

LANGUAGES AND CODING: WHO IS THE ENIGMATIC CHARACTER?

Codeword 3

An Enigmatic Character (who was mentioned in the VC session earlier) 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, disciples, dozen) would give (26, 12, 12). Other clues give you a single number and you have to work out how these numbers in the order given should be put into coordinates.
- Use the coordinates to find the letters in the coded text to get a code-word in the original language of the piece of text.
- Put these together with what you heard in the VC session earlier to find the identity of this Enigmatic Character.
- If you want to decode the text, go ahead, but you can find the identity of the Enigmatic Character without it.

Text 3

YC XYHKU GKHQU TI YPDYXHAYKWIQU XYSHYKWAYKWY SCHAIN AGL VXHUN,
THYCU L KHYFY.

CIN WYADYXIWXIN NY TIK AIKWKYKHQU DUX QYZIEU QY SYXU OXIQU L YC IOGI
SUKOYCIQI L YC THYCU TIK SIGNIQU KGAYXUNUN DXUZCYAIN.

TUL KU TI NHQU GKI YPSYDSHUK, AIXSIQU DUX WYADYXIWXIN ZIEIN L CCGFHIN
YK GK QHI AGL KGZCIQU.

YC OXIKHRU L CI KHYFY QYC KUXUYNWY IVYSWIXI I CI AILUX DIXWY QYC DIHN.

YC NUC DUQXI ZXHCCIX I HKWYXFICUN NUZXY WUQU YK YC NGXUYNWY, QUKQY
NY YNDYXI WIAZHYK MGY CUN FHYKWUN IAHKUXYK, YNDYSHICAYKWY TISHI YC
NGX.

CUN FHYKWUN NYXIK AILUXAYKWY YK QHXYSHUK NGXUYNWY L YNWU WXIYXI
SUKNHOU GK CHOYXU IGAYKWU QY CIN WYADYXIWXIN.

YNWU NY FYXI XYVCYEIQU IC SUAHYKRU QYC AYN YKWXIKWY SGIKQU CIN
WYADYXIWXIN NGZHIX L CI CCGFHI NGNWHWGHXI I CI KHYFY.

Clues for codeword 3

Clue	Sentence coordinate	Word coordinate	Letter Coordinate	Letter in text
(3 rd prime number, 7 th prime number less 1, 1 st triangle number)				
(x, x^2, x) where x is the number of vertices in a triangle				
(3 ¹ , 2 ⁰ , 3 ⁰)				
($x, x + y, y$) where x is the 1 st prime number and y is the 3 rd				
(vertices on a pentagon, ounces in a pound, unique)				
(sides on a pentagon, previous century, 3 rd square number)				
(2 ¹ , 2 ² , 2 ⁰)				
($x/4, x, x/2$) where x is the number of inches in a foot				
(days in a week, deadly sins, spatial dimensions)				
(factorial 3, baker's dozen, 4 th Fibonacci number)				
(3 rd Fibonacci number, 6 th triangle number, 3 rd triangle number)				
(suits in a pack of cards, cube root of 125, cube root of 64)				
(seasons, commandments, binary)				
(deuce, Rugby Union team, 1 st Fibonacci number)				
(cube root of 8, sum of 1 st 3 triangle numbers, a sixth of 6)				
($x/3, 2x, x$) and a clue for x is the Trinity				
(x, \sqrt{x}, x^0) where x is the number of lines of symmetry on a square				
(5 th Fibonacci number, adult, number of lines of symmetry on a non-equilateral isosceles triangle)				
(number of lines of symmetry on a rectangle, unlucky for some, a pair)				

Language:

Codeword:

Translation into English:

Identity of the Enigmatic Character: