

Deduction Mysteries

CASE 01

A final exam answer sheet was taken from the exam preparation room of Pemberton School between 16:30 and 18:00. The operation required required certifications. Five people had any plausible connection: Bao (school counselor), Kasimir (janitor), Olive (principal), Amari (librarian), Noor (student council president).

Q Who took the final exam answer sheet?

1. The exam preparation room is normally accessed only via staff key, and Noor's master key was used at 16:30.
2. Olive was at the main office the entire window during the window.
3. The theft required required certifications – only Kasimir and Noor have this among the five.
4. Bao's records-room badge was not used at any point during the window.
5. Noor claims to have been working alone in their office during the window. No supporting evidence has been provided.
6. Kasimir's door sensor confirms they were at the remote facility from 16:30 to 18:00.
7. Bao was at a scheduled training course during the window.

CASE 02

The laptop with trade secrets were taken from the CEO office of Cedarstone Inc between 16:00 and 19:30. The operation required authorized credentials. Five people had any plausible connection: Tarek (CFO), Noor (HR director), Klaus (intern), Fariha (records clerk), Xanthe (executive assistant).

Q Who took the laptop with trade secrets?

1. Xanthe's witness account confirms they were at the off-site location from 16:00 to 19:30.
2. Noor was documented by the printer log in a different building during the window.
3. Fariha was documented by the printer log in a different building during the window.
4. The corporate theft required authorized credentials – only Klaus and Xanthe have this among the five.
5. Tarek was at the external facility the entire window during the window.
6. The CEO office is normally accessed only via admin credentials, and Klaus's employee badge was used at 16:00.
7. Klaus claims to have been working alone in their office during the window. No supporting evidence has been provided.

CASE 03

A glass vase was taken from the prep workshop of Metropolitan Gallery between 15:10 and 18:45. The operation required specialized access privileges. Five people had any plausible connection: Hakim (gift shop manager), Caelan (docent), Phaedra (curator), Simeon (night security), Cedric (janitor).

Q Who took the glass vase?

1. The prep workshop is normally accessed only via security badge, and Caelan's elevator access was used at 15:10.
2. Hakim's motion sensor confirms they were at the off-site location from 15:10 to 18:45.
3. Cedric was at the front desk the entire window during the window.
4. Phaedra was at a scheduled training course during the window.
5. Caelan claims to have been working alone in their office during the window. No supporting evidence has been provided.
6. The theft required specialized access privileges – only Caelan and Hakim have this among the five.
7. Simeon was at the external facility the entire window during the window.

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CASE 04

The box-office receipts were taken from the costume room of Helix Repertory between 16:20 and 18:10. The operation required authorized credentials. Five people had any plausible connection: Hadley (costume designer), Cyrus (box-office manager), Arjun (stage manager), Aurora (lighting tech), Tatum (lead actor).

Q Who took the box-office receipts?

1. Hadley's backstage pass was not used at any point during the window.
2. The costume room is normally accessed only via director's key, and Cyrus's director's key was used at 16:20.
3. Arjun was at the front desk the entire window during the window.
4. The theft required authorized credentials – only Aurora and Cyrus have this among the five.
5. Hadley was documented by the witness crew member in a different building during the window.
6. Tatum was at a scheduled external meeting during the window.
7. Cyrus claims to have been offsite for a personal errand during the window. No supporting evidence has been provided.

CASE 05

The tip jar contents were taken from the dining floor of The Briar Room between 15:00 and 18:15. The operation required required certifications. Five people had any plausible connection: Hasan (bartender), Zinnia (server), Hadley (pastry chef), Omari (sous chef), Ezra (line cook).

Q Who took the tip jar contents?

1. The theft required required certifications – only Omari and Ezra have this among the five.
2. Hadley was documented by the POS log in a different building during the window.
3. Hasan's register code was not used at any point during the window.
4. Hasan was at the external facility the entire window during the window.
5. The dining floor is normally accessed only via cellar key, and Omari's manager key was used at 15:00.
6. Omari claims to have been offsite for a personal errand during the window. No supporting evidence has been provided.
7. Ezra's front-of-house camera confirms they were at the external office from 15:00 to 18:15.
8. Zinnia was at the front desk the entire window during the window.

CASE 06

A signed binary release was extracted from the DevOps room of Quartermaine Cyber between 14:10 and 16:00. The operation required required certifications. Five people had any plausible connection: Damaris (data scientist), Zinnia (CTO), Nadia (contractor), Frida (security analyst), Magnus (intern).

