DeducePuzzles

Seating arrangement questions with answers

12 exam-shaped questions with full worked solutions.

For IBPS · SBI · RRB · SSC reasoning.

Free, share it forward. Every question in this set was generated and verified by the DeducePuzzles engine — the same one behind the free daily puzzle round at **deducepuzzles.com**.

The questions

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

QUESTION 1

4 people sit in a row, all facing the same way — seat 1 is the far left, seat 4 the far right.

1. Kiran sits somewhere to the right of Geeta.
2. Deepak sits at the far-left (extreme) end of the row.
3. Gauri sits at the far-right (extreme) end of the row.

Can you work out who sits in each seat?

QUESTION 2

4 people sit in two parallel rows facing each other — one row faces north, the other faces south, and each person sits directly opposite exactly one other.

1. Lata faces north.
2. Tarun sits immediately to the left of Uma (both facing south).
3. Lata sits immediately to the left of Arjun (both facing north).

Can you work out who sits in each seat, in both rows?

QUESTION 3

5 people sit in a row, all facing the same way — seat 1 is the far left, seat 5 the far right.

1. Aditi sits immediately to the left of Chetan.
2. Chetan sits immediately to the left of Manish.
3. Priya sits somewhere to the right of Chetan.
4. Tarun sits somewhere to the right of Priya.

Can you work out who sits in each seat?

QUESTION 4

6 people sit in two parallel rows facing each other — one row faces north, the other faces south, and each person sits directly opposite exactly one other.

1. Meera faces south.
2. Geeta sits immediately to the left of Meera (both facing south).
3. Exactly 1 person sits between Geeta and Divya in the same row.
4. Karan sits 2nd to the left of Vikram (both facing north).
5. Gauri sits immediately to the left of Vikram (both facing north).

Can you work out who sits in each seat, in both rows?

QUESTION 5

5 people sit in a row, all facing the same way — seat 1 is the far left, seat 5 the far right.

1. Deepak sits somewhere to the right of Uma.
2. Exactly 1 person sits between Sneha and Uma.
3. Manish sits somewhere to the right of Uma.
4. Exactly 1 person sits between Rahul and Manish.
5. Manish sits somewhere to the left of Rahul.

Can you work out who sits in each seat?

QUESTION 6

6 people sit in two parallel rows facing each other — one row faces north, the other faces south, and each person sits directly opposite exactly one other.

1. Kiran does NOT sit directly opposite Anjali.
2. Kiran sits immediately to the left of Isha (both facing north).
3. Exactly 1 person sits between Anjali and Harsh in the same row.
4. Exactly 1 person sits between Nikhil and Kiran in the same row.
5. Isha faces north.
6. Anjali sits immediately to the left of Divya (both facing south).

Can you work out who sits in each seat, in both rows?

QUESTION 7

4 people sit in a row, all facing the same way — seat 1 is the far left, seat 4 the far right.

1. Priya sits immediately to the left of Imran.
2. Exactly 2 people sit between Imran and Sanjay.
3. Priya sits immediately to the right of Divya.

Can you work out who sits in each seat?

QUESTION 8

4 people sit in two parallel rows facing each other — one row faces north, the other faces south, and each person sits directly opposite exactly one other.

1. Chetan faces north.
2. Chetan sits immediately to the left of Harsh (both facing north).
3. Pooja sits immediately to the left of Aditi (both facing south).

Can you work out who sits in each seat, in both rows?

QUESTION 9

5 people sit in a row, all facing the same way — seat 1 is the far left, seat 5 the far right.

1. Zoya sits somewhere to the left of Tarun.
2. Exactly 1 person sits between Varun and Nikhil.
3. Zoya sits somewhere to the right of Pooja.
4. Nikhil sits at the far-right (extreme) end of the row.

Can you work out who sits in each seat?

QUESTION 10

6 people sit in two parallel rows facing each other — one row faces north, the other faces south, and each person sits directly opposite exactly one other.

1. Aditi faces north.
2. Isha sits immediately to the left of Harsh (both facing north).
3. Arjun sits 2nd to the left of Sneha (both facing south).
4. Aditi sits 2nd to the left of Harsh (both facing north).
5. Anjali faces south.

Can you work out who sits in each seat, in both rows?

QUESTION 11

5 people sit in a row, all facing the same way — seat 1 is the far left, seat 5 the far right.

1. Tarun sits immediately to the left of Tanvi.
2. Tanvi sits immediately to the left of Karan.
3. Tarun sits somewhere to the left of Meera.
4. Exactly 2 people sit between Tarun and Aditi.

Can you work out who sits in each seat?

