

ANSWER KEY · CLASS 07 · LOGICAL REASONING (ANALYTICAL)

Mixed Facing + Combos · ANSWER KEY

Mixed Facing

Profession Overlay

Day Combo

2-Attribute Stretch

Capstone

PURPOSE

Per-set final arrangement (seat + facing + attribute), per-question answer, and a one-line method note. Use this to diagnose where your solving went wrong: did you forget per-person inversion? import one row's facing onto another? skip the attribute table? Patterns repeat — fix the pattern, not just the option.

HOW TO USE THIS KEY

Open the Practice Sheet next to this key. For each Q you got wrong, do NOT just memorise the right option. Re-read the method note, trace it on the diagram, and identify which step of the FIX-SEAT-THEN-LAYER routine you skipped. Mis-labelled facing arrow is the #1 mark-loser — fix the habit, not the symptom.

SET 01 · ANSWERS

Q 1-5 · 8 in a row · mixed facing 4N + 4S

ARRANGEMENT Seat 1-8: **P T V R S W U Q**

FACING Facing → ↑ ↓ ↑ ↑ ↓ ↓ ↑ ↓ (N=↑, S=↓)

METHOD Anchor: P=1(N), T=2(S), V=3(N), R=4(N) by direct clue → S is immediate right of R (reader) → S=5(S). U=7(N), Q=8(S) direct → W fills seat 6 (S). Verify: 4 North (P,V,R,U), 4 South (T,S,W,Q).

Q	ANSWER	METHOD NOTE
Q1	(D) W	Seat 6 = W (the only seat left for W after S→5).
Q2	(B) Three	V at 3, U at 7. Between: seats 4,5,6 = R,S,W = 3 friends.
Q3	(A) P	T at seat 2 faces South → T's right = reader-left = seat 1 = P.
Q4	(A) S	S is to immediate reader-right of R(4) → seat 5 = S.
Q5	(C) Three	North-facers in seats 1-4: P(1), V(3), R(4) = 3 of 4.

SET 02 · ANSWERS

Q 6-10 · 8 circular · mixed facing + 4 professions

ARRANGEMENT Clockwise 1-8: **A C F G B D H E**

FACING Facing (in→centre, out→away): A·in · C·in · F·out · G·in · B·out · D·out · H·in · E·out

METHOD Anchor: A=1 (centre). C to A's right (A faces centre → right = clockwise) → C=2. B opposite A (1↔5) → B=5. D opposite C (2↔6) → D=6. E to A's left (anti-clockwise) → E=8. F to C's right (clockwise) → F=3. G opposite E (8↔4) → G=4. H opposite F (3↔7) → H=7. Professions only on A=Dr, B=Lawyer, C=Teacher, D=Engineer; E,F,G,H have none.

Q	ANSWER	METHOD NOTE
Q6	(B) F	Two seats clockwise from A(1) → seat 3 = F.
Q7	(C) D	Teacher = C(2). Opposite = seat 6 = D (engineer).
Q8	(C) G	B(5) faces away → right = anti-clockwise → seat 4 = G.
Q9	(D) None of A-D	F=3 → opposite = seat 7 = H. H has no profession.
Q10	(C) Three	Clockwise from A(1) to B(5): seats 2,3,4 between = 3 people.

SET 03 · ANSWERS

Q 11-15 · 8 in a row · weekday overlay

ARRANGEMENT	Seat 1-8: J K L M N O X Y
FACING	Facing → ↑ ↓ ↑ ↓ ↑ ↓ ↑ ↓ · Days: Mon Tue Wed Thu Fri Sat Sun Sun
METHOD	All eight positions, facings, and weekdays fixed by direct clues. Pattern: odd seats face North, even face South. Days: Mon→Sun across seats 1-7, then Sunday repeats at seat 8 (the shared day on Y).

Q	ANSWER	METHOD NOTE
Q11	(B) N	Friday is directly attached to N (seat 5).
Q12	(D) Sunday	X and Y both attend Sunday (X=seat 7, Y=seat 8).
Q13	(A) M	N at seat 5 faces North → N's left = reader-right? No, N faces North → left = west = reader-left = seat 4 = M.
Q14	(B) Three	L at seat 3. South-facers in seats 4-8: M(4), O(6), Y(8) = 3.
Q15	(C) N	K at seat 2. Reader-right three steps → seat 5 = N.

SET 04 · ANSWERS

Q 16-20 · 8 circular all-centre · profession × colour

ARRANGEMENT	Clockwise 1-8: Anil Chetan Gita Farah Bina Deepak Hari Esha
FACING	All eight face the centre (uniform). Profession: Dr · Lawyer · Chef · Banker · Engineer · Teacher · Pilot · Architect. Colour: Red · Green · Purple · Pink · Blue · Yellow · White · Orange.
METHOD	Anchor: Anil=1. Chetan to Anil's right (clockwise) → 2. Esha to Anil's left (anti-clockwise) → 8. Bina opp Anil → 5. Deepak opp Chetan → 6. Farah opp Esha → 4. Gita to Chetan's right (clockwise) → 3. Hari = remaining seat → 7. Each profession+colour bound to the named person directly.

Q	ANSWER	METHOD NOTE
Q16	(D) Gita	Pilot = Hari (seat 7). Opposite seat 7 = seat 3 = Gita.
Q17	(C) Yellow	Lawyer = Chetan (seat 2). Opposite seat 2 = seat 6 = Deepak likes yellow.
Q18	(B) Farah	Bina (seat 5) faces centre → left = anti-clockwise → seat 4 = Farah.
Q19	(B) Chef	Purple = Gita = chef (direct clues).
Q20	(D) Four	Clockwise Anil(1)→Deepak(6): seats 2,3,4,5 between = 4 people.

ARRANGEMENT	Seats 1-10 (clockwise): P1 P2 P3 P4 P5 P6 P7 P8 P9 P10
FACING	Facing → in out in out in out in out in out (centre on odd, away on even)
METHOD	P1=Dr, P2=Lawyer, P3=Teacher, P4=Engineer, P5=Architect. P6=Mon, P7=Tue, P8=Wed, P9=Thu, P10=Fri. Opposite pairs (k ↔ k+5): 1-6, 2-7, 3-8, 4-9, 5-10.

Q	ANSWER	METHOD NOTE
Q21	(B) P6	Doctor = P1 (seat 1). Opposite seat 1 = seat 6 = P6.
Q22	(B) Tuesday	Lawyer = P2 (seat 2). Opposite seat 2 = seat 7 = P7 = Tuesday.
Q23	(A) One	Clockwise P1 → P5: seats 2,3,4 between. Centre-facing (odd) among them = only seat 3 (P3) = 1 person.
Q24	(A) P4	P3 faces centre → right = clockwise → seat 4 = P4.