

Deduction Mysteries

CASE 01

A cell culture was swapped from the cleanroom of Pemberton Pharmaceuticals during the overnight window between 19:45 and 21:00. Investigators have narrowed the field to 6 suspects: Maeve (equipment manager), Lana (lab technician), Ramona (clinical coordinator), Anastasia (postdoctoral researcher), Zephyr (undergraduate volunteer), Amari (visiting scientist).

Q Who swapped the cell culture?

1. Anastasia's lab badge was activated at 19:45 at the cleanroom.
2. Zephyr's badge swipe places them at an offsite location from 19:45 to roughly 21:00.
3. Anastasia had passed-over promotion, well-documented in HR records.
4. Lana's freezer access log places them at a hospital visit from 19:45 to roughly 21:00.
5. Amari's badge swipe places them at a public event with hundreds of attendees from 19:45 to roughly 21:00.
6. The sample tampering required social-engineering skill. Only Anastasia, Maeve, Lana have it among the suspects.
7. Ramona's equipment timestamp places them at an offsite location from 19:45 to roughly 21:00.
8. Maeve's equipment timestamp places them at an offsite location from 19:45 to roughly 21:00.
9. Lab badge access to the cleanroom is restricted to Anastasia, Zephyr, Lana.
- 10 Anastasia has no verifiable account of their whereabouts after 19:45.

A) Amari	B) Anastasia	C) Ramona	D) Zephyr	E) Lana	F) Maeve
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CASE 02

A staff payroll list was taken from the records office of Westbrook Academy during the overnight window between 19:30 and 21:15. Investigators have narrowed the field to 5 suspects: Damaris (librarian), Gisela (principal), Priya (janitor), Meriel (teacher), Nikolai (department head).

Q Who took the staff payroll list?

1. Gisela's hallway camera places them at an offsite location from 19:30 to roughly 21:15.
2. Keypad code access to the records office is restricted to Nikolai, Gisela, Meriel.
3. Nikolai has no verifiable account of their whereabouts after 19:30.
4. Meriel's keycard log places them at a public event with hundreds of attendees from 19:30 to roughly 21:15.
5. Priya's hallway camera places them at a remote conference from 19:30 to roughly 21:15.
6. Nikolai's keypad code was activated at 19:30 at the records office.
7. Damaris's keycard log places them at a public event with hundreds of attendees from 19:30 to roughly 21:15.
8. The theft required advanced lock-picking expertise. Only Priya, Gisela, Nikolai have it among the suspects.
9. Nikolai had a documented grievance, well-documented in HR records.

A) Gisela	B) Meriel	C) Nikolai	D) Damaris	E) Priya
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CASE 03

The title transfer documents were taken from the restricted reading room of Saint-Clair Historical Society during the overnight window between 21:10 and 23:30. Investigators have narrowed the field to 5 suspects: Ravi (security officer), Xanthe (records administrator), Quincy (genealogist), Joaquin (clerk), Mikael (volunteer).

Q Who took the title transfer documents?

1. Admin code access to the restricted reading room is restricted to Xanthe, Joaquin.
2. Quincy's witness patron places them at a documented training session from 21:10 to roughly 23:30.
3. Ravi's vault entry record places them at a documented training session from 21:10 to roughly 23:30.
4. A discarded note near the scene briefly suggested Mikael's involvement, but it was later traced to an unrelated incident.
5. The theft required complex schematic knowledge. Only Joaquin, Ravi, Xanthe have it among the suspects.
6. Joaquin's camera footage places them at a documented training session from 21:10 to roughly 23:30.
7. Xanthe has no verifiable account of their whereabouts after 21:10.
8. Xanthe had passed-over promotion, well-documented in HR records.
9. Mikael's badge swipe places them at a documented training session from 21:10 to roughly 23:30.
10. Xanthe's admin code was activated at 21:10 at the restricted reading room.

A) Quincy

B) Ravi

C) Joaquin

D) Xanthe

E) Mikael

CASE 04

An exam answer key was taken from the science lab of Saint-Clair School during the overnight window between 19:15 and 21:00. Investigators have narrowed the field to 5 suspects: Hattie (librarian), Hiroshi (substitute teacher), Ula (coach), Sora (department head), Eira (secretary).

Q Who took the exam answer key?