QUESTION 12

6 people sit in two parallel rows facing each other — one row faces north, the other faces south, and each person sits directly opposite exactly one other.

1. Imran does NOT sit directly opposite Tanvi.
2. Uma sits immediately to the left of Priya (both facing north).
3. Anjali sits immediately to the left of Meera (both facing south).
4. Imran sits immediately to the left of Anjali (both facing south).
5. Meera faces south.

Can you work out who sits in each seat, in both rows?

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 left-to-right orders of 4 people.
2. Clue 2 — "Deepak sits at the far-left (extreme) end of the row." ⇒ Deepak → seat 1 (6 possibilities left). Board (left → right): Deepak · _ · _ · _
3. Clue 3 — "Gauri sits at the far-right (extreme) end of the row." ⇒ Gauri → seat 4 (2 possibilities left). Board (left → right): Deepak · _ · _ · Gauri
4. Clue 1 — "Kiran sits somewhere to the right of Geeta." ⇒ Geeta → seat 2, Kiran → seat 3 (1 possibility left). Board (left → right): Deepak · Geeta · Kiran · Gauri
5. Exactly one order survives every clue: Deepak, Geeta, Kiran, Gauri (left to right).

SOLUTION 2

1. Start: 24 ways to seat 4 people in two facing rows of 2.
2. Clue 1 — "Lata faces north." narrows it to 12 possibilities. Board — North (W→E): _ · _ | South (W→E): _ · _
3. Clue 2 — "Tarun sits immediately to the left of Uma (both facing south)." ⇒ Tarun → the south-facing row, column 2 (1 = west), Uma → the south-facing row, column 1 (1 = west) (2 possibilities left). Board — North (W→E): _ · _ | South (W→E): Uma · Tarun
4. Clue 3 — "Lata sits immediately to the left of Arjun (both facing north)." ⇒ Arjun → the north-facing row, column 2 (1 = west), Lata → the north-facing row, column 1 (1 = west) (1 possibility left). Board — North (W→E): Lata · Arjun | South (W→E): Uma · Tarun
5. Exactly one seating survives every clue — north row: Lata, Arjun; south row: Uma, Tarun.

SOLUTION 3

1. Start: 120 possible left-to-right orders of 5 people.
2. Clue 1 — "Aditi sits immediately to the left of Chetan." narrows it to 24 possibilities. Board (left → right): _ · _ · _ · _ · _
3. Clue 2 — "Chetan sits immediately to the left of Manish." narrows it to 6 possibilities. Board (left → right): _ · _ · _ · _ · _
4. Clue 3 — "Priya sits somewhere to the right of Chetan." narrows it to 3 possibilities. Board (left → right): _ · _ · _ · _ · _
5. Clue 4 — "Tarun sits somewhere to the right of Priya." ⇒ Tarun → seat 5, Manish → seat 3, Aditi → seat 1, Chetan → seat 2, Priya → seat 4 (1 possibility left). Board (left → right): Aditi · Chetan · Manish · Priya · Tarun
6. Exactly one order survives every clue: Aditi, Chetan, Manish, Priya, Tarun (left to right).

SOLUTION 4

1. Start: 720 ways to seat 6 people in two facing rows of 3.
2. Clue 1 — "Meera faces south." narrows it to 360 possibilities. Board — North (W→E): _ · _ · _ | South (W→E): _ · _ · _
3. Clue 2 — "Geeta sits immediately to the left of Meera (both facing south)." narrows it to 48 possibilities. Board — North (W→E): _ · _ · _ | South (W→E): _ · _ · _
4. Clue 3 — "Exactly 1 person sits between Geeta and Divya in the same row." ⇒ Geeta → the south-facing row, column 3 (1 = west), Meera → the south-facing row, column 2 (1 = west), Divya → the south-facing row, column 1 (1 = west) (6 possibilities left). Board — North (W→E): _ · _ · _ | South (W→E): Divya · Meera · Geeta
5. Clue 4 — "Karan sits 2nd to the left of Vikram (both facing north)." ⇒ Karan → the north-facing row, column 1 (1 = west), Vikram → the north-facing row, column 3 (1 = west), Gauri → the north-facing row, column 2 (1 = west) (1 possibility left). Board — North (W→E): Karan · Gauri · Vikram | South (W→E): Divya · Meera · Geeta
6. Exactly one seating survives every clue — north row: Karan, Gauri, Vikram; south row: Divya, Meera, Geeta.

