

Deduction Mysteries

CASE 01

A register cash was taken from the front register of Quartermaine's during the overnight window between 21:00 and 23:45. Investigators have narrowed the field to 5 suspects: Bayan (dishwasher), Leila (host), Thora (manager), Lana (server), Kasper (pastry chef).

Q Who took the register cash?

1. Bayan's witness server places them at a documented training session from 21:00 to roughly 23:45.
2. Cellar key access to the front register is restricted to Leila, Thora, Kasper.
3. Leila had a documented grievance, well-documented in HR records.
4. The theft required advanced lock-picking expertise. Only Thora, Leila, Bayan have it among the suspects.
5. Lana's front-of-house camera places them at a remote conference from 21:00 to roughly 23:45.
6. Thora's POS log places them at an offsite location from 21:00 to roughly 23:45.
7. Kasper's POS log places them at an offsite location from 21:00 to roughly 23:45.
8. Leila's cellar key was activated at 21:00 at the front register.
9. Leila has no verifiable account of their whereabouts after 21:00.

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| A) Leila | B) Kasper | C) Bayan | D) Thora | E) Lana |
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CASE 02

The director's notes were taken from the dressing room of The Aldermarsh Theatre during the overnight window between 21:45 and 23:15. Investigators have narrowed the field to 6 suspects: Damaris (lighting tech), Diallo (stage manager), Rosalind (lead actor), Leander (director), Ezra (costume designer), Galina (box-office manager).

Q Who took the director's notes?

1. A discarded note near the scene briefly suggested Diallo's involvement, but it was later traced to an unrelated incident.
2. Leander's prop-room code was activated at 21:45 at the dressing room.
3. Leander had an ongoing dispute with management, well-documented in HR records.
4. Leander has no verifiable account of their whereabouts after 21:45.
5. Galina's box-office system places them at a public event with hundreds of attendees from 21:45 to roughly 23:15.
6. Prop-room code access to the dressing room is restricted to Leander, Rosalind.
7. Damaris's box-office system places them at a hospital visit from 21:45 to roughly 23:15.
8. Rosalind's props inventory log places them at a documented training session from 21:45 to roughly 23:15.
9. Diallo's stage door camera places them at a hospital visit from 21:45 to roughly 23:15.
10. The theft required complex schematic knowledge. Only Leander, Damaris, Galina have it among the suspects.
11. Ezra's rehearsal sign-in places them at a remote conference from 21:45 to roughly 23:15.

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CASE 03

A machine shop key set was taken from the parts storage of Helix Restoration during the overnight window between 20:10 and 22:45. Investigators have narrowed the field to 5 suspects: Fariha (apprentice), Polina (welder), Ronan (master mechanic), Isolde (parts clerk), Etienne (shop manager).

Q Who took the machine shop key set?

1. Fariha's parts-room audit places them at a remote conference from 20:10 to roughly 22:45.
2. Isolde's parts-room code was activated at 20:10 at the parts storage.
3. Etienne's tool-checkout log places them at an offsite location from 20:10 to roughly 22:45.
4. Isolde had recent disciplinary action, well-documented in HR records.
5. Isolde has no verifiable account of their whereabouts after 20:10.
6. The theft required social-engineering skill. Only Isolde, Etienne, Fariha have it among the suspects.
7. Ronan's shop camera places them at an offsite location from 20:10 to roughly 22:45.
8. Parts-room code access to the parts storage is restricted to Isolde, Polina, Ronan.
9. Polina's witness coworker places them at a hospital visit from 20:10 to roughly 22:45.

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| A) Etienne | B) Ronan | C) Isolde | D) Polina | E) Fariha |
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CASE 04

A prototype compound was swapped from the centrifuge bay of Caelum Labs during the overnight window between 21:00 and 23:45. Investigators have narrowed the field to 5 suspects: Idris (principal investigator), Xiomara (graduate student), Ginevra (visiting scientist), Mateo (undergraduate volunteer), Renata (safety officer).

Q Who swapped the prototype compound?

1. Ginevra's equipment timestamp places them at a remote conference from 21:00 to roughly 23:45.
2. Renata's freezer access log places them at a documented training session from 21:00 to roughly 23:45.
3. Freezer key access to the centrifuge bay is restricted to Xiomara, Idris, Renata.
4. Idris's freezer key was activated at 21:00 at the centrifuge bay.
5. The sample tampering required professional restoration training. Only Renata, Idris, Xiomara have it among the suspects.
6. Idris had an ongoing dispute with management, well-documented in HR records.
7. Xiomara's witness sighting places them at a remote conference from 21:00 to roughly 23:45.
8. Mateo's clean-room entry log places them at a hospital visit from 21:00 to roughly 23:45.
9. Idris has no verifiable account of their whereabouts after 21:00.

