DeducePuzzles

Floor puzzle questions with answers

12 exam-shaped questions with full worked solutions.
For IBPS · SBI · RRB · SSC reasoning.

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The questions

Work them on paper first. Full solutions start after question 12 — the numbering matches.

QUESTION 1

4 people live in a 4-storey building, one person on each floor — floor 1 is the ground floor and floor 4 is the top.

1. Chetan lives on the floor immediately above Varun.
2. Arjun lives on an even-numbered floor.
3. Chetan lives on the topmost floor.
4. Chetan lives on a floor somewhere above Zoya.

Can you work out who lives on each floor?

QUESTION 2

4 people live in a 4-storey building, one person on each floor — floor 1 is the ground floor and floor 4 is the top.

1. Rohan lives on the lowest floor.
2. Pooja lives on a floor somewhere above Esha.
3. There is exactly 1 floor between Esha and Anjali.

Can you work out who lives on each floor?

QUESTION 3

5 people live in a 5-storey building, one person on each floor — floor 1 is the ground floor and floor 5 is the top.

1. Tarun lives on a floor somewhere above Farhan.
2. Meera lives on a floor somewhere above Lata.
3. There are exactly 2 floors between Varun and Meera.
4. Varun lives on the floor immediately above Tarun.

Can you work out who lives on each floor?

QUESTION 4

5 people live in a 5-storey building, one person on each floor — floor 1 is the ground floor and floor 5 is the top.

1. Priya lives on the floor immediately above Geeta.
2. Meera lives on a floor somewhere above Esha.
3. There are exactly 2 floors between Esha and Geeta.
4. Meera lives on an even-numbered floor.
5. Arjun lives on a floor somewhere above Esha.

Can you work out who lives on each floor?

QUESTION 5

5 people live in a 5-storey building, one person on each floor — floor 1 is the ground floor and floor 5 is the top.

1. Neha lives on the floor immediately above Manish.
2. Kiran lives on a floor somewhere above Neha.
3. Chetan lives on an even-numbered floor.
4. There are exactly 2 floors between Neha and Kiran.
5. Esha lives on a floor somewhere above Manish.

Can you work out who lives on each floor?

QUESTION 6

6 people live in a 6-storey building, one person on each floor — floor 1 is the ground floor and floor 6 is the top.

1. Divya lives on neither the topmost nor the lowest floor.
2. Rahul lives on a floor somewhere above Uma.
3. There is exactly 1 floor between Rahul and Tanvi.
4. Divya lives on a floor somewhere above Priya.
5. Priya lives on the floor immediately above Tanvi.
6. Tarun lives on a floor somewhere above Rahul.

Can you work out who lives on each floor?

QUESTION 7

4 people live in a 4-storey building, one person on each floor — floor 1 is the ground floor and floor 4 is the top.

1. Sanjay lives on the floor immediately above Geeta.
2. Sanjay lives on a floor somewhere above Varun.
3. Varun lives on an even-numbered floor.
4. There is exactly 1 floor between Geeta and Rohan.

Can you work out who lives on each floor?

QUESTION 8

4 people live in a 4-storey building, one person on each floor — floor 1 is the ground floor and floor 4 is the top.

1. Neha lives on a floor somewhere above Bhavna.
2. Neha lives on an odd-numbered floor.
3. Kiran lives on a floor somewhere above Bhavna.
4. Rahul lives on the topmost floor.

Can you work out who lives on each floor?

QUESTION 9

5 people live in a 5-storey building, one person on each floor — floor 1 is the ground floor and floor 5 is the top.

1. Priya lives on an even-numbered floor.
2. There are exactly 2 floors between Priya and Harsh.
3. Deepak lives on a floor somewhere above Priya.
4. Divya lives on a floor somewhere above Tanvi.
5. There is exactly 1 floor between Divya and Tanvi.

Can you work out who lives on each floor?

QUESTION 10

5 people live in a 5-storey building, one person on each floor — floor 1 is the ground floor and floor 5 is the top.

1. Rohan lives on the topmost floor.
2. There are exactly 2 floors between Rohan and Vikram.
3. Priya lives on the floor immediately above Pooja.
4. Priya lives on a floor somewhere above Meera.

