1 LAKH + SELECTED ASPIRANTS CHOSE SMARTKEEDA

NOW IT'S YOUR TURN!

2024 ACHIEVERS

RIYA BAISHYA
(IBPS PO & CLERK 2024)

SURBHI
(IBPS CLERK)

MUSKAN PARWEEN
(IBPS CLERK 2024)

KARMANPREET KAUR
(IBPS PO 2024)

ADITYA LODHI
(IBPS CLERK 2024)

SANCHITA KARMAKAR
(IBPS CLERK 2024)

S MOUNIKA
(IBPS PO 2024)

DIVYANSH NARAIN
(IBPS PO 2024)

PARWINDER SINGH
(IBPS CLERK 2024)

ANKITA PAUL
(IBPS CLERK 2024)

YASHIKA BHARDWAJ
(IBPS PO 2024)

DUSHYANT RATHORE
(IBPS PO 2024
IBPS CLERK 2024)

Best of SmartKeeda

- Mock Tests
- CA Mockdrill
- Speed Drills
- Topic Tests
- Sectionals
- Smart Video Course

USE CODE **FEST25** for 10% OFF

SmartKeeda
The Question Bank

CA MOCKDRILL PRO

भूलना मना है!

Pro Features

- NEWS IN THE FORM OF FLASHCARDS
- CHAPTER-WISE SEGREGATION OF NEWS ON A MONTHLY BASIS
- SMART 350 NEWS ON A MONTHLY BASIS
- QUESTIONS BASED ON EACH & EVERY CRUCIAL INFO GIVEN IN NEWS
- DIGITAL, FINANCIAL AWARENESS & RBI CIRCULARS
- INCORRECT ANSWERS REAPPEAR UNTIL YOU GET THEM RIGHT
- AI-POWERED WEEKLY & MONTHLY REVISIONS
- BILINGUAL (ENG + HINDI)

POWER-UP YOUR CA

www.smartkeeda.com | testzone.smartkeeda.com

Puzzle Questions for IBPS RRB Scale-I (Mains) Exams.

Set No 215

Directions: Study the following passage carefully and answer the question given below it.

A certain number of floors are there in a high tower building in a posh area. Several millionaires live in that building on different floors. The bottom most floor is 1st floor, above it is 2nd floor and so on. The information about only a few floors is known.

Ratan lives on a floor adjacent to both Anil and Aditya. Radhakishan lives on a floor number which is half the floor number on which Rakesh lives. There are five persons living between Sunil and Mukesh. The number of floors above Rakesh is same as the number of floors below Sunil. Sunil lives on a floor number which is thrice the floor number on which Rakesh lives. The number of floors between Anil and Sunil is same as the number of floors between Rakesh and Radhakishan, and Anil lives above Sunil. No more than two floors are there below the floor on which Radhakishan lives. Aditya doesn't live on a floor adjacent to Sunil.

1. How many floors are there in the building?

A. 18 B. 15 C. 23 D. 25 E. None of these

2. On which floor does Sunil live?

A. 21st B. 18th C. 12th D. 15th E. None of these

3. How many floors are between the floors on which Ratan and Mukesh live?

A. 9 B. 11 C. 10 D. 12 E. 8

4. How many floors are there below the floor on which Rakesh lives?

A. Four B. Two C. Three D. Five E. More than Five

5. How many floors are there between the floors on which Radhakishan and Aditya live?

A. 20 B. 21 C. 12 D. 19 E. 15

Smartkeeda
The Question Bank

Correct Answers:

1	2	3	4	5
C	B	A	D	D

Smartkeeda
The Question Bank

Common Explanation (1-5):

Final arrangement:

Floors	Persons
23	Aditya
22	Ratan
21	Anil
20	
19	
18	Sunil
17	
16	
15	
14	
13	
12	Mukesh
11	
10	
9	
8	
7	
6	Rakesh
5	
4	
3	Radhakishan
2	
1	

Smartkeeda
The Question Bank

Common Explanation:

References:

No more than two floors are there below the floor on which Radhakishan lives.

Radhakishan lives on a floor number which is half the floor number on which Rakesh lives.

The number of floors above Rakesh is same as the number of floors below Sunil.

The number of floors above Rakesh is same as the number of floors below Sunil.

There are five persons living between Sunil and Mukesh.

