

LANGUAGES AND CODING: WHO IS THE ENIGMATIC CHARACTER?

Codeword 4

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 4

YAQATTAZH AZ EYBZCA DYAHBEZA, IA HATFL B AHA HYAL KYVGC BXAQ

DABJQVJF CA ZAGEA AH CA EIBQA.

GI B EAIA IB FIJBYH CJ HATFL, AH IA XAYEIBL B BJLLG FVLA CAL FYVDIATAL.

IA HATFL C'BJMVJYC'PJG ALH AZQVYA BLLAN KYVGC AH ZJBEAJR BXAQ JZA

DBZCA CA FIJGA AH CA ZAGEA L'AHAZCBZH XAYL IA ZVYC ALH FVJY HVJQPAY

HVJH IA FBWL.

UJAIUJAL AQIBGYQGAL LVZH FVLLGDIAL CBZL IA LJC VJALH, BXAQ JZ XAZH

KBGDIGLLBZH, AZ FBYHGQJIGAY CBZL IA LJC.

VZ FYAXVGH UJA IA XAZH LA CAFIBQAYB XAYL IA LJC VJALH, QA UJG CAXYBGH

FYVXUJAY JZ YAQPBJKKATAZH, CA LUYHA UJA IAL HATFAYBHJYAL CJ TVGL

FYVQPBZ LAYVZH FIJL VJ TVGZL ZVYTBIAL AH IB FIJGA FIJL FYVDBDIA UJA IB

ZAGEA.

Clues for codeword 4

Clue	Sentence coordinate	Word coordinate	Letter Coordinate	Letter in text
(trinity, sum of the first 3 square numbers, 3 rd Fibonacci number)				
(pair, Rugby Union team, lives of a cat)				
(unique, 3 rd prime number, 1 st prime number)				
(vertices on a pentagram, 7 th prime number, cube root of 64)				
(Islamic pillars of faith, double the 8 th prime number, Olympic rings)				
$(x, x^2, 2x + 1)$ where x is the 4 th Fibonacci number				
(suits in a pack of cards, days in a week, times the Earth circles the Sun in a year)				
$11^2 + 11 - 1$, then sort into appropriate coordinates				
Square of the 3 rd prime number multiplied by the 5 th prime number, and sorted into appropriate coordinates				
(2 nd square number, 1 st triangle number, 4 th Fibonacci number)				
$(3^1, 3^2, 4^{\text{th}} \text{ prime number})$				
(5 th Fibonacci number, 6 th Fibonacci number, 3 rd Fibonacci number)				
(cube root of 125, $2^9, 2^1$)				
(2 nd triangle number, you can drive, quadruped)				

Language:

Codeword:

Translation into English:

Identity of the Enigmatic Character: