

LANGUAGES AND CODING: WHO IS THE ENIGMATIC CHARACTER?

Codeword 1

An Enigmatic Character (who was mentioned in the first VC session) is hiding his/her identity in coded messages. Can you discover who it is?

Like the British code-breakers working at Bletchley Park during WWII, you have access to some weather reports. These may be in English, French, Spanish or German. You will need to:

- Use the information gained from the Frequency Analysis task to decide which language each text was originally in. Note that accents were removed before coding the original text.
- Solve the clues. Each will give you 3 coordinates: (sentence number, word number, letter), so for instance (2, 14, 3) means the 2nd sentence, 14th word, 3rd letter.
- Some clues are written as coordinates in brackets, so (letters in the alphabet, days in a week, hours in a day) would give (26, 7, 24).
- Other clues give you a single number. Keep the digits in order, and decide what coordinates they could give, so if the answer was 432, the coordinates would be (4, 3, 2).
- Use the coordinates to find letters in the coded text which will give you a code-word.
- Move all the letters forward or backward to get a word or phrase recognisable in the original language of the piece of text: English = 4 places, French = 2 places, German = 2 places, Spanish = 2 places.
- Use the codewords and the information from the first VC session to find the identity of the Enigmatic Character.
- If you want to decode the text, feel free, but it isn't necessary to find the identity of the Enigmatic Character.

Text 1

ATETPIDN LP WALIXLP, IYT UTXIYTA YXJ WTPP QTAN EODZ ULIY X DOI OH
JPOU XPZ LET.

ITMRTAXICATJ YXQT WTPP WTDUO HATTGLPF HOA MCEY OH IYT ILMT, JO WDXES
LET YXJ XDJO EXCJTZ RAOWDTMJ.

IOZXN LJ XFXLP AXIYTA EODZ XPZ EDOCZN ULIY X WXPZ OH AXLP, JDTTI
XPZ JYOU JRATXZLPF POAIYTXJI IO XHTEI MCEY OH IYT EOCPIAN.

JOMT WALFYI OA JCPPN JRTDDJ XAT ROJLWDT LP IYT JOCYUTJI, ULIY ULPZJ
JIXAILPF IO TXJT, TJRTELXDDN LP IYT JOCYI.

IYT RATQXLDLPF ULPZ ZLATEILOP LJ TBRTEITZ IO MOQT IO IYT JOCYUTJI, UYLEY
JYOCZD YXQT IYT THTEI OH AXLJLPF ITMRTAXICATJ JO IYXI WN IYT JIXAI OH
PTBI MOPIY ITMRTAXICATJ ULDD WT MOAT OA DTJJ POAMXD ULIY AXLP MOAT
DLSTDN IYXP JPOU.

Language:

Clues for codeword 1

Clue	Sentence coordinate	Word coordinate	Letter Coordinate	Corresponding letter in text above	Letter in codeword
(Lines of symmetry in a square, cube root of 343, pillars of faith in Islam)					
$(x^1, x^4 - 4, x^2 + 1)$ where x is the first prime number					
(Trinity, 7 th prime, cube root of 125)					
10 more than the square of 11, rearranged into coordinates					
4 th prime repeatedly multiplied by 3 rd prime until you get a number with first digit 4, then add $\frac{3}{4}$ of 1000, subtract 6					
(Sides of the building in which the US Dept of Defense is located, twice the 8 th prime number, feet in a yard)					
Double the product of the square of the 5 th prime and the square of the 2 nd prime					
(Solution to $x^2 = 25$, 7 th triangular number, sum of first 3 triangle numbers)					
(Seventh root of 128, 4 th triangle number, a third of a third of 27)					
(Vertices on a tetrahedron, $2^3 - 1$, wives of Henry VIII)					
100 times 2^5 , less 7					
$\left(\frac{x}{3}, 2x, x-1\right)$ where x satisfies $2x - 5 = \frac{x}{3} + 5$					
$x^2 + (x+1)^2$ where x is the square of the 2 nd triangle number					

Codeword: