

Missing: Brass Polish

MONDAY · 21 CLUES · 7 GUESTS

During Auntie Pearl’s dinner for 7, Odeon’s brass polish disappeared from the vault doorknob. The thief is still at the table, and only the thief will lie. Tonight there are three ledgers to square (who brewed which potion, who charted which sign, and who returned which loot), and the clues cross between them. Solve every grid and find the liar.

Find the liar. Solve every grid.

	Potion brewed							Star-sign charted							Loot returned						
	Tonic	Salve	Philter	Wash	Oil	Numbroot	Cure	Plough	Swan	Hound	Forge	Lyre	Crown	Veil	Lantern	Spoons	Netting	Horseshoe	Corkscrew	Whetstone	Thimble
Anne																					
Baldric																					
Dan																					
Elanna																					
Ivan																					
Kattia																					
Minty																					
Loot returned																					
Lantern																					
Spoons																					
Netting																					
Horseshoe																					
Corkscrew																					
Whetstone																					
Thimble																					
Star-sign charted																					
Plough																					
Swan																					
Hound																					
Forge																					
Lyre																					
Crown																					
Veil																					

Mark each cell: X ruled out · confirmed.

The clues

AUNTIE PEARL’S LEDGER: THESE FACTS ARE ALWAYS TRUE

1. If Ivan brewed the Philter, then Anne returned the Netting.
2. If Kattia brewed the Wash, then Minty returned the Whetstone.

3. If Ivan charted the Swan, then Baldric returned the Thimble.
4. Either Ivan or Dan charted the Hound.
5. The Seeker who brewed the Numbroot charted the Forge.
6. Either Elanna returned the Spoons, or Baldric returned the Lantern, or both.
7. Either Elanna brewed the Wash, or Ivan brewed the Philter, or both.
8. If the Seeker who charted the Swan brewed the Philter and Minty brewed the Numbroot, then Anne brewed the Tonic or Dan brewed the Cure.
9. If Elanna returned the Spoons and the Seeker who brewed the Oil returned the Thimble, then Kattia or Ivan returned the Lantern.
10. Either Kattia returned the Corkscrew, or Dan returned the Horseshoe, or both.
11. Either Baldric brewed the Oil, or Elanna returned the Horseshoe, but not both.
12. If Baldric brewed the Oil and Ivan brewed the Philter, then Minty brewed the Wash or Anne brewed the Salve.
13. Kattia or Ivan charted the Swan.
14. The Seeker who brewed the Wash returned the Lantern.

WHAT THE SEEKERS SAID

15.  *Ivan says: "The Seeker who brewed the Oil didn't return the Whetstone."*
16.  *Elanna answers "Blood and bone," then adds: "Either Dan or Anne brewed the Salve."*
17.  *Dan says: "Anne didn't chart the Plough."*
18.  *Anne says, a half-beat before the question ends: "The Seeker who brewed the Wash charted the Crown."*
19.  *Baldric says: "Elanna charted either the Hound or the Plough."*
20.  *Minty says: "Minty, Baldric, and Kattia charted the Crown, the Veil, and the Forge, in some order."*
21.  *Kattia mutters "Blinding lights," then says: "Anne returned the Horseshoe."*

Answer: Missing: Brass Polish

🔦 The liar (culprit): 🧙 Kattia

The lie, clue 21: Anne returned the Horseshoe. (false).

	🧪 Potion brewed							📊 Star-sign charted							📦 Loot returned						
	Tonic	Salve	Philter	Wash	Oil	Numbroot	Cure	Plough	Swan	Hound	Forge	Lyre	Crown	Veil	Lantern	Spoons	Netting	Horseshoe	Corkscrew	Whetstone	Thimble
🧠 Anne	X	●	X	X	X	X	X	X	X	X	X	●	X	X	X	X	●	X	X	X	X
🌿 Baldric	X	X	X	X	●	X	X	X	X	X	X	X	X	●	X	X	X	X	X	X	●
🧙 Dan	X	X	X	X	X	X	●	X	X	●	X	X	X	X	X	X	X	●	X	X	X
🔪 Elanna	●	X	X	X	X	X	X	●	X	X	X	X	X	X	X	●	X	X	X	X	X
🔨 Ivan	X	X	●	X	X	X	X	X	●	X	X	X	X	X	X	X	X	X	●	X	X
🧙 Kattia	X	X	X	●	X	X	X	X	X	X	X	X	●	X	●	X	X	X	X	X	X
🍋 Minty	X	X	X	X	X	●	X	X	X	X	●	X	X	X	X	X	X	X	X	●	X
📦 Loot returned																					
Lantern	X	X	X	●	X	X	X	X	X	X	X	X	●	X							
Spoons	●	X	X	X	X	X	X	●	X	X	X	X	X	X							
Netting	X	●	X	X	X	X	X	X	X	X	X	●	X	X							
Horseshoe	X	X	X	X	X	X	●	X	X	●	X	X	X	X							
Corkscrew	X	X	●	X	X	X	X	X	●	X	X	X	X	X							
Whetstone	X	X	X	X	X	●	X	X	X	X	●	X	X	X							
Thimble	X	X	X	X	●	X	X	X	X	X	X	X	X	●							
📊 Star-sign charted																					
Plough	●	X	X	X	X	X	X														
Swan	X	X	●	X	X	X	X														
Hound	X	X	X	X	X	X	●														
Forge	X	X	X	X	X	●	X														
Lyre	X	●	X	X	X	X	X														
Crown	X	X	X	●	X	X	X														
Veil	X	X	X	X	●	X	X														

