

DEDUCE

FREE SAMPLE · REASONING PRACTICE

20 Reasoning Puzzles — Free

A free taste of the full 150-puzzle collection. Seating, ranking, syllogism, inequality, blood relations, coding, classification & more — solver-validated, with full answers. For IBPS PO, SBI Clerk, SSC, RBI Grade B and all banking exams.

20 Puzzles

10 Reasoning Types

Free

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How to Use This Sample

Arrangement puzzles give you a small group of people in a fixed arrangement (seats, floors, a circle, two rows, or a 1-to-N ranking) and a handful of logic clues — eliminate the impossible placements, find the single arrangement that fits, then answer the question. Multiple-choice puzzles (syllogism, inequality, blood relations, coding, classification) give a short prompt and options A–E — work the rule and pick the one defensible answer.

Method: draw the structure → find the absolute clue (an end / opposite / top floor / rank) → translate relative clues (left/right/higher-lower/next-to) into eliminations → check every clue before answering. Target ~60-90 seconds each — IBPS/SBI exam pace.

Every arrangement puzzle is **solver-validated** (exactly one arrangement fits all clues) and every MCQ answer is **engine-validated**. This sample is 20 of the 150 puzzles in the full eBook.

How to Read Each Arrangement Type

A quick orientation to the five arrangement layouts, each with a tiny worked example and the one mistake that trips most solvers. (Multiple-choice types are self-explanatory from the prompt.)

Floor arrangement. People live on the numbered floors of a building, one per floor. Floor 1 is the lowest and floor N is the topmost. Clues fix who is above/below whom, how many floors apart two people are, or who is on the top/bottom floor.

WORKED EXAMPLE Three people P, Q, R live on floors 1–3. P lives above R; Q lives on the top floor. Q is on floor 3 (top). P is above R, so with floor 3 taken, P is on floor 2 and R on floor 1. Arrangement (top → bottom): floor 3 Q · floor 2 P · floor 1 R.

COMMON MISTAKE lowest = floor 1, topmost = floor N (don't read "floor 1" as the top).

Row seating. People sit in a single row, all facing the same way (north). Seat 1 is the far left and seat N is the far right, so "left" and "right" are the reader's left and right. Clues fix ends, neighbours, Nth-from-an-end positions, and how many sit between two people.

WORKED EXAMPLE P, Q, R sit in a row facing north (seat 1 = far left). P sits at the far left; R sits to Q's right. P is in seat 1. R is to Q's right, so Q is in seat 2 and R in seat 3. Arrangement (left → right): P · Q · R.

COMMON MISTAKE all face north, so left/right are the reader's left/right (seat 1 = far left).

Order & Ranking. People are ranked from 1 to N with no ties. Rank 1 is the top (highest) and rank N is the bottom (lowest). Clues fix who ranks above/below whom, Nth-from-top or Nth-from-bottom positions, and how many people rank between two people.

WORKED EXAMPLE L, M, N are ranked 1–3 (rank 1 = top). L ranks above M; N is ranked last. N is rank 3 (bottom). L above M, with rank 3 taken, puts L at rank 1 and M at rank 2. Order (top → bottom): rank 1 L · rank 2 M · rank 3 N.

COMMON MISTAKE rank 1 = top (highest); rank N = bottom (lowest).

Circular seating. People sit around a circular table, all facing the centre. Because everyone faces in, a person's LEFT is the next seat clockwise and their RIGHT is the next seat anticlockwise. Clues fix neighbours, who faces whom (even N), and how many sit between two people.

WORKED EXAMPLE A, B, C, D sit around a table facing the centre. B is immediately to the left of A; C faces A. Facing the centre, B's seat is one step clockwise from A. With 4 seats, C is directly opposite A. Clockwise from A: A · B · C · D — so D is immediately to A's right.

COMMON MISTAKE facing the centre ⇒ LEFT = clockwise, RIGHT = anticlockwise.

