

# The Horcrux Conundrum

## Description

You are a wizard, and He Who Must Not Be Named has arisen again, gaining power and bringing his Death Eaters to his side. Fortunately, you and your crew of capable wizarding students are aware of his plans and think you can stop him. He is relying on a new set of Horcruxes ([harrypotter.wikia.com/wiki/Horcrux](http://harrypotter.wikia.com/wiki/Horcrux)) again, and you have some clues to find the next Horcrux to be destroyed. Unfortunately, your memory has been really struggling lately for some reason, and the notes you've taken are not very straightforward.



Your search yielded five objects, each of which:

- Is in one of these different locations: Azkaban, Hogwarts, Hogsmeade, Durmstrang, or the Forbidden Forest.
- Is housed in one of these containers: A wooden chest, steel crate, burlap sack, woven basket, or velvet pouch.
- Takes on one of these forms: A wand, dusty tome, old cloak, butterbeer mug, or a Nimbus 2000 broom.
- Is glowing a certain colour: Red, green, blue, white, or orange.
- And has been engraved with a unique symbol: 

All objects have a different location, container, form, colour, and engraving. Using your detective work and the memory you've retained (your thoughts are so foggy...), you've managed to piece together the following information:

- The wand is in Hogsmeade.
- The broom is engraved with a circle.
- The old cloak is in a woven basket.
- You explored Azkaban right before you investigated Durmstrang.
- The steel crate is in Azkaban.
- The object glowing blue is engraved with a .

- The object in the Forbidden Forest is glowing green.
- At the midpoint of your exploration you were in a location with the burlap sack.
- The butterbeer mug is in the first place you explored.
- You explored the location with the orange-glowing object immediately before or after you investigated the location with a  engraved object. You can't remember exactly which, drat!
- Someone must have been fiddling with your Pensieve! You went to the location with the green-glowing object right before or after you were at the location you found a  engraved object. Some of your memories are just plain gone!
- The object glowing red was found in a wooden chest.
- The dusty tome was found glowing white.
- You found the butterbeer mug at the location you visited right before or after Hogwarts.
- The orange glowing object was found in the location you visited either right before or after the location you found the velvet pouch in.

After some careful thought (and consultation with your team of talented wizards who are also suffering from memory loss), you've decided the **butterbeer mug *must be the Horcrux***. But where was it again, and what container was it in? Ugh, and if you don't know the engraving and colour, you can't cast the right spell to make it appear. Someone has clearly been messing with your memories via your Pensieve ([harrypotter.wikia.com/wiki/Pensieve](http://harrypotter.wikia.com/wiki/Pensieve)), and you can't remember these important details; without them, you'll never be able to find and destroy the Horcrux.

**NOTE:** You only get **two (2)** submission chances for this question! Any more, and He Who Must Not Be Named will surely catch on!

### Question

Where is the butterbeer mug, what container is it in, what colour is it glowing, and what symbol is engraved on it?

### Solution format in a .txt file:

Location, container, colour, symbol