Can you work out who lives on each floor?

QUESTION 11

5 people live in a 5-storey building, one person on each floor — floor 1 is the ground floor and floor 5 is the top.

1. Omkar lives on the lowest floor.
2. There are exactly 2 floors between Rahul and Omkar.
3. Kiran lives on the topmost floor.
4. Isha lives on a floor somewhere above Nikhil.

Can you work out who lives on each floor?

QUESTION 12

6 people live in a 6-storey building, one person on each floor — floor 1 is the ground floor and floor 6 is the top.

1. Harsh and Imran do NOT live on adjacent floors.
2. Yash lives on the floor immediately above Bhavna.
3. There are exactly 3 floors between Tarun and Yash.
4. There are exactly 2 floors between Tarun and Imran.
5. Tarun lives on a floor somewhere above Sanjay.

Can you work out who lives on each floor?

Answers and worked solutions

Each walkthrough is the engine's own elimination order, step for step — not a reconstruction written after the fact.

SOLUTION 1

1. Start: 24 possible arrangements of 4 people.
2. Clue 3 — "Chetan lives on the topmost floor." ⇒ Chetan → floor 4 (6 possibilities left). Board (top → bottom): Chetan · _ · _ · _
3. Clue 1 — "Chetan lives on the floor immediately above Varun." ⇒ Varun → floor 3 (2 possibilities left). Board (top → bottom): Chetan · Varun · _ · _
4. Clue 2 — "Arjun lives on an even-numbered floor." ⇒ Zoya → floor 1, Arjun → floor 2 (1 possibility left). Board (top → bottom): Chetan · Varun · Arjun · Zoya
5. Exactly one arrangement survives every clue — that is the answer.

SOLUTION 2

1. Start: 24 possible arrangements of 4 people.
2. Clue 1 — "Rohan lives on the lowest floor." ⇒ Rohan → floor 1 (6 possibilities left). Board (top → bottom): _ · _ · _ · Rohan
3. Clue 3 — "There is exactly 1 floor between Esha and Anjali." ⇒ Pooja → floor 3 (2 possibilities left). Board (top → bottom): _ · Pooja · _ · Rohan
4. Clue 2 — "Pooja lives on a floor somewhere above Esha." ⇒ Esha → floor 2, Anjali → floor 4 (1 possibility left). Board (top → bottom): Anjali · Pooja · Esha · Rohan
5. Exactly one arrangement survives every clue — that is the answer.

SOLUTION 3

1. Start: 120 possible arrangements of 5 people.
2. Clue 4 — "Varun lives on the floor immediately above Tarun." narrows it to 24 possibilities. Board (top → bottom): _ · _ · _ · _ · _
3. Clue 3 — "There are exactly 2 floors between Varun and Meera." narrows it to 6 possibilities. Board (top → bottom): _ · _ · _ · _ · _
4. Clue 1 — "Tarun lives on a floor somewhere above Farhan." narrows it to 3 possibilities. Board (top → bottom): _ · _ · _ · _ · _
5. Clue 2 — "Meera lives on a floor somewhere above Lata." ⇒ Farhan → floor 3, Varun → floor 5, Tarun → floor 4, Meera → floor 2, Lata → floor 1 (1 possibility left). Board (top → bottom): Varun · Tarun · Farhan · Meera · Lata
6. Exactly one arrangement survives every clue — that is the answer.

SOLUTION 4

1. Start: 120 possible arrangements of 5 people.
2. Clue 1 — "Priya lives on the floor immediately above Geeta." narrows it to 24 possibilities. Board (top → bottom): _ · _ · _ · _ · _
3. Clue 3 — "There are exactly 2 floors between Esha and Geeta." narrows it to 6 possibilities. Board (top → bottom): _ · _ · _ · _ · _
4. Clue 4 — "Meera lives on an even-numbered floor." narrows it to 2 possibilities. Board (top → bottom): _ · _ · _ · _ · _
5. Clue 2 — "Meera lives on a floor somewhere above Esha." ⇒ Priya → floor 5, Esha → floor 1, Geeta → floor 4, Meera → floor 2, Arjun → floor 3 (1 possibility left). Board (top → bottom): Priya · Geeta · Arjun · Meera · Esha
6. Exactly one arrangement survives every clue — that is the answer.