SOLUTION 5

1. Start: 120 possible left-to-right orders of 5 people.
2. Clue 2 — "Exactly 1 person sits between Sneha and Uma." narrows it to 36 possibilities. Board (left → right): _ · _ · _ · _ · _
3. Clue 4 — "Exactly 1 person sits between Rahul and Manish." narrows it to 16 possibilities. Board (left → right): _ · _ · _ · _ · _
4. Clue 1 — "Deepak sits somewhere to the right of Uma." ⇒ Deepak → seat 5 (8 possibilities left). Board (left → right): _ · _ · _ · _ · Deepak
5. Clue 3 — "Manish sits somewhere to the right of Uma." narrows it to 4 possibilities. Board (left → right): _ · _ · _ · _ · Deepak
6. Clue 5 — "Manish sits somewhere to the left of Rahul." ⇒ Rahul → seat 4, Manish → seat 2, Sneha → seat 3, Uma → seat 1 (1 possibility left). Board (left → right): Uma · Manish · Sneha · Rahul · Deepak
7. Exactly one order survives every clue: Uma, Manish, Sneha, Rahul, Deepak (left to right).

SOLUTION 6

1. Start: 720 ways to seat 6 people in two facing rows of 3.
2. Clue 5 — "Isha faces north." narrows it to 360 possibilities. Board — North (W→E): _ · _ · _ | South (W→E): _ · _ · _
3. Clue 2 — "Kiran sits immediately to the left of Isha (both facing north)." narrows it to 48 possibilities. Board — North (W→E): _ · _ · _ | South (W→E): _ · _ · _
4. Clue 3 — "Exactly 1 person sits between Anjali and Harsh in the same row." narrows it to 8 possibilities. Board — North (W→E): _ · _ · _ | South (W→E): _ · _ · _
5. Clue 4 — "Exactly 1 person sits between Nikhil and Kiran in the same row." ⇒ Nikhil → the north-facing row, column 3 (1 = west), Divya → the south-facing row, column 2 (1 = west), Kiran → the north-facing row, column 1 (1 = west), Isha → the north-facing row, column 2 (1 = west) (2 possibilities left). Board — North (W→E): Kiran · Isha · Nikhil | South (W→E): _ · Divya · _
6. Clue 6 — "Anjali sits immediately to the left of Divya (both facing south)." ⇒ Anjali → the south-facing row, column 3 (1 = west), Harsh → the south-facing row, column 1 (1 = west) (1 possibility left). Board — North (W→E): Kiran · Isha · Nikhil | South (W→E): Harsh · Divya · Anjali
7. Exactly one seating survives every clue — north row: Kiran, Isha, Nikhil; south row: Harsh, Divya, Anjali.

SOLUTION 7

1. Start: 24 possible left-to-right orders of 4 people.
2. Clue 1 — "Priya sits immediately to the left of Imran." narrows it to 6 possibilities. Board (left → right): _ · _ · _ · _
3. Clue 3 — "Priya sits immediately to the right of Divya." narrows it to 2 possibilities. Board (left → right): _ · _ · _ · _
4. Clue 2 — "Exactly 2 people sit between Imran and Sanjay." ⇒ Imran → seat 4, Sanjay → seat 1, Priya → seat 3, Divya → seat 2 (1 possibility left). Board (left → right): Sanjay · Divya · Priya · Imran
5. Exactly one order survives every clue: Sanjay, Divya, Priya, Imran (left to right).

SOLUTION 8

1. Start: 24 ways to seat 4 people in two facing rows of 2.
2. Clue 1 — "Chetan faces north." narrows it to 12 possibilities. Board — North (W→E): _ · _ | South (W→E): _ · _
3. Clue 2 — "Chetan sits immediately to the left of Harsh (both facing north)." ⇒ Harsh → the north-facing row, column 2 (1 = west), Chetan → the north-facing row, column 1 (1 = west) (2 possibilities left). Board — North (W→E): Chetan · Harsh | South (W→E): _ · _
4. Clue 3 — "Pooja sits immediately to the left of Aditi (both facing south)." ⇒ Pooja → the south-facing row, column 2 (1 = west), Aditi → the south-facing row, column 1 (1 = west) (1 possibility left). Board — North (W→E): Chetan · Harsh | South (W→E): Aditi · Pooja
5. Exactly one seating survives every clue — north row: Chetan, Harsh; south row: Aditi, Pooja.