Step-by-step proof

1. Suppose Anne were the culprit. Then everyone else would be telling the truth, but clue 6 would be broken. So Anne is innocent.
2. Suppose Baldric were the culprit. Then everyone else would be telling the truth, but clue 6 would be broken. So Baldric is innocent.
3. Suppose Dan were the culprit. Then everyone else would be telling the truth, but clue 6 would be broken. So Dan is innocent.
4. From clue 17: Anne didn't chart the Plough.
5. Suppose Elanna were the culprit. Then everyone else would be telling the truth, but clue 6 would be broken. So Elanna is innocent.

6. Suppose Ivan were the culprit. Then everyone else would be telling the truth, but clue 6 would be broken. So Ivan is innocent.
7. Suppose Minty were the culprit. Then everyone else would be telling the truth, but clue 6 would be broken. So Minty is innocent.
8. From clue 20: only Minty, Baldric, and Kattia can have the Crown, the Veil, and the Forge. Rule those out for everyone else.
9. From clue 5: Anne didn't brew the Numbroot, Dan didn't brew the Numbroot, Elanna didn't brew the Numbroot, and Ivan didn't brew the Numbroot.
10. From clue 13: Ivan charted the Swan.
11. From clue 3: Baldric returned the Thimble.
12. From clue 4: Dan charted the Hound.
13. From clue 6: Elanna returned the Spoons.
14. From clue 11: Baldric brewed the Oil.
15. From clue 5: Baldric didn't chart the Forge.
16. From clue 14: Elanna didn't brew the Wash.
17. From clue 7: Ivan brewed the Philter.
18. From clue 1: Anne returned the Netting.
19. From clue 14: Anne didn't brew the Wash and Ivan didn't return the Lantern.
20. Only one possibility remains: Anne didn't brew the Philter, Anne didn't brew the Oil, Dan didn't brew the Philter, Dan didn't brew the Oil, Elanna didn't brew the Philter, Elanna didn't brew the Oil, Kattia didn't brew the Philter, Kattia didn't brew the Oil, Minty didn't brew the Philter, Minty didn't brew the Oil, Anne charted the Lyre, Elanna charted the Plough, Dan didn't return the Spoons, Dan didn't return the Netting, Dan didn't return the Thimble, Ivan didn't return the Spoons, Ivan didn't return the Netting, Ivan didn't return the Thimble, Kattia didn't return the Spoons, Kattia didn't return the Netting, Kattia didn't return the Thimble, Minty didn't return the Spoons, Minty didn't return the Netting, and Minty didn't return the Thimble.
21. From clue 9: Kattia returned the Lantern.
22. From clue 10: Dan returned the Horseshoe.
23. From clue 14: Dan didn't brew the Wash and Kattia brewed the Wash.
24. From clue 2: Minty returned the Whetstone.
25. From clue 5: Kattia didn't chart the Forge.
26. From clue 14: Minty didn't brew the Wash.
27. From clue 12: Anne brewed the Salve.
28. From clue 16: Dan didn't brew the Salve.
29. From clue 18: Kattia charted the Crown.
30. Only one possibility remains: Elanna didn't brew the Salve, Minty brewed the Numbroot, Baldric charted the Veil, Minty charted the Forge, and Ivan returned the Corkscrew.
31. From clue 8: Dan brewed the Cure.
32. Only one possibility remains: Elanna brewed the Tonic.