

PRACTICE TEST · CLASS 07 · LOGICAL REASONING (ANALYTICAL)

# Mixed Facing + Combo Overlays — Profession, Day, Colour

Mixed Facing

Profession Overlay

Day/Weekday Combo

Colour/Food Combo

Two-Attribute Stretch

DATE	TOTAL MARKS	DURATION	MARKING	TARGET
_____	<b>24</b>	<b>24 minutes</b>	<b>+1 / -0.25</b>	<b>≥ 18 / 24</b>

## OBJECTIVES

Drill the mixed-facing mechanics — per-person inversion, the trap of applying one rule uniformly, and the profession / day / colour overlays. Build muscle memory of **FIX THE SEAT FIRST**, then layer the attribute. Two-attribute sets are solved column-by-column on a side table, never crammed onto the seat label. Five sets covering linear and circular mixed-facing puzzles up to a 10-person PYQ capstone.

## INSTRUCTIONS

24 questions across 5 mixed-facing puzzle sets. Each set is a self-contained arrangement with 4-5 rider questions. LABEL EACH PERSON'S FACING ARROW on the diagram BEFORE solving any left/right clue. Two-attribute sets: solve positions first, then map attributes in a separate table. Marking: +1 per correct, -0.25 per wrong. Unattempted = 0. Target: 18 / 24. No calculator.

## SET 01 · MIXED FACING — ROW BASIC

Q 1-5 · 4 MIN · 8 in a row · 4N + 4S

### PUZZLE 1 · EIGHT FRIENDS IN A ROW

Eight friends — P, Q, R, S, T, U, V, W — sit in a row of eight seats. Four of them face North and four face South. From the reader's perspective, seat 1 is the left end and seat 8 is the right end. P sits at seat 1 and faces North. Q sits at seat 8 and faces South. R sits at seat 4 and faces North. S is to the immediate right of R (reader's view) and faces South. T sits at seat 2 and faces South. U sits at seat 7 and faces North. V sits at seat 3 and faces North. W takes the only remaining seat and faces South.

**Q1. Who sits at seat 6 (reader's view)?**

- (A) S (B) U  
(C) V (D) W

**Q2. How many friends sit between V and U in the row?**

- (A) Two (B) Three  
(C) Four (D) Five

**Q3. Who is to T's immediate right from T's own perspective?**

- (A) P (B) V  
(C) R (D) S

**Q4. Which friend sits at seat 5?**

- (A) S (B) T  
(C) W (D) U

**Q5. How many of the four North-facing friends sit in the left half (seats 1-4)?**

- (A) One (B) Two  
(C) Three (D) Four

**PUZZLE 2 · EIGHT AROUND A ROUND TABLE**

Eight people — A, B, C, D, E, F, G, H — sit around a round table. Four of them face the centre and four face away from the centre. Among A, B, C, D — one is the doctor, one the lawyer, one the teacher, one the engineer. E, F, G, H have no profession assigned. A faces the centre and is the doctor. B sits opposite A; B faces away from the centre and is the lawyer. C sits to A's immediate right (A's own perspective); C faces the centre and is the teacher. D sits opposite C; D faces away from the centre and is the engineer. E sits to A's immediate left (A's own perspective); E faces away from the centre. F sits to C's immediate right (C's own perspective); F faces away from the centre. G sits opposite E; G faces the centre. H sits opposite F; H faces the centre.

**Q6. Which person sits two seats clockwise from A?**

- (A) E (B) F  
(C) G (D) H

**Q7. Who sits opposite the teacher?**

- (A) A (B) B  
(C) D (D) H

**Q8. Who sits to B's immediate right from B's own perspective?**

- (A) E (B) F  
(C) G (D) H

**Q9. Which profession is held by the person opposite F?**

- (A) Doctor (B) Lawyer  
(C) Teacher (D) None of A–D

**Q10. How many people sit between A and B going clockwise from A?**

- (A) One (B) Two  
(C) Three (D) Four

**SET 03 · ROW + DAY COMBO****PUZZLE 3 · EIGHT STUDENTS IN A ROW**

Eight students — J, K, L, M, N, O, X, Y — sit in a row of eight seats. Four face North and four face South. From the reader's perspective, seat 1 is the left end and seat 8 is the right end. Each student attends class on exactly one day from Monday to Sunday; exactly one day is shared by two students. J sits at seat 1, faces North, attends Monday. K sits at seat 2, faces South, attends Tuesday. L sits at seat 3, faces North, attends Wednesday. M sits at seat 4, faces South, attends Thursday. N sits at seat 5, faces North, attends Friday. O sits at seat 6, faces South, attends Saturday. X sits at seat 7, faces North, attends Sunday. Y sits at seat 8, faces South, attends Sunday (the shared day).