SOLUTION 5

1. Start: 120 possible arrangements of 5 people.
2. Clue 1 — "Neha lives on the floor immediately above Manish." narrows it to 24 possibilities. Board (top → bottom): _ · _ · _ · _ · _
3. Clue 4 — "There are exactly 2 floors between Neha and Kiran." narrows it to 6 possibilities. Board (top → bottom): _ · _ · _ · _ · _
4. Clue 3 — "Chetan lives on an even-numbered floor." narrows it to 2 possibilities. Board (top → bottom): _ · _ · _ · _ · _
5. Clue 2 — "Kiran lives on a floor somewhere above Neha." ⇒ Neha → floor 2, Chetan → floor 4, Esha → floor 3, Kiran → floor 5, Manish → floor 1 (1 possibility left). Board (top → bottom): Kiran · Chetan · Esha · Neha · Manish
6. Exactly one arrangement survives every clue — that is the answer.

SOLUTION 6

1. Start: 720 possible arrangements of 6 people.
2. Clue 5 — "Priya lives on the floor immediately above Tanvi." narrows it to 120 possibilities. Board (top → bottom): _ · _ · _ · _ · _ · _
3. Clue 3 — "There is exactly 1 floor between Rahul and Tanvi." narrows it to 42 possibilities. Board (top → bottom): _ · _ · _ · _ · _ · _
4. Clue 2 — "Rahul lives on a floor somewhere above Uma." narrows it to 18 possibilities. Board (top → bottom): _ · _ · _ · _ · _ · _
5. Clue 4 — "Divya lives on a floor somewhere above Priya." narrows it to 5 possibilities. Board (top → bottom): _ · _ · _ · _ · _ · _
6. Clue 6 — "Tarun lives on a floor somewhere above Rahul." ⇒ Uma → floor 1 (3 possibilities left). Board (top → bottom): _ · _ · _ · _ · _ · Uma
7. Clue 1 — "Divya lives on neither the topmost nor the lowest floor." ⇒ Rahul → floor 4, Priya → floor 3, Tarun → floor 6, Divya → floor 5, Tanvi → floor 2 (1 possibility left). Board (top → bottom): Tarun · Divya · Rahul · Priya · Tanvi · Uma
8. Exactly one arrangement survives every clue — that is the answer.

SOLUTION 7

1. Start: 24 possible arrangements of 4 people.
2. Clue 1 — "Sanjay lives on the floor immediately above Geeta." narrows it to 6 possibilities. Board (top → bottom): _ · _ · _ · _
3. Clue 4 — "There is exactly 1 floor between Geeta and Rohan." narrows it to 3 possibilities. Board (top → bottom): _ · _ · _ · _
4. Clue 3 — "Varun lives on an even-numbered floor." narrows it to 2 possibilities. Board (top → bottom): _ · _ · _ · _
5. Clue 2 — "Sanjay lives on a floor somewhere above Varun." ⇒ Geeta → floor 3, Varun → floor 2, Sanjay → floor 4, Rohan → floor 1 (1 possibility left). Board (top → bottom): Sanjay · Geeta · Varun · Rohan
6. Exactly one arrangement survives every clue — that is the answer.

SOLUTION 8

1. Start: 24 possible arrangements of 4 people.
2. Clue 4 — "Rahul lives on the topmost floor." ⇒ Rahul → floor 4 (6 possibilities left). Board (top → bottom): Rahul · _ · _ · _
3. Clue 2 — "Neha lives on an odd-numbered floor." narrows it to 4 possibilities. Board (top → bottom): Rahul · _ · _ · _
4. Clue 1 — "Neha lives on a floor somewhere above Bhavna." ⇒ Neha → floor 3 (2 possibilities left). Board (top → bottom): Rahul · Neha · _ · _
5. Clue 3 — "Kiran lives on a floor somewhere above Bhavna." ⇒ Kiran → floor 2, Bhavna → floor 1 (1 possibility left). Board (top → bottom): Rahul · Neha · Kiran · Bhavna
6. Exactly one arrangement survives every clue — that is the answer.