Double-row (facing) seating. Two equal rows sit facing each other in aligned columns — one row faces north, the other faces south. The person "opposite" someone sits in the SAME column in the other row. Because the rows face opposite ways, a north-facer's left is a south-facer's right.

WORKED EXAMPLE P, Q face south; X, Y face north, in two rows. P is opposite X; Q sits to P's right. P and X share a column (P opposite X). Q is in P's row; the remaining north seat (opposite Q) is Y. North row (W → E): X · Y | South row (W → E): P · Q — and Q faces Y.

COMMON MISTAKE the person opposite X is in the SAME column, the other row (not diagonally across).

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Puzzle 1 EASY Easy

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Harsh, Priya, Rahul, Omkar live on the 4 different floors of a building (floor 1 = lowest, floor 4 = topmost).

Clues:

- There is exactly 1 floor between Priya and Rahul.
- Omkar lives on a floor somewhere above Harsh.
- Rahul lives on a floor somewhere above Omkar.

Question:

Who lives on floor 2? (The lowest floor is floor 1; the topmost is floor 4.)

Puzzle 2 HARD Hard

[↑ Index](#)

Divya, Sneha, Chetan, Lata, Bhavna, Geeta live on the 6 different floors of a building (floor 1 = lowest, floor 6 = topmost).

Clues:

- Lata lives on neither the topmost nor the lowest floor.
- Divya lives on neither the topmost nor the lowest floor.
- Lata and Bhavna do NOT live on adjacent floors.
- Sneha lives on neither the topmost nor the lowest floor.
- Lata and Geeta do NOT live on adjacent floors.
- Divya and Geeta do NOT live on adjacent floors.
- Divya and Chetan do NOT live on adjacent floors.
- Chetan and Lata do NOT live on adjacent floors.
- Geeta lives on neither the topmost nor the lowest floor.
- Chetan lives on a floor somewhere above Lata.

Question:

How many floors are there between Divya and Sneha?

Puzzle 3

EASY*Easy*[↑ Index](#)

Tarun, Divya, Tanvi, Zoya are ranked from 1 to 4 (rank 1 = highest, rank 4 = lowest); no two share a rank.

Clues:

- Tarun is ranked lower than Tanvi.
- Divya is ranked immediately below Tarun.
- Exactly 2 people are ranked between Tanvi and Zoya.

Question:

Who is ranked 2nd from the top? (Rank 1 = highest, rank 4 = lowest.)

Puzzle 4

MEDIUM*Medium*[↑ Index](#)

Aditi, Harsh, Farhan, Nikhil, Vikram are ranked from 1 to 5 (rank 1 = highest, rank 5 = lowest); no two share a rank.

Clues:

- Nikhil is ranked immediately above Harsh.
- Farhan is ranked immediately above Vikram.
- Aditi is ranked lower than Vikram.
- Vikram is ranked immediately above Nikhil.

Question:

Who is ranked 4th from the bottom?

Puzzle 5 EASY Easy

[↑ Index](#)

Sneha, Vikram, Esha, Lata sit in a row of 4 seats, all facing north (seat 1 = far left, seat 4 = far right).

Clues:

- Sneha sits somewhere to the left of Vikram.
- Vikram sits immediately to the left of Lata.
- Esha sits somewhere to the left of Sneha.

Question:

Who sits in seat 2 counting from the left end? (Seat 1 = far left ... seat 4 = far right.)

Puzzle 6 HARD Hard

[↑ Index](#)

Yash, Jaya, Farhan, Isha, Anjali, Tanvi sit in a row of 6 seats, all facing north (seat 1 = far left, seat 6 = far right).

Clues:

- Jaya and Tanvi do NOT sit next to each other.
- Yash and Tanvi do NOT sit next to each other.
- Farhan and Anjali do NOT sit next to each other.
- Yash and Jaya do NOT sit next to each other.
- Jaya and Farhan do NOT sit next to each other.
- Tanvi does NOT sit at either extreme end of the row.
- Jaya and Anjali do NOT sit next to each other.
- Anjali and Tanvi do NOT sit next to each other.
- Anjali sits somewhere to the right of Jaya.
- Isha does NOT sit at either extreme end of the row.

