

Deduction Mysteries

CASE 01

A rare vintage tool was taken from the parts storage of Brightline Industrial between 15:00 and 18:15. The operation required required certifications. Five people had any plausible connection: Xiomara (customer service rep), Hasan (electrician), Tatum (master mechanic), Jules (painter), Leander (welder).

Q Who took the rare vintage tool?

1. Hasan's tool-crib key was not used at any point during the window.
2. The parts storage is normally accessed only via tool-crib key, and Tatum's manager key was used at 15:00.
3. The theft required required certifications – only Tatum and Jules have this among the five.
4. Xiomara was documented by the shop camera in a different building during the window.
5. Jules's shop camera confirms they were at the off-site location from 15:00 to 18:15.
6. Tatum claims to have been offsite for a personal errand during the window. No supporting evidence has been provided.
7. Hasan was documented by the shop camera in a different building during the window.

CASE 02

A staff payroll list was taken from the faculty lounge of Cedarvale High between 14:45 and 16:15. The operation required authorized credentials. Five people had any plausible connection: Sami (principal), Penelope (student council president), Priya (coach), Yara (department head), Marisol (librarian).

Q Who took the staff payroll list?

1. Penelope claims to have been offsite for a personal errand during the window. No supporting evidence has been provided.
2. Yara was documented by the keycard log in a different building during the window.
3. Sami's printer log confirms they were at the off-site location from 14:45 to 16:15.
4. The theft required authorized credentials – only Sami and Penelope have this among the five.
5. Marisol's staff key was not used at any point during the window.
6. The faculty lounge is normally accessed only via keypad code, and Penelope's combination was used at 14:45.
7. Priya was documented by the keycard log in a different building during the window.

CASE 03

A sealed parts shipment was taken from the paint booth of Brightline Industrial between 14:15 and 16:45. The operation required authorized credentials. Five people had any plausible connection: Yvonne (apprentice), Rhys (master mechanic), Rosalind (parts clerk), Yusuf (painter), Faye (shop manager).

Q Who took the sealed parts shipment?

1. The theft required authorized credentials – only Yvonne and Yusuf have this among the five.
2. Faye was at the external facility the entire window during the window.
3. Rosalind's tool-crib key was not used at any point during the window.
4. Yusuf's shop camera confirms they were at the off-site location from 14:15 to 16:45.
5. Rhys was at the front desk the entire window during the window.
6. The paint booth is normally accessed only via shop key, and Yvonne's shop key was used at 14:15.
7. Yvonne claims to have been out for a long break during the window. No supporting evidence has been provided.

Deduction Mysteries

CASE 04

The rehearsal recordings were taken from the rehearsal hall of The Aldermarsh Theatre between 15:30 and 18:30. The operation required technical training. Five people had any plausible connection: Rhys (lighting tech), Simeon (director), Pavel (box-office manager), Kalisa (understudy), Quincy (prop master).

Q Who took the rehearsal recordings?

1. The rehearsal hall is normally accessed only via backstage pass, and Quincy's director's key was used at 15:30.
2. Quincy claims to have been out for a long break during the window. No supporting evidence has been provided.
3. The theft required technical training – only Quincy and Rhys have this among the five.
4. Simeon was documented by the dressing-room sign-in in a different building during the window.
5. Rhys's witness crew member confirms they were at the external office from 15:30 to 18:30.
6. Kalisa was documented by the props inventory log in a different building during the window.
7. Pavel was at a scheduled training course during the window.

CASE 05

An archive password log was taken from the special collections room of Pemberton Research Library between 15:10 and 17:00. The operation required expert knowledge of the system. Five people had any plausible connection: Talia (intern), Esme (visiting scholar), Diallo (research assistant), Kenji (reference librarian), Kerensa (volunteer).

Q Who took the archive password log?

1. Talia was at a scheduled conference call during the window.
2. Esme was at a scheduled external meeting during the window.
3. Diallo was documented by the book-checkout record in a different building during the window.
4. The special collections room is normally accessed only via reading-room pass, and Kerensa's archive badge was used at 15:10.
5. Kenji's book-checkout record confirms they were at the external office from 15:10 to 17:00.
6. The theft required expert knowledge of the system – only Kenji and Kerensa have this among the five.
7. Kerensa claims to have been offsite for a personal errand during the window. No supporting evidence has been provided.