Sunil lives on a floor number which is thrice the floor number on which Rakesh lives.

Inferences:

Follow above references step by step and we get the following table,

No more than three floors are there below the floor on which Radhakishan lives. So, there are three cases possible.

Case 1:

If Radhakishan lives on 1^{st} floor, Rakesh will live on 2^{nd} floor.

Sunil lives on a floor number which is thrice the floor number on which Rakesh lives. So, Sunil lives on 6^{th} floor.

The number of floors above Rakesh and the number of floors below Sunil is same. So, there are total 7 floors in this case.

This case is wrong because it is given that five persons live between Sunil and Mukesh.

Floors	Persons (Wrong)
7	
6	Sunil
5	
4	
3	
2	Rakesh
1	Radhakishan

Case 2:

If Radhakishan lives on 2nd floor, Rakesh will live on 4th floor.

If Rakesh is on 4th floor then Sunil must be on 12th floor. And there must be total 15 floors.

And 5 persons live between Sunil and Mukesh. So, Mukesh lives on 6th floor.

Smartkeeda
The Question Bank

Floors	Persons
15	
14	
13	
12	Sunil
11	
10	
9	
8	
7	
6	Mukesh
5	
4	Rakesh
3	
2	Radhakishan
1	

Case 3:

If Radhakishan lives on 3rd floor, Rakesh will live on 6th floor. Thus, Sunil must live on 18th floor and total 23 floors are there.

And Mukesh must be living on 12th floor.

Floors	Persons
23	
22	
21	
20	
19	
18	Sunil
17	
16	
15	
14	
13	
12	Mukesh
11	
10	
9	
8	
7	
6	Rakesh
5	
4	
3	Radhakishan
2	
1	

Smartkeeda
The Question Bank

References:

The number of floors between Anil and Sunil is same as the number of floors between Rakesh and Radhakishan, and Anil lives above Sunil.

Ratan lives on a floor adjacent to both Anil and Aditya.

Aditya doesn't live on a floor adjacent to Sunil.

Inferences:

From above reference points we get the following table,

Case 2:

The number of floors between Anil and Sunil must be 1 because the number of floors between Rakesh and Radhakishan is also 1. And Anil lives above Sunil. So, Anil lives on 14th floor.

It is also known that Aditya, Ratan and Anil are living on three consecutive floors. But in this case that is not possible. So, this case is wrong.

Floors	Persons (wrong)
15	
14	Anil
13	
12	Sunil
11	
10	
9	
8	
7	
6	Mukesh
5	
4	Rakesh
3	
2	Radhakishan
1	

Smartkeeda
The Question Bank

Case 3:

Number of floors between Rakesh and Radhakishan is 2 so, the Anil must be living 3 floors above Sunil at 21st floor.

Aditya doesn't live on a floor adjacent to Sunil. So, both Ratan and Aditya live above Anil.

Floors	Persons
23	Aditya
22	Ratan
21	Anil
20	
19	
18	Sunil
17	
16	
15	
14	
13	
12	Mukesh
11	
10	
9	
8	
7	
6	Rakesh
5	
4	
3	Radhakishan
2	
1	

Smartkeeda
The Question Bank

www.smartkeeda.com |testzone.smartkeeda.com

Join us

SBI | RBI | IBPS |RRB | SSC | NIACL | EPFO | UGC NET |LIC | Railways | CLAT | RJS

Join us

Answers :

1. Following common explanation, we get that

There are total 23 floors in the building.

Hence, option C is correct.

2. Following common explanation, we get that

Sunil lives on 18th floor.

Hence, option B is correct.

3. Following common explanation, we get that

There are 9 floors between the floors on which Ratan and Mukesh live.

Hence, option A is correct.

Smartkeeda
The Question Bank

4. Following common explanation, we get that

There are five floors below the floor on which Rakesh lives.

Hence, option D is correct.

5. There are 19 floors between the floor on which Aditya and Radhakishan live.

Hence, option D is correct.

Smartkeeda
Govt Exam Prep App

Presents

Testzone

India's Leading Test Series Platform

All Banks Exams
2025-26
12 Months Plan
@Just
Rs. 539

To get 10% Off use code **FEST25**

- ✓ Brilliant Test Analysis
- ✓ Excellent Content
- ✓ Unmatched Explanation

Buy Now