1. The theft required advanced lock-picking expertise. Only Hattie, Sora, Eira have it among the suspects.
2. Eira's master key was activated at 19:15 at the science lab.
3. Sora's hallway camera places them at a hospital visit from 19:15 to roughly 21:00.
4. Eira has no verifiable account of their whereabouts after 19:15.
5. Hiroshi's witness statement places them at a public event with hundreds of attendees from 19:15 to roughly 21:00.
6. Eira had passed-over promotion, well-documented in HR records.
7. Hattie's printer log places them at a remote conference from 19:15 to roughly 21:00.
8. Ula's attendance log places them at an offsite location from 19:15 to roughly 21:00.
9. Master key access to the science lab is restricted to Eira, Ula.

A) Eira

B) Sora

C) Hattie

D) Ula

E) Hiroshi

NOTES

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CASE 05

A tournament prize money was taken from the training facility of Aldermarsh Arena during the overnight window between 19:15 and 21:30. Investigators have narrowed the field to 5 suspects: Alejandro (head coach), Cyrus (referee), Maeve (equipment manager), Arjun (star player), Nikolai (rookie player).

Q Who took the tournament prize money?

1. Maeve has no verifiable account of their whereabouts after 19:15.
2. Arjun's badge log places them at a documented training session from 19:15 to roughly 21:30.
3. Maeve had an ongoing dispute with management, well-documented in HR records.
4. Alejandro's badge log places them at a hospital visit from 19:15 to roughly 21:30.
5. Cyrus's time-clock record places them at a hospital visit from 19:15 to roughly 21:30.
6. Nikolai's locker-room sensor places them at a public event with hundreds of attendees from 19:15 to roughly 21:30.
7. The theft required complex schematic knowledge. Only Nikolai, Arjun, Maeve have it among the suspects.
8. Maeve's equipment-room key was activated at 19:15 at the training facility.
9. Equipment-room key access to the training facility is restricted to Maeve, Alejandro, Nikolai.

A) Arjun	B) Maeve	C) Cyrus	D) Nikolai	E) Alejandro
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CASE 06

A cell culture was swapped from the prep bench of Coriolis Institute during the overnight window between 20:30 and 22:00. Investigators have narrowed the field to 5 suspects: Selene (graduate student), Magnus (visiting scientist), Pavel (safety officer), Hadley (postdoctoral researcher), Tatum (principal investigator).

Q Who swapped the cell culture?

1. The sample tampering required advanced lock-picking expertise. Only Selene, Hadley, Tatum have it among the suspects.
2. Freezer key access to the prep bench is restricted to Selene, Tatum.
3. Selene has no verifiable account of their whereabouts after 20:30.
4. Pavel's freezer access log places them at a public event with hundreds of attendees from 20:30 to roughly 22:00.
5. Hadley's sample log places them at a hospital visit from 20:30 to roughly 22:00.
6. Tatum's sample log places them at a remote conference from 20:30 to roughly 22:00.
7. Magnus's sample log places them at a public event with hundreds of attendees from 20:30 to roughly 22:00.
8. Selene had recent disciplinary action, well-documented in HR records.
9. Selene's freezer key was activated at 20:30 at the prep bench.

A) Tatum	B) Magnus	C) Selene	D) Pavel	E) Hadley
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Answer Key – Deduction Mysteries

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

Case 01 B) Anastasia

- ☒ The sample tampering required social-engineering skill, lab badge, and a motivating reason.
 - ☒ Maeve has the skill but no lab badge – cleared.
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Case 02 C) Nikolai

- ☒ The theft required advanced lock-picking expertise, keypad code, and a motivating reason.
 - ☒ Damaris lacks the required advanced lock-picking expertise – cleared.
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Case 03 D) Xanthe

- ☒ The theft required complex schematic knowledge, admin code, and a motivating reason.
 - ☒ Ravi has the skill but no admin code – cleared.
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Case 04 A) Eira

- ☒ The theft required advanced lock-picking expertise, master key, and a motivating reason.
 - ☒ Hattie has the skill but no master key – cleared.
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Case 05 B) Maeve

- ☒ The theft required complex schematic knowledge, equipment-room key, and a motivating reason.
 - ☒ Alejandro lacks the required complex schematic knowledge – cleared.
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Case 06 C) Selene

- ☒ The sample tampering required advanced lock-picking expertise, freezer key, and a motivating reason.
- ☒ Magnus lacks the required advanced lock-picking expertise – cleared.