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| A) Renata | B) Idris | C) Ginevra | D) Mateo | E) Xiomara |
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Deduction Mysteries

CASE 05

An Etruscan pendant was taken from the prep workshop of Metropolitan Gallery during the overnight window between 20:30 and 22:30. Investigators have narrowed the field to 6 suspects: Phaedra (art restorer), Aaliyah (archivist), Dimah (janitor), Arjun (tour guide), Alessio (exhibition designer), Zinnia (security guard).

Q Who took the Etruscan pendant?

1. Dimah's motion sensor places them at a remote conference from 20:30 to roughly 22:30.
2. Arjun has no verifiable account of their whereabouts after 20:30.
3. Aaliyah's security camera places them at a remote conference from 20:30 to roughly 22:30.
4. Zinnia's door sensor places them at a public event with hundreds of attendees from 20:30 to roughly 22:30.
5. Arjun had a documented grievance, well-documented in HR records.
6. The theft required advanced lock-picking expertise. Only Arjun, Alessio, Dimah have it among the suspects.
7. Alessio's badge swipe log places them at a remote conference from 20:30 to roughly 22:30.
8. Arjun's security badge was activated at 20:30 at the prep workshop.
9. Phaedra's security camera places them at a documented training session from 20:30 to roughly 22:30.
- 10 Security badge access to the prep workshop is restricted to Zinnia, Phaedra, Arjun.

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| A) Alessio | B) Aaliyah | C) Dimah | D) Zinnia | E) Arjun | F) Phaedra |
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CASE 06

A formula draft was swapped from the cold-storage freezer of Brightline Sciences during the overnight window between 21:15 and 23:15. Investigators have narrowed the field to 5 suspects: Oren (principal investigator), Ginevra (equipment manager), Isolde (operations manager), Hadley (visiting scientist), Emiko (clinical coordinator).

Q Who swapped the formula draft?

1. Ginevra has no verifiable account of their whereabouts after 21:15.
2. Ginevra had passed-over promotion, well-documented in HR records.
3. Isolde's witness sighting places them at a documented training session from 21:15 to roughly 23:15.
4. A discarded note near the scene briefly suggested Emiko's involvement, but it was later traced to an unrelated incident.
5. Ginevra's clean-room access was activated at 21:15 at the cold-storage freezer.
6. The sample tampering required advanced lock-picking expertise. Only Ginevra, Emiko, Oren have it among the suspects.
7. Oren's badge swipe places them at a documented training session from 21:15 to roughly 23:15.
8. Hadley's equipment timestamp places them at an offsite location from 21:15 to roughly 23:15.
9. Clean-room access access to the cold-storage freezer is restricted to Emiko, Hadley, Ginevra.
- 10 Emiko's sample log places them at a documented training session from 21:15 to roughly 23:15.

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| A) Ginevra | B) Hadley | C) Emiko | D) Oren | E) Isolde |
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Answer Key – Deduction Mysteries

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

Case 01 A) Leila

- ☒ The theft required advanced lock-picking expertise, cellar key, and a motivating reason.
 - ☒ Bayan has the skill but no cellar key – cleared.
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Case 02 F) Leander

- ☒ The theft required complex schematic knowledge, prop-room code, and a motivating reason.
 - ☒ Damaris has the skill but no prop-room code – cleared.
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Case 03 C) Isolde

- ☒ The theft required social-engineering skill, parts-room code, and a motivating reason.
 - ☒ Fariha has the skill but no parts-room code – cleared.
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Case 04 B) Idris

- ☒ The sample tampering required professional restoration training, freezer key, and a motivating reason.
 - ☒ Xiomara has skill and access but a verified alibi places them offsite – cleared.
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Case 05 E) Arjun

- ☒ The theft required advanced lock-picking expertise, security badge, and a motivating reason.
 - ☒ Phaedra lacks the required advanced lock-picking expertise – cleared.
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Case 06 A) Ginevra

- ☒ The sample tampering required advanced lock-picking expertise, clean-room access, and a motivating reason.
- ☒ Oren has the skill but no clean-room access – cleared.