

Deduction Mysteries

CASE 01

A science project was taken from the exam preparation room of Cedarvale High between 02:15 and 04:45. The operation required specific qualifications and access. 6 suspects: Enzo (principal), Theo (substitute teacher), Fariha (secretary), Elspeth (janitor), Nizar (librarian), Florian (teacher).

Q Who took the science project?

1. Theo's door sensor shows continuous presence in a separate building.
2. Elspeth was seen near the principal's office earlier that evening, but they had left the building by 20:55 and never returned.
3. Fariha has all three required qualifications.
4. The theft required a custom-machined tool stocked only in equipment closet B.
5. Three independent requirements: professional expertise, master key access, and presence at the exam preparation room during the 02:15-04:45 window.
6. A trace at the scene – a custom-machined tool stocked only in equipment closet B – matches inventory accessible only to Fariha.
7. Elspeth was at a documented hospital appointment during the window – verified by printer log.
8. Enzo was at a documented hospital appointment during the window – verified by printer log.
9. Fariha stated they left the building at 23:05, but the badge access record shows their staff key active at 02:15.
10. Nizar lacks the required professional expertise – confirmed by personnel records.

11. Florian had the qualifications but was on a flight during the window – third-party verified.

A) Elspeth

B) Fariha

C) Nizar

D) Theo

E) Florian

F) Enzo

CASE 02

A sequencing chip was swapped from the equipment closet of Nordic Bio between 01:15 and 03:45. The operation required specific qualifications and access. 7 suspects: Jules (undergraduate volunteer), Stellan (clinical coordinator), Ishaan (equipment manager), Eleni (visiting scientist), Akhil (operations manager), Cedric (safety officer), Florian (lab technician).

Q Who swapped the sequencing chip?

1. Florian had the qualifications but was on a flight during the window – third-party verified.
2. Akhil lacks the required professional expertise – confirmed by personnel records.
3. Stellan stated they left the building at 22:20, but the door sensor history shows their freezer key active at 01:15.
4. A trace at the scene – a custom-machined tool stocked only in equipment closet B – matches inventory accessible only to Stellan.
5. Cedric's witness sighting shows continuous presence in a separate building.
6. The sample tampering required a custom-machined tool stocked only in equipment closet B.
7. Three independent requirements: professional expertise, biohazard clearance access, and presence at the equipment closet during the 01:15-03:45 window.
8. Akhil was seen near the centrifuge bay earlier that evening, but they had left the building by 21:50 and never returned.
9. Stellan has all three required qualifications.
10. Eleni was at a documented hospital appointment during the window – verified by freezer access log.

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CASE 03

An original script was taken from the prop storage of Argent Theatre between 03:00 and 05:30. The operation required specific qualifications and access. 7 suspects: Talia (costume designer), Amelia (lead actor), Daphne (musical director), Indira (box-office manager), Mauro (stagehand), Leila (director), Zara (prop master).

Q Who took the original script?

1. Indira's backstage pass was revoked two weeks prior; archived access list confirms.
2. Zara lacks the required professional expertise – confirmed by personnel records.
3. Indira was seen near the costume room earlier that evening, but they had left the building by 21:00 and never returned.
4. Talia was at a documented conference during the window – verified by props inventory log.
5. Leila stated they left the building at 22:50, but the parking-lot camera shows their director's key active at 03:00.
6. The theft required a stamped seal serial number from a controlled supply closet.
7. A trace at the scene – a stamped seal serial number from a controlled supply closet – matches inventory accessible only to Leila.
8. Amelia's backstage pass was revoked two weeks prior; archived access list confirms.
9. Three independent requirements: professional expertise, backstage pass access, and presence at the prop storage during the 03:00-05:30 window.
- 10 Daphne lacks the required professional expertise – confirmed by personnel records.
- 11 Mauro's backstage pass was revoked two weeks prior; archived access list confirms.
- 12 Leila has all three required qualifications.

CASE 04

An ancient scroll was taken from the second-floor gallery of Whitmore Museum between 03:45 and 05:45. The operation required specific qualifications and access. 7 suspects: Eira (docent), Mateo (curator), Ginevra (janitor), Ezra (security guard), Rosalind (exhibition designer), Fariha (night security), Kasimir (archivist).

Q Who took the ancient scroll?

