

Circular 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 Deduce 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

5 people sit around a round table, all facing the centre.

1. Jaya sits 2nd to the left of Kiran (all facing the centre).
2. Rohan sits immediately to the left of Pooja (all facing the centre).
3. Exactly 1 person sits between Rohan and Geeta (the shorter way).

Can you work out who sits in each seat?

QUESTION 2

5 people sit around a round table, all facing the centre.

1. Arjun sits 2nd to the right of Tarun (all facing the centre).
2. Imran sits immediately to the left of Geeta (all facing the centre).
3. Tarun sits next to Chetan.

Can you work out who sits in each seat?

QUESTION 3

6 people sit around a round table, all facing the centre.

1. Nikhil sits 2nd to the right of Yash (all facing the centre).
2. Nikhil sits 3rd to the left of Vikram (all facing the centre).
3. Anjali sits 2nd to the right of Sneha (all facing the centre).
4. Vikram sits immediately to the right of Esha (all facing the centre).

Can you work out who sits in each seat?

QUESTION 4

6 people sit around a round table, all facing the centre.

1. Divya sits 2nd to the right of Imran (all facing the centre).
2. Kiran sits immediately to the left of Imran (all facing the centre).
3. Arjun sits 2nd to the left of Imran (all facing the centre).
4. Bhavna sits immediately to the right of Divya (all facing the centre).
5. Nikhil sits 2nd to the left of Bhavna (all facing the centre).

Can you work out who sits in each seat?

QUESTION 5

6 people sit around a round table, all facing the centre.

1. Exactly 2 people sit between Gauri and Chetan (the shorter way).
2. Vikram sits immediately to the left of Karan (all facing the centre).
3. Sanjay sits 2nd to the left of Vikram (all facing the centre).
4. Vikram sits 2nd to the left of Chetan (all facing the centre).
5. Sanjay sits immediately to the right of Jaya (all facing the centre).

Can you work out who sits in each seat?

QUESTION 6

7 people sit around a round table, all facing the centre.

1. Uma does NOT sit next to Isha.
2. Exactly 2 people sit between Rohan and Aditi (the shorter way).
3. Exactly 2 people sit between Rohan and Neha (the shorter way).
4. Exactly 1 person sits between Rohan and Meera (the shorter way).
5. Neha sits immediately to the left of Uma (all facing the centre).
6. Exactly 2 people sit between Deepak and Meera (the shorter way).

Can you work out who sits in each seat?

QUESTION 7

5 people sit around a round table, all facing the centre.

1. Jaya sits 2nd to the right of Harsh (all facing the centre).
2. Imran sits immediately to the left of Harsh (all facing the centre).
3. Imran sits next to Bhavna.
4. Meera sits 2nd to the right of Imran (all facing the centre).

Can you work out who sits in each seat?

QUESTION 8

5 people sit around a round table, all facing the centre.

1. Manish sits 2nd to the left of Tarun (all facing the centre).
2. Lata sits immediately to the right of Manish (all facing the centre).
3. Exactly 1 person sits between Bhavna and Tarun (the shorter way).
4. Tarun sits immediately to the left of Meera (all facing the centre).

Can you work out who sits in each seat?

QUESTION 9

6 people sit around a round table, all facing the centre.

1. Imran sits immediately to the right of Uma (all facing the centre).
2. Exactly 1 person sits between Zoya and Uma (the shorter way).
3. Rohan sits immediately to the left of Rahul (all facing the centre).
4. Imran sits 2nd to the left of Rahul (all facing the centre).
5. Isha sits 3rd to the left of Rohan (all facing the centre).

Can you work out who sits in each seat?

QUESTION 10

6 people sit around a round table, all facing the centre.

1. Exactly 1 person sits between Priya and Gauri (the shorter way).
2. Yash sits immediately to the right of Tarun (all facing the centre).
3. Gauri sits 2nd to the left of Yash (all facing the centre).
4. Gauri sits immediately to the right of Zoya (all facing the centre).
5. Exactly 1 person sits between Manish and Tarun (the shorter way).

Can you work out who sits in each seat?

QUESTION 11

6 people sit around a round table, all facing the centre.

