1<sup>st</sup> floor.

From 3<sup>rd</sup> reference point, it is clear that Edwin doesn't live in the 1<sup>st</sup> floor.

Therefore we conclude that, either Fahat or Arun lives in the 1<sup>st</sup> floor. Thus we get 2 possibilities.

By using above information we get the following table,

Case-1			Case-2		
Floors	Person	Age	Floors	Person	Age
9			9		
8			8		
7			7		
6			6		
5			5		
4			4		
3			3		
2			2		
1	Fahat		1	Arun	

### References:

The one, whose age is 8, lives just above Fahat's floor.

Charan lives on the floor which is three floors above the floor of the one, whose age is 8, lives.

The one, whose age is 27, lives immediately below the Charan's floor.

There are three floors between Edwin's floor and the floor of the one whose age is 12, lives.

The one, whose age is 30, lives immediately below Edwin's floor.

There are two floors between the one whose age is 12, lives and the one whose age 17, lives.

The one, whose age is 17, lives just above the Arun's floor.

### Inferences:

From all above statements,

**Case-1:** The one, whose age is 8, lives on 2<sup>nd</sup> floor (immediately above Fahat's floor, reference point-1). Here Charan lives on the 5<sup>th</sup> floor (3 floors above the floor of the one, whose age is 8, lives, reference point-2). The one, whose age is 27, lives immediately below the Charan's floor i.e. 4<sup>th</sup> floor (reference point-3).

By combining 4<sup>th</sup> and 5<sup>th</sup> reference point, we get only possibility i.e. Edwin lives on 7<sup>th</sup> floor, the one whose age is 12, lives on 3<sup>rd</sup> floor, the one, whose age is 30, lives on 6<sup>th</sup> floor.

Now, there is no place for the one whose age 17, lives as per 6<sup>th</sup> reference point i.e. 2 floors are there between the one whose age is 12, lives and the one whose age 17, lives. Therefore this case become invalid and it can be eliminated.

**Case-2:** The one, whose age is 17, lives on 2<sup>nd</sup> floor (immediately above Arun's floor, reference point-7). The one whose age is 12, lives on 5<sup>th</sup> floor (2 floors are there between the one whose age is 12, lives and the one whose age 17, lives-reference point-6).

Now, Edwin lives on 9<sup>th</sup> floor (reference point-4, only possibility). The one, whose age is 30, lives on 8<sup>th</sup> floor (immediately below Edwin's floor, reference point-5)

By combining 1<sup>st</sup> and 2<sup>nd</sup> reference point, we get only possibility i.e. Fahat lives on 3<sup>rd</sup> floor, the one, whose age is 8, lives on 4<sup>th</sup> floor and Charan lives on 7<sup>th</sup> floor.

Finally, as per 3<sup>rd</sup> reference point the one, whose age is 27, lives on 6<sup>th</sup> floor (immediately below the Charan's floor). All the conditions satisfied and we get the final table.

Case-1 [Eliminated] 6 <sup>th</sup> reference point not satisfied			Case-2		
Floors	Person	Age	Floors	Person	Age
9			9	Edwin	-
8			8	-	30
7	Edwin		7	Charan	-
6		30	6	-	27
5	Charan	-	5	-	12
4	-	27	4	-	8
3	-	12	3	Fahat	-
2	-	8	2	-	17
1	Fahat	-	1	Arun	-



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**Answers :**

1. Following the common explanation, we get "The, one whose age is 12, lives in the odd numbered (5th) floor".

Remaining 4 person given are living in even numbered floor

Hence, option D is correct.

2. Following the common explanation, we get "The one who lives in 2nd floor".

Hence, option C is correct.

3. Following the common explanation, we get "Charan lives on the floor that is second to the below of Edwin's floor".

Hence, option A is correct.

4. Following the common explanation, we get "Five".

There are 5 floors between Fahat and Edwin

Hence, option E is correct.

5. Following the common explanation, we get "None of above".

Only the one, whose age is 12, lives in the odd numbered (5th) floor.

Hence, option E is correct.



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