Question:

Who sits 5th from the right end of the row?

Puzzle 7 EASY Easy

[↑ Index](#)

Harsh, Rohan, Tarun, Karan, Esha sit around a circular table, all facing the centre.

Clues:

- Esha sits 2nd to the left of Tarun (all facing the centre).
- Rohan sits 2nd to the right of Harsh (all facing the centre).
- Esha sits immediately to the left of Rohan (all facing the centre).
- Harsh sits next to Karan.

Question:

Who sits immediately to the LEFT of Harsh (all facing the centre)?

Puzzle 8 MEDIUM Medium

[↑ Index](#)

Omkar, Yash, Rahul, Varun, Rohan, Farhan sit around a circular table, all facing the centre.

Clues:

- Farhan sits 3rd to the left of Yash (all facing the centre).
- Exactly 1 person sits between Omkar and Varun (the shorter way).
- Omkar sits 3rd to the left of Rohan (all facing the centre).
- Varun sits immediately to the left of Farhan (all facing the centre).
- Rahul sits immediately to the right of Omkar (all facing the centre).

Question:

Who sits immediately to the RIGHT of Yash (all facing the centre)?

Puzzle 9

EASY*Easy*[↑ Index](#)

Sanjay, Rohan, Gauri, Lata sit in two rows of 2, facing each other — one row faces north, the other faces south, aligned in columns.

Clues:

- Sanjay faces north.
- Sanjay sits directly opposite Lata (they face each other).
- Rohan sits immediately to the left of Lata (both facing south).
- Gauri sits at an extreme end of their row.

Question:

Who sits immediately to the LEFT of Sanjay (in Sanjay's own row, from Sanjay's point of view)?

Puzzle 10

HARD*Hard*[↑ Index](#)

Manish, Farhan, Zoya, Divya, Aditi, Deepak sit in two rows of 3, facing each other — one row faces north, the other faces south, aligned in columns.

Clues:

- Manish does NOT sit at either extreme end of their row.
- Zoya does NOT sit directly opposite Divya.
- Exactly 1 person sits between Farhan and Zoya in the same row.
- Deepak sits immediately to the left of Zoya (both facing north).
- Deepak faces north.
- Divya does NOT sit directly opposite Aditi.

Question:

Who sits immediately to the RIGHT of Manish (in Manish's own row, from Manish's point of view)?

Puzzle 11**EASY***Easy*[↑ Index](#)**SYLLOGISM (STATEMENTS & CONCLUSIONS)**

Take the two statements to be true even if they differ from commonly known facts, then decide which conclusion logically follows.

Given:

- Statements: No players are books. All books are cats.
- Conclusion I: No players are cats.
- Conclusion II: Some players are cats.

Options:

- A** Only conclusion I follows
- B** Only conclusion II follows
- C** Either conclusion I or II follows
- D** Neither conclusion I nor II follows
- E** Both conclusions I and II follow

Puzzle 12**HARD***Hard*[↑ Index](#)**SYLLOGISM (STATEMENTS & CONCLUSIONS)**

Take the two statements to be true even if they differ from commonly known facts, then decide which conclusion logically follows.

Given:

- Statements: Some teachers are dogs. Some dogs are birds.
- Conclusion I: No teachers are birds.
- Conclusion II: Some birds are not teachers.

Options:

- A** Only conclusion I follows
- B** Only conclusion II follows
- C** Either conclusion I or II follows
- D** Neither conclusion I nor II follows
- E** Both conclusions I and II follow

Puzzle 13**EASY***Easy*[↑ Index](#)**CODED INEQUALITY**

Which of the following conclusions is DEFINITELY true from the given expression?

Given:

- Code: $*$ = $>$, $\%$ = $\geq$, $\#$ = $<$, $\$$ = $\leq$, $@$ = $=$
- Expression: $D * E, E * C$

Options:

- A** $E = D$
- B** $D > C$
- C** $D < C$
- D** $E \leq C$
- E** $C > E$

Puzzle 14**HARD***Hard*[↑ Index](#)**CODED INEQUALITY**

Which of the following conclusions is DEFINITELY true from the given expression?