SOLUTION 9

1. Start: 120 possible arrangements of 5 people.
2. Clue 2 — "There are exactly 2 floors between Priya and Harsh." narrows it to 24 possibilities. Board (top → bottom): _ · _ · _ · _ · _
3. Clue 5 — "There is exactly 1 floor between Divya and Tanvi." narrows it to 8 possibilities. Board (top → bottom): _ · _ · _ · _ · _
4. Clue 1 — "Priya lives on an even-numbered floor." narrows it to 4 possibilities. Board (top → bottom): _ · _ · _ · _ · _
5. Clue 3 — "Deepak lives on a floor somewhere above Priya." ⇒ Priya → floor 2, Deepak → floor 4, Harsh → floor 5 (2 possibilities left). Board (top → bottom): Harsh · Deepak · _ · Priya · _
6. Clue 4 — "Divya lives on a floor somewhere above Tanvi." ⇒ Divya → floor 3, Tanvi → floor 1 (1 possibility left). Board (top → bottom): Harsh · Deepak · Divya · Priya · Tanvi
7. Exactly one arrangement survives every clue — that is the answer.

SOLUTION 10

1. Start: 120 possible arrangements of 5 people.
2. Clue 1 — "Rohan lives on the topmost floor." ⇒ Rohan → floor 5 (24 possibilities left). Board (top → bottom): Rohan · _ · _ · _ · _
3. Clue 3 — "Priya lives on the floor immediately above Pooja." narrows it to 6 possibilities. Board (top → bottom): Rohan · _ · _ · _ · _
4. Clue 2 — "There are exactly 2 floors between Rohan and Vikram." ⇒ Priya → floor 4, Meera → floor 1, Pooja → floor 3, Vikram → floor 2 (1 possibility left). Board (top → bottom): Rohan · Priya · Pooja · Vikram · Meera
5. Exactly one arrangement survives every clue — that is the answer.

SOLUTION 11

1. Start: 120 possible arrangements of 5 people.
2. Clue 3 — "Kiran lives on the topmost floor." ⇒ Kiran → floor 5 (24 possibilities left). Board (top → bottom): Kiran · _ · _ · _ · _
3. Clue 1 — "Omkar lives on the lowest floor." ⇒ Omkar → floor 1 (6 possibilities left). Board (top → bottom): Kiran · _ · _ · _ · Omkar
4. Clue 2 — "There are exactly 2 floors between Rahul and Omkar." ⇒ Rahul → floor 4 (2 possibilities left). Board (top → bottom): Kiran · Rahul · _ · _ · Omkar
5. Clue 4 — "Isha lives on a floor somewhere above Nikhil." ⇒ Nikhil → floor 2, Isha → floor 3 (1 possibility left). Board (top → bottom): Kiran · Rahul · Isha · Nikhil · Omkar
6. Exactly one arrangement survives every clue — that is the answer.

SOLUTION 12

1. Start: 720 possible arrangements of 6 people.
2. Clue 2 — "Yash lives on the floor immediately above Bhavna." narrows it to 120 possibilities. Board (top → bottom): _ · _ · _ · _ · _ · _
3. Clue 3 — "There are exactly 3 floors between Tarun and Yash." narrows it to 18 possibilities. Board (top → bottom): _ · _ · _ · _ · _ · _
4. Clue 4 — "There are exactly 2 floors between Tarun and Imran." ⇒ Tarun → floor 6, Bhavna → floor 1, Imran → floor 3, Yash → floor 2 (2 possibilities left). Board (top → bottom): Tarun · _ · _ · Imran · Yash · Bhavna
5. Clue 1 — "Harsh and Imran do NOT live on adjacent floors." ⇒ Sanjay → floor 4, Harsh → floor 5 (1 possibility left). Board (top → bottom): Tarun · Harsh · Sanjay · Imran · Yash · Bhavna
6. Exactly one arrangement survives every clue — that is the answer.

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