SOLUTION 9

1. Start: 120 possible left-to-right orders of 5 people.
2. Clue 4 — "Nikhil sits at the far-right (extreme) end of the row." ⇒ Nikhil → seat 5 (24 possibilities left). Board (left → right): _ · _ · _ · _ · Nikhil
3. Clue 2 — "Exactly 1 person sits between Varun and Nikhil." ⇒ Varun → seat 3 (6 possibilities left). Board (left → right): _ · _ · Varun · _ · Nikhil
4. Clue 1 — "Zoya sits somewhere to the left of Tarun." narrows it to 3 possibilities. Board (left → right): _ · _ · Varun · _ · Nikhil
5. Clue 3 — "Zoya sits somewhere to the right of Pooja." ⇒ Tarun → seat 4, Zoya → seat 2, Pooja → seat 1 (1 possibility left). Board (left → right): Pooja · Zoya · Varun · Tarun · Nikhil
6. Exactly one order survives every clue: Pooja, Zoya, Varun, Tarun, Nikhil (left to right).

SOLUTION 10

1. Start: 720 ways to seat 6 people in two facing rows of 3.
2. Clue 1 — "Aditi faces north." narrows it to 360 possibilities. Board — North (W→E): _ · _ · _ | South (W→E): _ · _ · _
3. Clue 5 — "Anjali faces south." narrows it to 216 possibilities. Board — North (W→E): _ · _ · _ | South (W→E): _ · _ · _
4. Clue 2 — "Isha sits immediately to the left of Harsh (both facing north)." narrows it to 24 possibilities. Board — North (W→E): _ · _ · _ | South (W→E): _ · _ · _
5. Clue 3 — "Arjun sits 2nd to the left of Sneha (both facing south)." narrows it to 4 possibilities. Board — North (W→E): _ · _ · _ | South (W→E): _ · _ · _
6. Clue 4 — "Aditi sits 2nd to the left of Harsh (both facing north)." ⇒ Sneha → the south-facing row, column 1 (1 = west), Anjali → the south-facing row, column 2 (1 = west), Harsh → the north-facing row, column 3 (1 = west), Aditi → the north-facing row, column 1 (1 = west), Isha → the north-facing row, column 2 (1 = west), Arjun → the south-facing row, column 3 (1 = west) (1 possibility left). Board — North (W→E): Aditi · Isha · Harsh | South (W→E): Sneha · Anjali · Arjun
7. Exactly one seating survives every clue — north row: Aditi, Isha, Harsh; south row: Sneha, Anjali, Arjun.

SOLUTION 11

1. Start: 120 possible left-to-right orders of 5 people.
2. Clue 1 — "Tarun sits immediately to the left of Tanvi." narrows it to 24 possibilities. Board (left → right): _ · _ · _ · _ · _
3. Clue 2 — "Tanvi sits immediately to the left of Karan." narrows it to 6 possibilities. Board (left → right): _ · _ · _ · _ · _
4. Clue 4 — "Exactly 2 people sit between Tarun and Aditi." narrows it to 2 possibilities. Board (left → right): _ · _ · _ · _ · _
5. Clue 3 — "Tarun sits somewhere to the left of Meera." ⇒ Tanvi → seat 2, Tarun → seat 1, Karan → seat 3, Aditi → seat 4, Meera → seat 5 (1 possibility left). Board (left → right): Tarun · Tanvi · Karan · Aditi · Meera
6. Exactly one order survives every clue: Tarun, Tanvi, Karan, Aditi, Meera (left to right).

SOLUTION 12

1. Start: 720 ways to seat 6 people in two facing rows of 3.
2. Clue 5 — "Meera faces south." narrows it to 360 possibilities. Board — North (W→E): _ · _ · _ | South (W→E): _ · _ · _
3. Clue 2 — "Uma sits immediately to the left of Priya (both facing north)." narrows it to 48 possibilities. Board — North (W→E): _ · _ · _ | South (W→E): _ · _ · _
4. Clue 3 — "Anjali sits immediately to the left of Meera (both facing south)." narrows it to 8 possibilities. Board — North (W→E): _ · _ · _ | South (W→E): _ · _ · _
5. Clue 4 — "Imran sits immediately to the left of Anjali (both facing south)." ⇒ Imran → the south-facing row, column 3 (1 = west), Meera → the south-facing row, column 1 (1 = west), Anjali → the south-facing row, column 2 (1 = west) (2 possibilities left). Board — North (W→E): _ · _ · _ | South (W→E): Meera · Anjali · Imran
6. Clue 1 — "Imran does NOT sit directly opposite Tanvi." ⇒ Uma → the north-facing row, column 2 (1 = west), Priya → the north-facing row, column 3 (1 = west), Tanvi → the north-facing row, column 1 (1 = west) (1 possibility left). Board — North (W→E): Tanvi · Uma · Priya | South (W→E): Meera · Anjali · Imran
7. Exactly one seating survives every clue — north row: Tanvi, Uma, Priya; south row: Meera, Anjali, Imran.

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