Given:

- Code: $\%$ = $>$, $@$ = $\geq$, $*$ = $<$, $\$$ = $\leq$, $\#$ = $=$
- Expression: $E @ D, D @ F, F @ A, A @ B, D \% A$

Options:

- A** $D > B$
- B** $F \geq D$
- C** $B \geq F$
- D** $A \leq B$
- E** $A > D$

Puzzle 15**EASY***Easy*[↑ Index](#)**BLOOD RELATIONS**

How is Aman related to Anjali?

Given:

- Use only the relationships stated below.
- Aman is the father of Anjali.

Options:

- A** father
- B** nephew
- C** mother
- D** son
- E** brother

Puzzle 16**MEDIUM***Medium*[↑ Index](#)**BLOOD RELATIONS**

How is Neha related to Sanjay?

Given:

- Use only the relationships stated below.
- Neha is the mother of Aman.
- Aman is the father of Sanjay.

Options:

- A** grandmother
- B** sister
- C** mother
- D** granddaughter
- E** grandfather

Puzzle 17**EASY***Easy*[↑ Index](#)**CODING-DECODING (LETTER SHIFT)**

If "PIG" is written as "TMK" in a certain code, how is "FAN" written in that code?

Given:

- Determine the coding pattern from the example and apply it to the target word.

Options:

- A** IDQ
- B** JER
- C** HCP
- D** KFS
- E** LGT

Puzzle 18**HARD***Hard*[↑ Index](#)**CODING-DECODING (LETTER SHIFT)**

If "JUNGLE" is written as "NYRKPI" in a certain code, how is "SILVER" written in that code?

Given:

- Determine the coding pattern from the example and apply it to the target word.

Options:

- A** XNQAJW
- B** VLOYHU
- C** YORBKX
- D** UKNXGT
- E** WMPZIV

Puzzle 19**EASY***Easy*[↑ Index](#)**CLASSIFICATION (ODD ONE OUT)**

Four of these five numbers are alike in a certain way and form a group. Which number does NOT belong to that group?

Given:**Options:****A** 34**B** 46**C** 26**D** 38**E** 45

Puzzle 20**HARD***Hard*[↑ Index](#)**CLASSIFICATION (ODD ONE OUT)**

Four of these five numbers are alike in a certain way and form a group. Which number does NOT belong to that group?

Given:**Options:****A** 43**B** 71**C** 79**D** 41**E** 96

Solutions

Worked solutions for every puzzle. Each shows the answer and — for arrangement puzzles — the exact deduction chain (clue by clue) that pins the single valid arrangement. Try the puzzle first; read the walkthrough to learn the method.

Solution 1 EASY Easy · Floor arrangement

[↑ Index](#)

Q. Who lives on floor 2? (The lowest floor is floor 1; the topmost is floor 4.)

FINAL ARRANGEMENT

floor 1: Harsh · floor 2: Priya · floor 3: Omkar · floor 4: Rahul

Answer: Priya lives on floor 2.

How to solve:

1. Start: 24 possible arrangements of 4 people.
2. Clue 1 — "There is exactly 1 floor between Priya and Rahul." narrows it to 8 possibilities.
3. Clue 2 — "Omkar lives on a floor somewhere above Harsh." narrows it to 4 possibilities.
4. Clue 3 — "Rahul lives on a floor somewhere above Omkar." $\Rightarrow$ Harsh $\rightarrow$ floor 1, Priya $\rightarrow$ floor 2, Rahul $\rightarrow$ floor 4, Omkar $\rightarrow$ floor 3 (1 possibility left).
5. Exactly one arrangement survives every clue — that is the answer.

Solution 2 HARD Hard · Floor arrangement

[↑ Index](#)

Q. How many floors are there between Divya and Sneha?

FINAL ARRANGEMENT

floor 1: Bhavna · floor 2: Divya · floor 3: Lata · floor 4: Sneha · floor 5: Geeta · floor 6: Chetan

Answer: 1 floor(s) lie between Divya and Sneha.