1. Exactly 1 person sits between Sneha and Divya (the shorter way).
2. Exactly 2 people sit between Manish and Priya (the shorter way).
3. Divya sits immediately to the left of Tanvi (all facing the centre).
4. Exactly 1 person sits between Manish and Omkar (the shorter way).

Can you work out who sits in each seat?

QUESTION 12

7 people sit around a round table, all facing the centre.

1. Nikhil does NOT sit next to Gauri.
2. Chetan sits next to Gauri.
3. Exactly 2 people sit between Esha and Chetan (the shorter way).
4. Exactly 2 people sit between Uma and Gauri (the shorter way).
5. Exactly 1 person sits between Harsh and Esha (the shorter way).
6. Chetan sits immediately to the right of Manish (all facing the centre).

Can you work out who sits in each seat?

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 distinct seatings (up to rotation) of 5 people around the table. Fix Geeta at seat 1 and count clockwise — only rotations of the same seating differ.
 2. Clue 1 — "Jaya sits 2nd to the left of Kiran (all facing the centre)." narrows it to 6 possibilities. Table (clockwise from Geeta):
Geeta · _ · _ · _ · _
 3. Clue 2 — "Rohan sits immediately to the left of Pooja (all facing the centre)." ⇒ Rohan → seat 4, Pooja → seat 3, Kiran → seat 5, Jaya → seat 2 (1 possibility left). Table (clockwise from Geeta): Geeta · Jaya · Pooja · Rohan · Kiran
 4. Exactly one seating (up to rotation) survives every clue: Geeta, Jaya, Pooja, Rohan, Kiran clockwise.
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SOLUTION 2

1. Start: 24 distinct seatings (up to rotation) of 5 people around the table. Fix Arjun at seat 1 and count clockwise — only rotations of the same seating differ.
 2. Clue 1 — "Arjun sits 2nd to the right of Tarun (all facing the centre)." ⇒ Tarun → seat 3 (6 possibilities left). Table (clockwise from Arjun): Arjun · _ · Tarun · _ · _
 3. Clue 2 — "Imran sits immediately to the left of Geeta (all facing the centre)." ⇒ Imran → seat 5, Chetan → seat 2, Geeta → seat 4 (1 possibility left). Table (clockwise from Arjun): Arjun · Chetan · Tarun · Geeta · Imran
 4. Exactly one seating (up to rotation) survives every clue: Arjun, Chetan, Tarun, Geeta, Imran clockwise.
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SOLUTION 3

1. Start: 120 distinct seatings (up to rotation) of 6 people around the table. Fix Anjali at seat 1 and count clockwise — only rotations of the same seating differ.
 2. Clue 1 — "Nikhil sits 2nd to the right of Yash (all facing the centre)." narrows it to 24 possibilities. Table (clockwise from Anjali): Anjali · _ · _ · _ · _ · _
 3. Clue 2 — "Nikhil sits 3rd to the left of Vikram (all facing the centre)." narrows it to 6 possibilities. Table (clockwise from Anjali): Anjali · _ · _ · _ · _ · _
 4. Clue 3 — "Anjali sits 2nd to the right of Sneha (all facing the centre)." ⇒ Yash → seat 4, Nikhil → seat 2, Esha → seat 6, Sneha → seat 3, Vikram → seat 5 (1 possibility left). Table (clockwise from Anjali): Anjali · Nikhil · Sneha · Yash · Vikram · Esha
 5. Exactly one seating (up to rotation) survives every clue: Anjali, Nikhil, Sneha, Yash, Vikram, Esha clockwise.
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SOLUTION 4

1. Start: 120 distinct seatings (up to rotation) of 6 people around the table. Fix Arjun at seat 1 and count clockwise — only rotations of the same seating differ.
 2. Clue 1 — "Divya sits 2nd to the right of Imran (all facing the centre)." narrows it to 24 possibilities. Table (clockwise from Arjun): Arjun · _ · _ · _ · _ · _
 3. Clue 2 — "Kiran sits immediately to the left of Imran (all facing the centre)." narrows it to 6 possibilities. Table (clockwise from Arjun): Arjun · _ · _ · _ · _ · _
 4. Clue 3 — "Arjun sits 2nd to the left of Imran (all facing the centre)." ⇒ Kiran → seat 6, Imran → seat 5, Divya → seat 3 (2 possibilities left). Table (clockwise from Arjun): Arjun · _ · Divya · _ · Imran · Kiran
 5. Clue 4 — "Bhavna sits immediately to the right of Divya (all facing the centre)." ⇒ Nikhil → seat 4, Bhavna → seat 2 (1 possibility left). Table (clockwise from Arjun): Arjun · Bhavna · Divya · Nikhil · Imran · Kiran
 6. Exactly one seating (up to rotation) survives every clue: Arjun, Bhavna, Divya, Nikhil, Imran, Kiran clockwise.
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SOLUTION 5

