

ANSWER KEY · CLASS 06 · LOGICAL REASONING (ANALYTICAL)

Circular & Square Seating – Round Tables and Vertices · ANSWER KEY

Round Table N

Facing Away (Inversion)

Square Table 2-per-side

Combo Overlay

CLAT Stretch

PURPOSE

Per-set final arrangement diagram, per-question correct option, and a one-line method note. Use this key to diagnose where your solving went wrong: did you forget that facing-away REVERSES right and left? did you mislabel a diagonal on the square table? did you skip writing the facing arrow before placing the first name? 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 round / square diagram, and identify which step you skipped — the facing arrow, the right/left convention, or the final sweep. If you mis-labelled the facing direction on line one, that single error cascades through every later placement. Fix the habit.

SET 01 · ANSWERS

Q 1-5 · 6 around circle, facing centre

ARRANGEMENT Clockwise from top: P -> S -> U -> R -> T -> Q -> (back to P)

FACING All 6 face CENTRE · right = anti-clockwise · left = clockwise

METHOD Anchor: P at top. Facing centre → P's right = CCW, P's left = CW. Q immediate right of P → Q one step CCW from P. S immediate left of P → S one step CW from P. R opposite P → R diametrically across. T between Q and R → T fills the seat between them on the CCW arc. U takes the only remaining seat (between R and S).

Q	ANSWER	METHOD NOTE
Q1	(C) U	Opposite Q on a 6-seat circle = 3 seats away. From Q's slot, 3 across = U.
Q2	(B) T	P's right = CCW. 1st CCW = Q, 2nd CCW = T.
Q3	(D) S	U faces centre → U's right = CCW. One step CCW from U = S.
Q4	(A) One	Clockwise from Q to S: Q -> P -> S. Only P sits between them = 1 person.
Q5	(D) Q and R	T sits between Q and R by direct placement → immediate neighbours = Q and R.

SET 02 · ANSWERS

Q 6-10 · 8 around circle, facing AWAY

ARRANGEMENT Clockwise from top: P → R → S → U → W → V → Q → T → (back to P)

FACING All 8 face AWAY (outward) · right = CLOCKWISE · left = ANTI-CLOCKWISE

METHOD Facing-away INVERSION: each person's right = CW, left = CCW. P at top. Q is 2nd to P's left (= 2nd CW step) → Q at +2 from P. R immediate right of P (= 1st CCW) → R at -1. S opposite Q (4 across). T 3rd to S's left (= 3rd CW from S) places T. U opposite T. V opposite R. W fills the only empty seat.

Q	ANSWER	METHOD NOTE
Q6	(A) P	Opposite W = 4 seats across. W is in the slot whose mirror = P's slot.
Q7	(C) W	V faces away → V's left = CCW. One step CCW from V = W.
Q8	(B) U	P faces away → P's right = CW. 1st CW = R, 2nd = S, 3rd = U.
Q9	(A) P and Q	T sits between P and Q on the circle — trace 1 step each side of T to verify.
Q10	(D) Q	Opposite S = 4 seats across. S was placed opposite Q, so opposite S = Q.

SET 03 · ANSWERS

Q 11-15 · 8 around circle, facing centre

ARRANGEMENT Clockwise from top: A → B → F → E → D → C → G → H → (back to A)

FACING All 8 face CENTRE · right = anti-clockwise · left = clockwise

METHOD A at top. Facing centre → right = CCW, left = CW. B immediate left of A (= 1st CW) → B at +1. C 3rd to A's right (= 3rd CCW) → C at -3 = +5. D opposite A → +4. E immediate right of D (= CCW from D) → D-1 = +3. F immediate left of B (= CW from B) → +2. G 2nd to A's right (= 2nd CCW) → -2 = +6. H takes the last seat = +7.

Q	ANSWER	METHOD NOTE
Q11	(C) E	Opposite H = 4 seats across. H sits in the slot whose mirror = E's slot.
Q12	(A) D	C faces centre → C's right = CCW. One step CCW from C = D.
Q13	(B) H and C	G's two neighbours on the circle are H (one side) and C (other side).
Q14	(A) A	F faces centre → F's right = CCW. 1st CCW from F = B, 2nd CCW = A.
Q15	(C) Three	Anti-clockwise from C: C → D → E → F → B. Between C and B = D, E, F = 3 friends.

SET 04 · ANSWERS

Q 16-20 · 8 around square, 2 per side

ARRANGEMENT	N: B (NW), A (NE) · E: E (EN), F (ES) · S: D (SE), C (SW) · W: G (WS), H (WN)
FACING	All 8 face CENTRE · professions: A=Doctor, B=Engineer, C=Lawyer, D=Teacher, E=Architect, F=Banker, G=Chef, H=Designer
METHOD	B at NW, A at NE (A is B's immediate left from B's perspective — B faces south, B's left = east = A). E immediately CW of A → E at EN (top of E side). F at ES. C opposite A across centre → A=NE, diagonal opposite = SW, so C = SW. D opposite B → B=NW, opposite = SE, so D = SE. G immediately CW of C → C at SW, next CW seat = WS = G. H takes WN.

Q	ANSWER	METHOD NOTE
Q16	(C) the chef (G)	Architect = E (EN). Opposite E across centre = WS = G = chef.
Q17	(D) H	Direct clue: H is the designer.
Q18	(B) E and F	East side seats by direct placement = E and F.
Q19	(C) the teacher and the designer	Chef = G (WS). G's two square-edge neighbours = D (teacher, SE/SW corner adjacent) and H (designer, WN).
Q20	(A) B	A at NE. Clockwise around the square from NE → next seat = NW = B.

SET 05 · ANSWERS Q 21-24 · 10 around circle + weekdays

ARRANGEMENT	Clockwise from top: A -> I -> F -> D -> H -> B -> J -> E -> C -> G -> (back to A)
FACING	All 10 face CENTRE · Mon = A, B · Tue = C, D · Wed = E, F · Thu = G, H · Fri = I, J
METHOD	A at top. Facing centre → right = CCW, left = CW. B opposite A → +5. C 2nd to A's right (2nd CCW) → -2 = +8. D opposite C → +3. E 3rd to A's right (3rd CCW) → -3 = +7. F opposite E → +2. G immediate right of A (1st CCW) → -1 = +9. H opposite G → +4. I immediate left of A (1st CW) → +1. J opposite I → +6.

Q	ANSWER	METHOD NOTE
Q21	(A) F	Opposite E on a 10-seat circle = 5 seats across. F was placed opposite E by direct clue → F.
Q22	(D) J	A's right = CCW. 1st = G, 2nd = C, 3rd = E, 4th = J.
Q23	(B) C and D	Direct clue: C attends Tuesday, D attends Tuesday.
Q24	(A) J	B faces centre → B's left = CW. One step CW from B = J.