CASE 06

A signed treaty was taken from the research area of Pemberton Genealogy Center between 15:15 and 18:15. The operation required authorized credentials. Five people had any plausible connection: Diallo (volunteer), Eitan (records administrator), Leander (researcher), Kalisa (intern), Ravi (head archivist).

Q Who took the signed treaty?

1. Eitan's vault entry record confirms they were at the remote facility from 15:15 to 18:15.
2. Kalisa was documented by the vault entry record in a different building during the window.
3. The research area is normally accessed only via research-room pass, and Ravi's archive badge was used at 15:15.
4. Leander was at the external facility the entire window during the window.
5. Diallo's admin code was not used at any point during the window.
6. Ravi claims to have been working alone in their office during the window. No supporting evidence has been provided.
7. Diallo was documented by the reading-room sign-in in a different building during the window.

Deduction Mysteries

CASE 07

A championship ring was taken from the training facility of Northgate Athletic Club between 16:45 and 18:00. The operation required required certifications. Five people had any plausible connection: Bayan (athletic trainer), Lana (rookie player), Isolde (equipment manager), Kai (team captain), Mei (referee).

Q Who took the championship ring?

1. Kai claims to have been out for a long break during the window. No supporting evidence has been provided.
2. The theft required required certifications – only Kai and Lana have this among the five.
3. Bayan was at the main office the entire window during the window.
4. Lana's locker-room sensor confirms they were at the off-site location from 16:45 to 18:00.
5. Mei was at a scheduled conference call during the window.
6. The training facility is normally accessed only via facility badge, and Kai's facility badge was used at 16:45.
7. Isolde was at a scheduled training course during the window.

CASE 08

A client database was taken from the filing cabinet of Cedarstone Inc between 16:30 and 18:00. The operation required expert knowledge of the system. Five people had any plausible connection: Suri (legal counsel), Theo (senior engineer), Hakim (executive assistant), Mikael (HR director), Aurora (CFO).

Q Who took the client database?

1. Theo claims to have been working alone in their office during the window. No supporting evidence has been provided.
2. Aurora was at the external facility the entire window during the window.
3. Hakim's employee badge was not used at any point during the window.
4. Suri's VPN session log confirms they were at the remote facility from 16:30 to 18:00.
5. The filing cabinet is normally accessed only via document-room code, and Theo's admin credentials was used at 16:30.
6. The corporate theft required expert knowledge of the system – only Suri and Theo have this among the five.

CASE 09

An ancient scroll was taken from the second-floor gallery of Pemberton Wing between 13:15 and 15:00. The operation required required certifications. Five people had any plausible connection: Magnus (art restorer), Klaus (archivist), Nizar (curator), Nadia (gift shop manager), Wren (exhibition designer).

Q Who took the ancient scroll?

1. Nizar's master key was not used at any point during the window.
2. Nizar was at a scheduled training course during the window.
3. The theft required required certifications – only Wren and Magnus have this among the five.
4. Wren claims to have been working alone in their office during the window. No supporting evidence has been provided.
5. Klaus was at the front desk the entire window during the window.
6. The second-floor gallery is normally accessed only via elevator access, and Wren's security badge was used at 13:15.
7. Nadia was at the external facility the entire window during the window.

Answer Key – Deduction Mysteries

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

Case 01 A) Tatum

- ☐ The theft required required certifications.
 - ☐ Xiomara lacks the required skill – cleared.
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Case 02 E) Penelope

- ☐ The theft required authorized credentials.
 - ☐ Priya lacks the required skill – cleared.
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Case 03 A) Yvonne

- ☐ The theft required authorized credentials.
 - ☐ Rhys lacks the required skill – cleared.
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Case 04 E) Quincy

- ☐ The theft required technical training.
 - ☐ Simeon lacks the required skill – cleared.
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Case 05 D) Kerensa

- ☐ The theft required expert knowledge of the system.
 - ☐ Talia lacks the required skill – cleared.
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Case 06 B) Ravi

- ☐ The theft required authorized credentials.
 - ☐ Diallo lacks the required skill – cleared.
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Case 07 A) Kai

- ☐ The theft required required certifications.
 - ☐ Bayan lacks the required skill – cleared.
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Case 08 E) Theo

- ☐ The corporate theft required expert knowledge of the system.
 - ☐ Hakim lacks the required skill – cleared.
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Case 09 B) Wren

- ☐ The theft required required certifications.
- ☐ Klaus lacks the required skill – cleared.