1. Start: 120 distinct seatings (up to rotation) of 6 people around the table. Fix Chetan at seat 1 and count clockwise — only rotations of the same seating differ.
 2. Clue 2 — "Vikram sits immediately to the left of Karan (all facing the centre)." narrows it to 24 possibilities. Table (clockwise from Chetan): Chetan · _ · _ · _ · _ · _
 3. Clue 3 — "Sanjay sits 2nd to the left of Vikram (all facing the centre)." narrows it to 6 possibilities. Table (clockwise from Chetan): Chetan · _ · _ · _ · _ · _
 4. Clue 4 — "Vikram sits 2nd to the left of Chetan (all facing the centre)." ⇒ Sanjay → seat 5, Karan → seat 2, Vikram → seat 3 (2 possibilities left). Table (clockwise from Chetan): Chetan · Karan · Vikram · _ · Sanjay · _
 5. Clue 5 — "Sanjay sits immediately to the right of Jaya (all facing the centre)." ⇒ Gauri → seat 4, Jaya → seat 6 (1 possibility left). Table (clockwise from Chetan): Chetan · Karan · Vikram · Gauri · Sanjay · Jaya
 6. Exactly one seating (up to rotation) survives every clue: Chetan, Karan, Vikram, Gauri, Sanjay, Jaya clockwise.
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SOLUTION 6

1. Start: 720 distinct seatings (up to rotation) of 7 people around the table. Fix Aditi at seat 1 and count clockwise — only rotations of the same seating differ.
 2. Clue 5 — "Neha sits immediately to the left of Uma (all facing the centre)." narrows it to 120 possibilities. Table (clockwise from Aditi): Aditi · _ · _ · _ · _ · _ · _
 3. Clue 2 — "Exactly 2 people sit between Rohan and Aditi (the shorter way)." narrows it to 36 possibilities. Table (clockwise from Aditi): Aditi · _ · _ · _ · _ · _ · _
 4. Clue 3 — "Exactly 2 people sit between Rohan and Neha (the shorter way)." ⇒ Rohan → seat 4, Neha → seat 7, Uma → seat 6 (6 possibilities left). Table (clockwise from Aditi): Aditi · _ · _ · Rohan · _ · Uma · Neha
 5. Clue 4 — "Exactly 1 person sits between Rohan and Meera (the shorter way)." ⇒ Meera → seat 2 (2 possibilities left). Table (clockwise from Aditi): Aditi · Meera · _ · Rohan · _ · Uma · Neha
 6. Clue 6 — "Exactly 2 people sit between Deepak and Meera (the shorter way)." ⇒ Deepak → seat 5, Isha → seat 3 (1 possibility left). Table (clockwise from Aditi): Aditi · Meera · Isha · Rohan · Deepak · Uma · Neha
 7. Exactly one seating (up to rotation) survives every clue: Aditi, Meera, Isha, Rohan, Deepak, Uma, Neha clockwise.
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SOLUTION 7

1. Start: 24 distinct seatings (up to rotation) of 5 people around the table. Fix Bhavna at seat 1 and count clockwise — only rotations of the same seating differ.
 2. Clue 1 — "Jaya sits 2nd to the right of Harsh (all facing the centre)." narrows it to 6 possibilities. Table (clockwise from Bhavna): Bhavna · _ · _ · _ · _
 3. Clue 2 — "Imran sits immediately to the left of Harsh (all facing the centre)." narrows it to 2 possibilities. Table (clockwise from Bhavna): Bhavna · _ · _ · _ · _
 4. Clue 4 — "Meera sits 2nd to the right of Imran (all facing the centre)." ⇒ Imran → seat 5, Meera → seat 3, Harsh → seat 4, Jaya → seat 2 (1 possibility left). Table (clockwise from Bhavna): Bhavna · Jaya · Meera · Harsh · Imran
 5. Exactly one seating (up to rotation) survives every clue: Bhavna, Jaya, Meera, Harsh, Imran clockwise.
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SOLUTION 8