Q Who extracted the signed binary release?

1. Frida was documented by the badge swipe in a different building during the window.
2. Nadia was documented by the CCTV camera in a different building during the window.
3. Magnus's MFA token log confirms they were at the external office from 14:10 to 16:00.
4. Damaris was at the main office the entire window during the window.
5. Damaris's VPN credentials was not used at any point during the window.
6. The data theft required required certifications – only Zinnia and Magnus have this among the five.
7. Zinnia claims to have been out for a long break during the window. No supporting evidence has been provided.

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CASE 07

A sealed surgical kit was taken from the administration office of Northgate Memorial between 15:15 and 18:15. The operation required expert knowledge of the system. Five people had any plausible connection: Jacinta (medical resident), Alejandro (administrator), Ezra (volunteer), Joren (attending physician), Hadley (janitor).

Q Who took the sealed surgical kit?

1. Hadley was at the external facility the entire window during the window.
2. Hadley's restricted-wing access was not used at any point during the window.
3. The theft required expert knowledge of the system – only Jacinta and Joren have this among the five.
4. Alejandro was documented by the witness staff in a different building during the window.
5. Ezra was documented by the pharmacy CCTV in a different building during the window.
6. The administration office is normally accessed only via restricted-wing access, and Jacinta's administrator code was used at 15:15.
7. Jacinta claims to have been out for a long break during the window. No supporting evidence has been provided.

CASE 08

A medieval folio was taken from the microfilm area of Northgate Library between 14:00 and 16:00. The operation required technical training. Five people had any plausible connection: Kai (cataloger), Renata (visiting scholar), Beatrix (research assistant), Idris (reference librarian), Eitan (custodian).

Q Who took the medieval folio?

1. Renata was documented by the archive log in a different building during the window.
2. The theft required technical training – only Eitan and Kai have this among the five.
3. Idris's archive badge was not used at any point during the window.
4. Eitan claims to have been offsite for a personal errand during the window. No supporting evidence has been provided.
5. Beatrix was at the main office the entire window during the window.
6. Kai's door sensor confirms they were at the external office from 14:00 to 16:00.
7. Idris was at the main office the entire window during the window.

CASE 09

A prototype assembly was taken from the parts storage of Saint-Clair Machining between 15:20 and 18:15. The operation required expert knowledge of the system. Five people had any plausible connection: Kalisa (shop manager), Galina (machinist), Katarina (electrician), Roksana (welder), Gemma (parts clerk).

Q Who took the prototype assembly?

1. The parts storage is normally accessed only via manager key, and Galina's shop key was used at 15:20.
2. Galina claims to have been working alone in their office during the window. No supporting evidence has been provided.
3. Gemma was documented by the tool-checkout log in a different building during the window.
4. Katarina's door sensor confirms they were at the external office from 15:20 to 18:15.
5. Kalisa was documented by the door sensor in a different building during the window.
6. The theft required expert knowledge of the system – only Galina and Katarina have this among the five.
7. Roksana was documented by the witness coworker in a different building during the window.

Answer Key – Deduction Mysteries

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

Case 01 E) Noor

- ☒ The theft required required certifications.
 - ☒ Bao lacks the required skill – cleared.
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Case 02 A) Klaus

- ☒ The corporate theft required authorized credentials.
 - ☒ Tarek lacks the required skill – cleared.
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Case 03 E) Caelan

- ☒ The theft required specialized access privileges.
 - ☒ Phaedra lacks the required skill – cleared.
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Case 04 C) Cyrus

- ☒ The theft required authorized credentials.
 - ☒ Hadley lacks the required skill – cleared.
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Case 05 C) Omari

- ☒ The theft required required certifications.
 - ☒ Hasan lacks the required skill – cleared.
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Case 06 A) Zinnia

- ☒ The data theft required required certifications.
 - ☒ Damaris lacks the required skill – cleared.
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Case 07 C) Jacinta

- ☒ The theft required expert knowledge of the system.
 - ☒ Alejandro lacks the required skill – cleared.
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Case 08 B) Eitan

- ☒ The theft required technical training.
 - ☒ Renata lacks the required skill – cleared.
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Case 09 E) Galina

- ☒ The theft required expert knowledge of the system.
- ☒ Kalisa lacks the required skill – cleared.