

THE ELITE THINKING EXPEDITION 2027

A WEEKLY JOURNEY TO OC & SELECTIVE SUCCESS

SELECTIVE ANSWER PACK

24 September 2026 - N9_G-TS27-20260924-V4 - FINAL RELEASE



EXPEDITION CHECKPOINT

31 weeks to Selective

32 weeks to OC

Provisional May 2027 dates - updated when the official schedule is published

SELECTIVE

ANSWERS AND EXPLANATIONS

QUESTION 1

ANSWER: C**Step 1 - Understand the question**

Follow the direction from wheel A through every touching pair and belt until wheels E and F are reached.

Step 2 - Use the strategy

Write one direction beside each wheel: touching reverses, a straight belt keeps, and a crossed belt reverses.

Step 3 - Apply the strategy

A clockwise makes B anticlockwise and C clockwise. The straight belt keeps D clockwise, so touching F turns anticlockwise. The crossed belt reverses B, so E turns clockwise.

Step 4 - Confirm the answer

C. E turns clockwise and F turns anticlockwise.

QUESTION 2

ANSWER: C**Step 1 - Understand the question**

Find the fact that makes this choice more worthwhile.

Step 2 - Use the strategy

To strengthen an argument, close its support gap. Here, check whether students would really use the quiet zone often enough.

Step 3 - Apply the strategy

Forty regular users show strong demand for the supervised zone. A reduces the need, while B and D do not show that the zone would help enough students.

Step 4 - Confirm the answer

C. Regular use by forty students strengthens the argument.

QUESTION 3

ANSWER: B

Step 1 - Understand the question

Use the casing fact to remove one sensor possibility, then follow what the remaining sensor guarantees.

Step 2 - Use the strategy

Translate 'rain sensor only with approved casing' as rain sensor means approved casing, and use its safe contrapositive before applying the at-least-one rule.

Step 3 - Apply the strategy

Kestrel's casing is not approved, so it cannot have a rain sensor. A selected project needs at least one sensor, so Kestrel must have a wind sensor. That guarantees protection for its data logger.

Step 4 - Confirm the answer

B. Kestrel's data logger must be protected from gusts.

QUESTION 4

ANSWER: C

Step 1 - Understand the question

Compare total completion times for 360 kits, including resets only between complete batches.

Step 2 - Use the strategy

For each team, find the number of batches, multiply by batch time, then add one fewer reset than the number of batches.

Step 3 - Apply the strategy

A needs 10 batches: $60 + 18 = 78$ minutes. B needs 8: $64 + 14 = 78$. C needs 6: $66 + 5 = 71$. D needs 5: $65 + 8 = 73$.

Step 4 - Confirm the answer

C. Team C finishes first in 71 minutes.

QUESTION 5

ANSWER: A**Step 1 - Understand the question**

Place the six people around one circle and find the person one seat clockwise from Eli.

Step 2 - Use the strategy

Fix Ari anywhere, place Bo opposite and Chen immediately clockwise, then use Dara's two-neighbour clue before placing Eli.

Step 3 - Apply the strategy

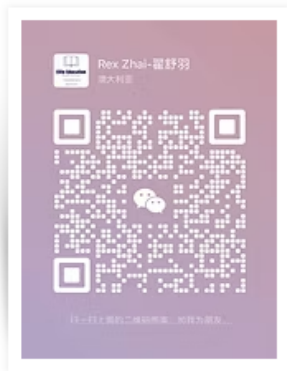
With Ari fixed, Chen takes the next clockwise seat and Bo the opposite seat. The only seat next to both Chen and Bo belongs to Dara. Eli is opposite Dara, which places Ari immediately clockwise of Eli.

Step 4 - Confirm the answer

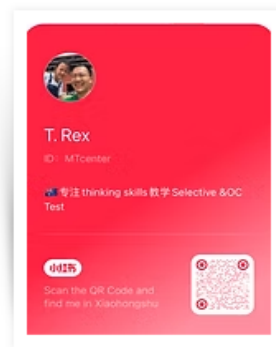
A. Ari must sit immediately clockwise of Eli.

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Answers and four-step explanations

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