How to solve:

1. Start: 720 possible arrangements of 6 people.
2. Clue 10 — "Chetan lives on a floor somewhere above Lata." narrows it to 360 possibilities.
3. Clue 1 — "Lata lives on neither the topmost nor the lowest floor." narrows it to 240 possibilities.
4. Clue 2 — "Divya lives on neither the topmost nor the lowest floor." narrows it to 144 possibilities.
5. Clue 4 — "Sneha lives on neither the topmost nor the lowest floor." narrows it to 72 possibilities.
6. Clue 9 — "Geeta lives on neither the topmost nor the lowest floor." ⇒ Chetan → floor 6, Bhavna → floor 1 (24 possibilities left).
7. Clue 3 — "Lata and Bhavna do NOT live on adjacent floors." narrows it to 18 possibilities.
8. Clue 5 — "Lata and Geeta do NOT live on adjacent floors." narrows it to 8 possibilities.
9. Clue 6 — "Divya and Geeta do NOT live on adjacent floors." narrows it to 3 possibilities.
10. Clue 7 — "Divya and Chetan do NOT live on adjacent floors." narrows it to 2 possibilities.
11. Clue 8 — "Chetan and Lata do NOT live on adjacent floors." ⇒ Divya → floor 2, Sneha → floor 4, Lata → floor 3, Geeta → floor 5 (1 possibility left).
12. Exactly one arrangement survives every clue — that is the answer.

Solution 3 EASY Easy · Order & Ranking

[↑ Index](#)

Q. Who is ranked 2nd from the top? (Rank 1 = highest, rank 4 = lowest.)

FINAL ARRANGEMENT

rank 1: Tanvi · rank 2: Tarun · rank 3: Divya · rank 4: Zoya

Answer: Tarun is ranked 2nd from the top.

How to solve:

1. Start: 24 possible rankings of 4 people.
2. Clue 2 — "Divya is ranked immediately below Tarun." narrows it to 6 possibilities.
3. Clue 3 — "Exactly 2 people are ranked between Tanvi and Zoya." ⇒ Tarun → rank 2 (2nd from top), Divya → rank 3 (3rd from top) (2 possibilities left).
4. Clue 1 — "Tarun is ranked lower than Tanvi." ⇒ Tanvi → rank 1 (top), Zoya → rank 4 (bottom) (1 possibility left).
5. Exactly one ranking survives every clue — that is the answer.

Solution 4 MEDIUM Medium · Order & Ranking

[↑ Index](#)

Q. Who is ranked 4th from the bottom?

FINAL ARRANGEMENT

rank 1: Farhan · rank 2: Vikram · rank 3: Nikhil · rank 4: Harsh · rank 5: Aditi

Answer: Vikram is ranked 4th from the bottom.

How to solve:

1. Start: 120 possible rankings of 5 people.
2. Clue 1 — "Nikhil is ranked immediately above Harsh." narrows it to 24 possibilities.
3. Clue 2 — "Farhan is ranked immediately above Vikram." narrows it to 6 possibilities.
4. Clue 4 — "Vikram is ranked immediately above Nikhil." narrows it to 2 possibilities.
5. Clue 3 — "Aditi is ranked lower than Vikram." ⇒ Aditi → rank 5 (bottom), Harsh → rank 4 (4th from top), Farhan → rank 1 (top), Nikhil → rank 3 (3rd from top), Vikram → rank 2 (2nd from top) (1 possibility left).
6. Exactly one ranking survives every clue — that is the answer.

Solution 5 EASY Easy · Row seating

[↑ Index](#)

Q. Who sits in seat 2 counting from the left end? (Seat 1 = far left ... seat 4 = far right.)

FINAL ARRANGEMENT

(left → right) Esha · Sneha · Vikram · Lata

Answer: Sneha sits in seat 2.