1. Start: 24 distinct seatings (up to rotation) of 5 people around the table. Fix Bhavna at seat 1 and count clockwise — only rotations of the same seating differ.
 2. Clue 1 — "Manish sits 2nd to the left of Tarun (all facing the centre)." narrows it to 6 possibilities. Table (clockwise from Bhavna): Bhavna · _ · _ · _ · _
 3. Clue 2 — "Lata sits immediately to the right of Manish (all facing the centre)." narrows it to 2 possibilities. Table (clockwise from Bhavna): Bhavna · _ · _ · _ · _
 4. Clue 4 — "Tarun sits immediately to the left of Meera (all facing the centre)." ⇒ Lata → seat 4, Meera → seat 2, Manish → seat 5, Tarun → seat 3 (1 possibility left). Table (clockwise from Bhavna): Bhavna · Meera · Tarun · Lata · Manish
 5. Exactly one seating (up to rotation) survives every clue: Bhavna, Meera, Tarun, Lata, Manish clockwise.
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SOLUTION 9

1. Start: 120 distinct seatings (up to rotation) of 6 people around the table. Fix Imran at seat 1 and count clockwise — only rotations of the same seating differ.
 2. Clue 1 — "Imran sits immediately to the right of Uma (all facing the centre)." $\Rightarrow$ Uma $\rightarrow$ seat 2 (24 possibilities left). Table (clockwise from Imran): Imran $\cdot$ Uma $\cdot$ _ $\cdot$ _ $\cdot$ _ $\cdot$ _
 3. Clue 3 — "Rohan sits immediately to the left of Rahul (all facing the centre)." narrows it to 6 possibilities. Table (clockwise from Imran): Imran $\cdot$ Uma $\cdot$ _ $\cdot$ _ $\cdot$ _ $\cdot$ _
 4. Clue 4 — "Imran sits 2nd to the left of Rahul (all facing the centre)." $\Rightarrow$ Rohan $\rightarrow$ seat 6, Rahul $\rightarrow$ seat 5 (2 possibilities left). Table (clockwise from Imran): Imran $\cdot$ Uma $\cdot$ _ $\cdot$ _ $\cdot$ Rahul $\cdot$ Rohan
 5. Clue 5 — "Isha sits 3rd to the left of Rohan (all facing the centre)." $\Rightarrow$ Isha $\rightarrow$ seat 3, Zoya $\rightarrow$ seat 4 (1 possibility left). Table (clockwise from Imran): Imran $\cdot$ Uma $\cdot$ Isha $\cdot$ Zoya $\cdot$ Rahul $\cdot$ Rohan
 6. Exactly one seating (up to rotation) survives every clue: Imran, Uma, Isha, Zoya, Rahul, Rohan clockwise.
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SOLUTION 10

1. Start: 120 distinct seatings (up to rotation) of 6 people around the table. Fix Gauri at seat 1 and count clockwise — only rotations of the same seating differ.
 2. Clue 2 — "Yash sits immediately to the right of Tarun (all facing the centre)." narrows it to 24 possibilities. Table (clockwise from Gauri): Gauri $\cdot$ _ $\cdot$ _ $\cdot$ _ $\cdot$ _ $\cdot$ _
 3. Clue 3 — "Gauri sits 2nd to the left of Yash (all facing the centre)." $\Rightarrow$ Yash $\rightarrow$ seat 5, Tarun $\rightarrow$ seat 6 (6 possibilities left). Table (clockwise from Gauri): Gauri $\cdot$ _ $\cdot$ _ $\cdot$ _ $\cdot$ Yash $\cdot$ Tarun
 4. Clue 4 — "Gauri sits immediately to the right of Zoya (all facing the centre)." $\Rightarrow$ Zoya $\rightarrow$ seat 2 (2 possibilities left). Table (clockwise from Gauri): Gauri $\cdot$ Zoya $\cdot$ _ $\cdot$ _ $\cdot$ Yash $\cdot$ Tarun
 5. Clue 1 — "Exactly 1 person sits between Priya and Gauri (the shorter way)." $\Rightarrow$ Priya $\rightarrow$ seat 3, Manish $\rightarrow$ seat 4 (1 possibility left). Table (clockwise from Gauri): Gauri $\cdot$ Zoya $\cdot$ Priya $\cdot$ Manish $\cdot$ Yash $\cdot$ Tarun
 6. Exactly one seating (up to rotation) survives every clue: Gauri, Zoya, Priya, Manish, Yash, Tarun clockwise.
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SOLUTION 11

