

# Ruined\_Language : Cryptography

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Points:N/A

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## Description

This challenge is a made up language that is encrypting the flag and various phrases. The idea is to get the challengers to cross reference the snippets of text and create enough of the alphabet to decrypt the text. Although there is no real mathematical foundation in this challenge, it teaches a very basic kind of cipher. The substitution cipher.

Github Path: [Hack-O-Ween/Ruined\\_Language/](#)

## Prompt

An expedition team out in the desert found an ancient tablet that had some sort of unrecognized ancient language. The team has spent months trying to decipher it but has made minimal progress. Every time someone comes close they go missing. I'm thinking that figuring out the text can help us get them back! I've attached their research here to give you a head start! Please help us..

<Zip File>

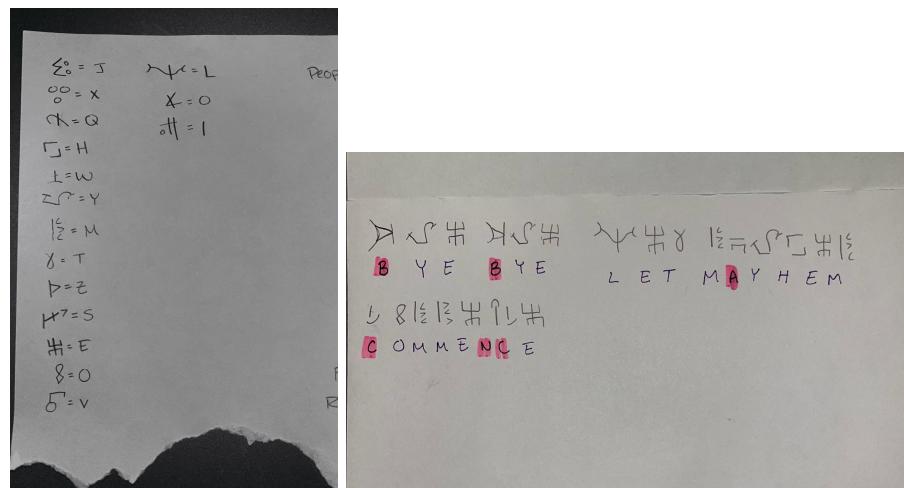
## Hints

1. Try matching up the letters to the text you know now
2. Think of the most common letters in english and test out combinations that could make sense

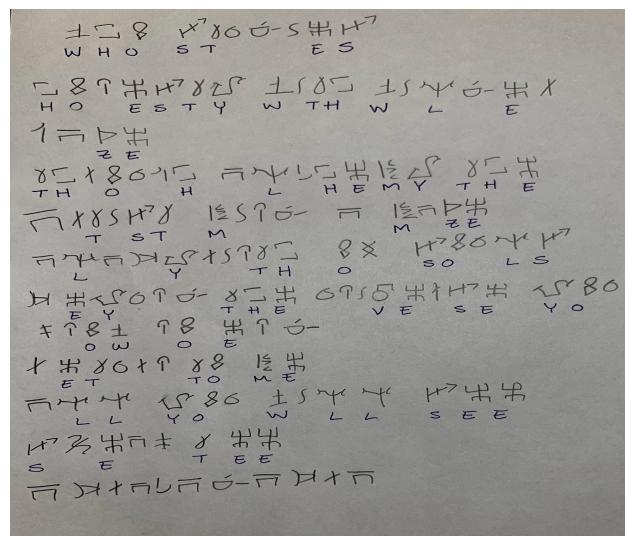
## Solution

1. With the given translation letters, the competitor should be

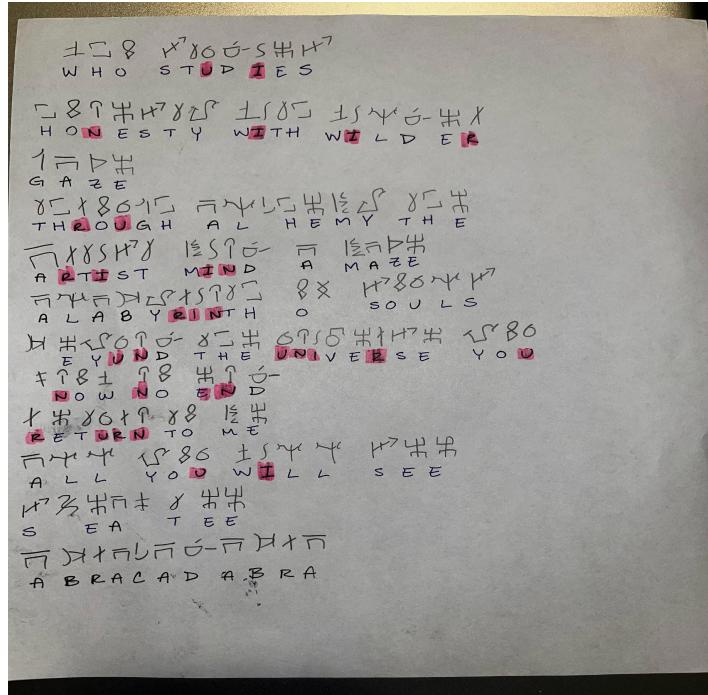
able to rewrite the snippet first. And guess what letters take the place of the missing spaces.



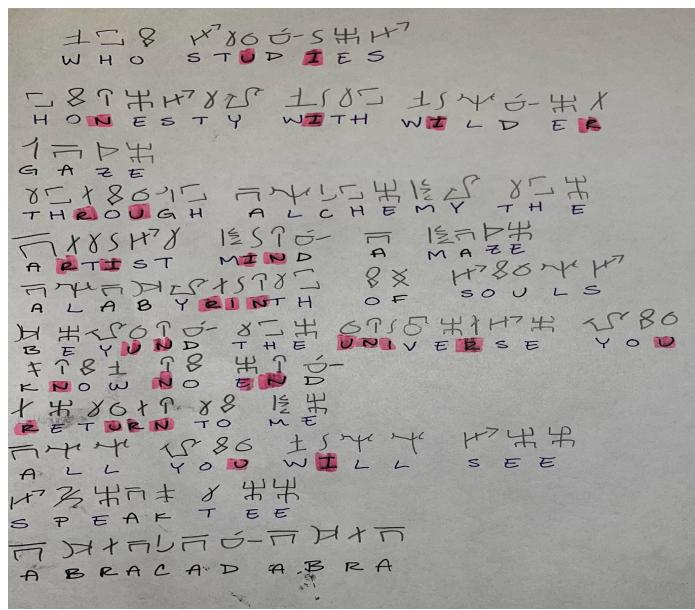
2. Upon translating it, they can guess what letters can take place, like anyone would from trying to translate a text. The highlights are the letters that would have to be guessed.
3. From there they can translate the tablet and investigate the very last line. That will translate to abracadabra which is the flag. They will probably have to go through the text a few times with the substitution. But will have to guess words as they decipher. There are two words that are spelled incorrectly to confuse them



This is what they will get if they immediately go to the tablet and use the initially given translations. They can work on this but the snippet was made to give them even more letters.



Eventually, after guessing words and filling in the remaining spaces. This is what the tablet looks like. It is incomplete to show that you do not necessarily have to translate the whole tablet to get the flag at the bottom.



This is the fully translated text.

## Flag

flame{abracadabra}