How to solve:

1. Start: 24 possible left-to-right orders of 4 people.
2. Clue 1 — "Sneha sits somewhere to the left of Vikram." leaves 12 possibilities.
3. Clue 2 — "Vikram sits immediately to the left of Lata." leaves 3 possibilities.
4. Clue 3 — "Esha sits somewhere to the left of Sneha." leaves 1 possibility. The surviving order is Esha, Sneha, Vikram, Lata (left to right).
5. Exactly one order survives every clue: Esha, Sneha, Vikram, Lata (left to right).

Solution 6**HARD***Hard · Row seating*[↑ Index](#)

Q. Who sits 5th from the right end of the row?

FINAL ARRANGEMENT

(left → right) Jaya · Isha · Tanvi · Farhan · Yash · Anjali

Answer: Isha sits 5th from the right end.

How to solve:

1. Start: 720 possible left-to-right orders of 6 people.
2. Clue 1 — "Jaya and Tanvi do NOT sit next to each other." leaves 480 possibilities.
3. Clue 2 — "Yash and Tanvi do NOT sit next to each other." leaves 288 possibilities.
4. Clue 3 — "Farhan and Anjali do NOT sit next to each other." leaves 216 possibilities.
5. Clue 4 — "Yash and Jaya do NOT sit next to each other." leaves 120 possibilities.
6. Clue 5 — "Jaya and Farhan do NOT sit next to each other." leaves 56 possibilities.
7. Clue 6 — "Tanvi does NOT sit at either extreme end of the row." leaves 34 possibilities.
8. Clue 7 — "Jaya and Anjali do NOT sit next to each other." leaves 12 possibilities.
9. Clue 8 — "Anjali and Tanvi do NOT sit next to each other." leaves 2 possibilities.
10. Clue 9 — "Anjali sits somewhere to the right of Jaya." leaves 1 possibility. The surviving order is Jaya, Isha, Tanvi, Farhan, Yash, Anjali (left to right).
11. Clue 10 — "Isha does NOT sit at either extreme end of the row." leaves 1 possibility. The surviving order is Jaya, Isha, Tanvi, Farhan, Yash, Anjali (left to right).
12. Exactly one order survives every clue: Jaya, Isha, Tanvi, Farhan, Yash, Anjali (left to right).

Solution 7**EASY***Easy · Circular seating*[↑ Index](#)

Q. Who sits immediately to the LEFT of Harsh (all facing the centre)?

FINAL ARRANGEMENT

clockwise around the table: Esha · Harsh · Karan · Tarun · Rohan

Answer: Karan sits immediately to the left of Harsh.

How to solve:

1. Start: 24 distinct seatings (up to rotation) of 5 people around the table.
2. Clue 1 — "Esha sits 2nd to the left of Tarun (all facing the centre)." leaves 6 possibilities.
3. Clue 2 — "Rohan sits 2nd to the right of Harsh (all facing the centre)." leaves 2 possibilities.
4. Clue 3 — "Esha sits immediately to the left of Rohan (all facing the centre)." leaves 1 possibility. The surviving clockwise order is Esha, Harsh, Karan, Tarun, Rohan.
5. Clue 4 — "Harsh sits next to Karan." leaves 1 possibility. The surviving clockwise order is Esha, Harsh, Karan, Tarun, Rohan.
6. Exactly one seating (up to rotation) survives every clue: Esha, Harsh, Karan, Tarun, Rohan clockwise.

Solution 8**MEDIUM**

Medium · Circular seating

[↑ Index](#)

Q. Who sits immediately to the RIGHT of Yash (all facing the centre)?

FINAL ARRANGEMENT

clockwise around the table: Farhan · Varun · Rohan · Yash · Rahul · Omkar

Answer: Rohan sits immediately to the right of Yash.