1. Start: 120 distinct seatings (up to rotation) of 6 people around the table. Fix Divya at seat 1 and count clockwise — only rotations of the same seating differ.
 2. Clue 3 — "Divya sits immediately to the left of Tanvi (all facing the centre)." $\Rightarrow$ Tanvi $\rightarrow$ seat 6 (24 possibilities left). Table (clockwise from Divya): Divya $\cdot$ _ $\cdot$ _ $\cdot$ _ $\cdot$ _ $\cdot$ Tanvi
 3. Clue 1 — "Exactly 1 person sits between Sneha and Divya (the shorter way)." narrows it to 12 possibilities. Table (clockwise from Divya): Divya $\cdot$ _ $\cdot$ _ $\cdot$ _ $\cdot$ _ $\cdot$ Tanvi
 4. Clue 2 — "Exactly 2 people sit between Manish and Priya (the shorter way)." $\Rightarrow$ Sneha $\rightarrow$ seat 3, Omkar $\rightarrow$ seat 4 (2 possibilities left). Table (clockwise from Divya): Divya $\cdot$ _ $\cdot$ Sneha $\cdot$ Omkar $\cdot$ _ $\cdot$ Tanvi
 5. Clue 4 — "Exactly 1 person sits between Manish and Omkar (the shorter way)." $\Rightarrow$ Manish $\rightarrow$ seat 2, Priya $\rightarrow$ seat 5 (1 possibility left). Table (clockwise from Divya): Divya $\cdot$ Manish $\cdot$ Sneha $\cdot$ Omkar $\cdot$ Priya $\cdot$ Tanvi
 6. Exactly one seating (up to rotation) survives every clue: Divya, Manish, Sneha, Omkar, Priya, Tanvi clockwise.
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1. Start: 720 distinct seatings (up to rotation) of 7 people around the table. Fix Chetan at seat 1 and count clockwise — only rotations of the same seating differ.
2. Clue 6 — "Chetan sits immediately to the right of Manish (all facing the centre)." $\Rightarrow$ Manish $\rightarrow$ seat 2 (120 possibilities left).
Table (clockwise from Chetan): Chetan · Manish · _ · _ · _ · _ · _
3. Clue 3 — "Exactly 2 people sit between Esha and Chetan (the shorter way)." narrows it to 48 possibilities. Table (clockwise from Chetan): Chetan · Manish · _ · _ · _ · _ · _
4. Clue 4 — "Exactly 2 people sit between Uma and Gauri (the shorter way)." narrows it to 20 possibilities. Table (clockwise from Chetan): Chetan · Manish · _ · _ · _ · _ · _
5. Clue 5 — "Exactly 1 person sits between Harsh and Esha (the shorter way)." narrows it to 6 possibilities. Table (clockwise from Chetan): Chetan · Manish · _ · _ · _ · _ · _
6. Clue 2 — "Chetan sits next to Gauri." $\Rightarrow$ Gauri $\rightarrow$ seat 7 (2 possibilities left). Table (clockwise from Chetan): Chetan · Manish · _ · _ · _ · _ · Gauri
7. Clue 1 — "Nikhil does NOT sit next to Gauri." $\Rightarrow$ Harsh $\rightarrow$ seat 6, Nikhil $\rightarrow$ seat 5, Esha $\rightarrow$ seat 4, Uma $\rightarrow$ seat 3 (1 possibility left). Table (clockwise from Chetan): Chetan · Manish · Uma · Esha · Nikhil · Harsh · Gauri
8. Exactly one seating (up to rotation) survives every clue: Chetan, Manish, Uma, Esha, Nikhil, Harsh, Gauri clockwise.

One round a day beats one set a month.

A worked set teaches the shape; a clock teaches the speed. Deduce serves a free timed round every day, with a streak, a leaderboard and the full walkthrough after every round.

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