1. A trace at the scene – a specific paint formulation only stocked in the restoration lab – matches inventory accessible only to Eira.
2. Kasimir had the qualifications but was on a flight during the window – third-party verified.
3. Ezra's keycard was revoked two weeks prior; archived access list confirms.
4. Rosalind was at a documented conference during the window – verified by elevator log.
5. Ginevra lacks the required professional expertise – confirmed by personnel records.
6. Mateo's keycard was revoked two weeks prior; archived access list confirms.
7. Fariha was at a documented conference during the window – verified by security camera.
8. Rosalind was seen near the curator office earlier that evening, but they had left the building by 20:05 and never returned.
9. The theft required a specific paint formulation only stocked in the restoration lab.
- 10 Three independent requirements: professional expertise, keycard access, and presence at the second-floor gallery during the 03:45-05:45 window.
- 11 Eira has all three required qualifications.
- 12 Eira stated they left the building at 22:05, but the parking-lot camera shows their elevator access active at 03:45.

Deduction Mysteries

CASE 05

A jade figurine was taken from the curator office of Aldworth Collection between 00:00 and 02:15. The operation required specific qualifications and access. 6 suspects: Aleksandr (night security), Kalinda (security guard), Alejandro (tour guide), Tarek (curator), Tariq (janitor), Priya (art restorer).

Q Who took the jade figurine?

1. The theft required a unique encryption signature traceable to internal-only training.
2. A trace at the scene – a unique encryption signature traceable to internal-only training – matches inventory accessible only to Kalinda.
3. Tariq was seen near the loading dock earlier that evening, but they had left the building by 21:00 and never returned.
4. Tariq had the qualifications but was on a flight during the window – third-party verified.
5. Kalinda has all three required qualifications.
6. Alejandro's elevator access was revoked two weeks prior; archived access list confirms.
7. Aleksandr lacks the required professional training – confirmed by personnel records.
8. Tarek was at a documented training during the window – verified by witness testimony.
9. Kalinda stated they left the building at 22:00, but the elevator log shows their keycard active at 00:00.
- 10 Three independent requirements: professional training, elevator access access, and presence at . the curator office during the 00:00–02:15 window.

11 Priya lacks the required professional training – confirmed by personnel records.
 A) Aleksandr B) Priya C) Tariq D) Alejandro E) Tarek F) Kalinda

CASE 06

A calibration gauge was taken from the main shop floor of Helix Restoration between 01:00 and 03:00. The operation required specific qualifications and access. 6 suspects: Mahdi (master mechanic), Fariha (customer service rep), Amelia (painter), Octavia (machinist), Aaliyah (shop manager), Theo (quality inspector).

Q Who took the calibration gauge?

1. Theo lacks the required professional expertise – confirmed by personnel records.
2. Mahdi stated they left the building at 22:20, but the network authentication record shows their parts-room code active at 01:00.
3. The theft required a stamped seal serial number from a controlled supply closet.
4. Mahdi has all three required qualifications.
5. Aaliyah's parts-room audit shows continuous presence in a separate building.
6. Amelia's parts-room audit shows continuous presence in a separate building.
7. Octavia lacks the required professional expertise – confirmed by personnel records.
8. Three independent requirements: professional expertise, manager key access, and presence at the main shop floor during the 01:00–03:00 window.
9. Amelia was seen near the manager's office earlier that evening, but they had left the building by 21:20 and never returned.
- 10 Fariha lacks the required professional expertise – confirmed by personnel records.
- 11 A trace at the scene – a stamped seal serial number from a controlled supply closet – matches . inventory accessible only to Mahdi.

Answer Key – Deduction Mysteries

Solve before peeking. Correct suspect and key reasoning steps below.

Case 01 B) Fariha

- ☒ Three requirements (professional expertise, master key, presence at the exam preparation room during the 02:15-04:45 window) plus a technical trace narrow this case.
 - ☒ Enzo eliminated by alibi or missing qualification.
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Case 02 A) Stellan

- ☒ Three requirements (professional expertise, biohazard clearance, presence at the equipment closet during the 01:15-03:45 window) plus a technical trace narrow this case.
 - ☒ Jules eliminated by alibi or missing qualification.
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Case 03 E) Leila

- ☒ Three requirements (professional expertise, backstage pass, presence at the prop storage during the 03:00-05:30 window) plus a technical trace narrow this case.
 - ☒ Talia eliminated by alibi or missing qualification.
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Case 04 A) Eira

- ☒ Three requirements (professional expertise, keycard, presence at the second-floor gallery during the 03:45-05:45 window) plus a technical trace narrow this case.
 - ☒ Mateo eliminated by alibi or missing qualification.
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Case 05 F) Kalinda

- ☒ Three requirements (professional training, elevator access, presence at the curator office during the 00:00-02:15 window) plus a technical trace narrow this case.
 - ☒ Aleksandr eliminated by alibi or missing qualification.
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Case 06 D) Mahdi

- ☒ Three requirements (professional expertise, manager key, presence at the main shop floor during the 01:00-03:00 window) plus a technical trace narrow this case.
- ☒ Fariha eliminated by alibi or missing qualification.