How to solve:

1. Start: 120 distinct seatings (up to rotation) of 6 people around the table.
2. Clue 1 — "Farhan sits 3rd to the left of Yash (all facing the centre)." leaves 24 possibilities.
3. Clue 2 — "Exactly 1 person sits between Omkar and Varun (the shorter way)." leaves 8 possibilities.
4. Clue 3 — "Omkar sits 3rd to the left of Rohan (all facing the centre)." leaves 4 possibilities.
5. Clue 4 — "Varun sits immediately to the left of Farhan (all facing the centre)." leaves 1 possibility. The surviving clockwise order is Farhan, Varun, Rohan, Yash, Rahul, Omkar.
6. Clue 5 — "Rahul sits immediately to the right of Omkar (all facing the centre)." leaves 1 possibility. The surviving clockwise order is Farhan, Varun, Rohan, Yash, Rahul, Omkar.
7. Exactly one seating (up to rotation) survives every clue: Farhan, Varun, Rohan, Yash, Rahul, Omkar clockwise.

Solution 9**EASY**

Easy · Double-row (facing) seating

[↑ Index](#)

Q. Who sits immediately to the LEFT of Sanjay (in Sanjay's own row, from Sanjay's point of view)?

FINAL ARRANGEMENT

North row (W → E): Sanjay · Gauri | South row (W → E): Lata · Rohan

Answer: — (no one) sits immediately to the left of Sanjay.

How to solve:

1. Start: 24 ways to seat 4 people in two facing rows of 2.
2. Clue 1 — "Sanjay faces north." leaves 12 possibilities.
3. Clue 2 — "Sanjay sits directly opposite Lata (they face each other)." leaves 4 possibilities.
4. Clue 3 — "Rohan sits immediately to the left of Lata (both facing south)." leaves 1 possibility. The surviving seating is north row: Sanjay, Gauri; south row: Lata, Rohan.
5. Clue 4 — "Gauri sits at an extreme end of their row." leaves 1 possibility. The surviving seating is north row: Sanjay, Gauri; south row: Lata, Rohan.
6. Exactly one seating survives every clue — north row: Sanjay, Gauri; south row: Lata, Rohan.

Solution 10 HARD *Hard · Double-row (facing) seating*[↑ Index](#)

Q. Who sits immediately to the RIGHT of Manish (in Manish's own row, from Manish's point of view)?

FINAL ARRANGEMENT

North row (W → E): Farhan · Deepak · Zoya | South row (W → E): Divya · Manish · Aditi

Answer: Divya sits immediately to the right of Manish.

How to solve:

1. Start: 720 ways to seat 6 people in two facing rows of 3.
2. Clue 1 — "Manish does NOT sit at either extreme end of their row." leaves 240 possibilities.
3. Clue 2 — "Zoya does NOT sit directly opposite Divya." leaves 192 possibilities.
4. Clue 3 — "Exactly 1 person sits between Farhan and Zoya in the same row." leaves 32 possibilities.
5. Clue 4 — "Deepak sits immediately to the left of Zoya (both facing north)." leaves 2 possibilities.
6. Clue 5 — "Deepak faces north." leaves 1 possibility. The surviving seating is north row: Farhan, Deepak, Zoya; south row: Divya, Manish, Aditi.
7. Clue 6 — "Divya does NOT sit directly opposite Aditi." leaves 1 possibility. The surviving seating is north row: Farhan, Deepak, Zoya; south row: Divya, Manish, Aditi.
8. Exactly one seating survives every clue — north row: Farhan, Deepak, Zoya; south row: Divya, Manish, Aditi.

Solution 11 EASY *Easy · Syllogism (statements & conclusions)*[↑ Index](#)

Q. Take the two statements to be true even if they differ from commonly known facts, then decide which conclusion logically follows.

Answer: C) Either conclusion I or II follows

Why:

1. Conclusion I ("No players are cats") need not follow — the statements allow a situation where it is false.
2. Conclusion II ("Some players are cats") need not follow — the statements allow a situation where it is false.
3. Conclusions I and II are a complementary pair — exactly one must be true in every case, but the statements do not fix which. So either I or II follows.

Solution 12 HARD *Hard · Syllogism (statements & conclusions)*[↑ Index](#)

Q. Take the two statements to be true even if they differ from commonly known facts, then decide which conclusion logically follows.