**Q11. Which student attends class on Friday?**

- (A) M (B) N  
(C) O (D) X

**Q12. Which day is attended by two students?**

- (A) Monday (B) Friday  
(C) Saturday (D) Sunday

**Q13. Who sits to N's immediate left from N's own perspective?**

- (A) M (B) O  
(C) L (D) X

**Q14. How many South-facing students sit to the right of L (reader's view)?**

- (A) Two (B) Three  
(C) Four (D) One

**Q15. Which student is third to the right of K from the reader's perspective?**

- (A) L (B) M  
(C) N (D) O

**SET 04 · CIRCULAR + 2-  
ATTRIBUTE**

**Q 16-20 · 5 MIN · 8 face centre · profession ×  
colour**

**PUZZLE 4 · EIGHT PROFESSIONALS WITH COLOUR PICKS**

Eight people — Anil, Bina, Chetan, Deepak, Esha, Farah, Gita, Hari — sit around a round table; all face the centre. Each has a distinct profession from: doctor, engineer, lawyer, teacher, architect, banker, chef, pilot. Each has a distinct favourite colour from: red, blue, green, yellow, orange, pink, purple, white. Anil is the doctor and likes red. Bina sits opposite Anil; Bina is the engineer and likes blue. Chetan sits to Anil's immediate right (Anil's view); Chetan is the lawyer and likes green. Deepak sits opposite Chetan; Deepak is the teacher and likes yellow. Esha sits to Anil's immediate left (Anil's view); Esha is the architect and likes orange. Farah sits opposite Esha; Farah is the banker and likes pink. Gita sits to Chetan's immediate right (Chetan's view); Gita is the chef and likes purple. Hari takes the only remaining seat; Hari is the pilot and likes white.

**Q16. Who sits opposite the pilot?**

- (A) Chetan (B) Deepak  
(C) Esha (D) Gita

**Q17. Which colour is liked by the person opposite the lawyer?**

- (A) Red (B) Blue  
(C) Yellow (D) White

**Q18. Who sits to Bina's immediate left from Bina's own perspective?**

- (A) Esha (B) Farah  
(C) Gita (D) Hari

**Q19. Which profession is held by the person who likes purple?**

- (A) Banker (B) Chef  
(C) Pilot (D) Architect

**Q20. How many people sit between Anil and Deepak counting clockwise from Anil?**

- (A) One (B) Two  
(C) Three (D) Four

**SET 05 · CAPSTONE**

**Q 21-24 · 5 MIN · 10 circular · mixed-facing + prof + day**

**PUZZLE 5 · TEN PEOPLE AROUND A ROUND TABLE**

Ten people — P1 through P10 — sit around a round table. Seats are numbered 1 to 10 clockwise; person P-k sits at seat k. P1, P3, P5, P7, P9 face the centre; P2, P4, P6, P8, P10 face away. Among P1–P5, the professions are doctor, lawyer, teacher, engineer, architect — in that order. Among P6–P10, the weekdays attended are Monday, Tuesday, Wednesday, Thursday, Friday — in that order. Two seats are 'opposite' if they are five apart on the circle: seat k is opposite seat  $k+5 \pmod{10}$ , with seat 10 opposite seat 5).

**Q21. Who sits opposite the doctor?**

- (A) P5
- (C) P7

- (B) P6
- (D) P10

**Q22. Which weekday is attended by the person sitting opposite the lawyer?**

- (A) Monday
- (C) Wednesday

- (B) Tuesday
- (D) Thursday

**Q23. How many centre-facing people sit strictly between P1 and P5 going clockwise?**

- (A) One
- (C) Three

- (B) Two
- (D) Four

**Q24. Who sits to P3's immediate right from P3's own perspective?**

- (A) P4
- (C) P6

- (B) P2
- (D) P8