Answer: D) Neither conclusion I nor II follows

Why:

1. Conclusion I ("No teachers are birds") need not follow — the statements allow a situation where it is false.
2. Conclusion II ("Some birds are not teachers") need not follow — the statements allow a situation where it is false.
3. So neither conclusion follows.

Solution 13 EASY Easy · Coded Inequality[↑ Index](#)

Q. Which of the following conclusions is DEFINITELY true from the given expression?

Answer: B) $D > C$

Why:

1. First decode each symbol: * means $>$, % means $>=$, # means $<$, \$ means $<=$, @ means $=$.
2. So the expression reads: $D > E$, $E > C$.
3. Run the chain: " $\geq$ " combines to " $\geq$ ", but a strict " $>$ " anywhere on the path makes the result strict " $>$ " (e.g. $A \geq B > C \Rightarrow A > C$). " $=$ " links both directions.
4. From the closure, $D > C$ is the only option that must hold — the others are either false or can't be concluded.

Solution 14 HARD Hard · Coded Inequality[↑ Index](#)

Q. Which of the following conclusions is DEFINITELY true from the given expression?

Answer: A) $D > B$

Why:

1. First decode each symbol: % means $>$, @ means $>=$, * means $<$, \$ means $<=$, # means $=$.
2. So the expression reads: $E >= D$, $D >= F$, $F >= A$, $A >= B$, $D > A$.
3. Run the chain: " $\geq$ " combines to " $\geq$ ", but a strict " $>$ " anywhere on the path makes the result strict " $>$ " (e.g. $A \geq B > C \Rightarrow A > C$). " $=$ " links both directions.
4. From the closure, $D > B$ is the only option that must hold — the others are either false or can't be concluded.

Solution 15 EASY Easy · Blood relations[↑ Index](#)

Q. How is Aman related to Anjali?

Answer: A) father

Why:

1. Given: Aman is the father of Anjali.
2. Aman is directly a father of Anjali.
3. So Aman is the father of Anjali.

Solution 16 **MEDIUM** Medium · Blood relations[↑ Index](#)

Q. How is Neha related to Sanjay?

Answer: A) grandmother

Why:

1. Given: Neha is the mother of Aman. Aman is the father of Sanjay.
2. Neha is two generations from Sanjay, so Neha is the grandmother of Sanjay.
3. So Neha is the grandmother of Sanjay.

Solution 17 **EASY** Easy · Coding-Decoding (letter shift)[↑ Index](#)

Q. If "PIG" is written as "TMK" in a certain code, how is "FAN" written in that code?

Answer: B) JER

Why:

1. Compare "PIG" → "TMK": each letter shifts forward by 4 (wrapping past Z).
2. Apply the same +4 shift to "FAN": F → J, A → E, N → R.
3. So "FAN" is written as "JER".

Solution 18 **HARD** Hard · Coding-Decoding (letter shift)[↑ Index](#)

Q. If "JUNGLE" is written as "NYRKPI" in a certain code, how is "SILVER" written in that code?

Answer: E) WMPZIV

Why:

1. Compare "JUNGLE" → "NYRKPI": each letter shifts forward by 4 (wrapping past Z).
2. Apply the same +4 shift to "SILVER": S → W, I → M, L → P, V → Z, E → I, R → V.
3. So "SILVER" is written as "WMPZIV".

Solution 19 **EASY** Easy · Classification (odd one out)[↑ Index](#)

Q. Four of these five numbers are alike in a certain way and form a group. Which number does NOT belong to that group?

Answer: E) 45

Why:

1. Four of the numbers are each a multiple of 2.
2. 45 is not a multiple of 2, so it is the odd one out.

Solution 20 **HARD** *Hard · Classification (odd one out)*

[↑ Index](#)

Q. Four of these five numbers are alike in a certain way and form a group. Which number does NOT belong to that group?

Answer: E) 96

Why:

1. Four of the numbers are each a prime number.
2. 96 is not a prime number, so it is the odd one out.

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