

Can you decrypt this message?

XUFHJ YMJ KNSFQ KWTSYNJW. YMJXJ FWJ YMJ ATDFLJX TK YMJ XYFWXMNU
 JSYJWUWNXJ. NYX HTSYNSZNSL RNXXNTS YT JCUQTWJ XYWFSLJ SJB BTWQIX, YT
 XJJP TZY SJB QNKJ FSI SJB HNANQNEFYNTSX, YT GTQIQD LT BMJWJ ST TSJ MFX
 LTSJ GJKTWJ.

Step 1 Count how many times each letter appears

A	B	C	D	E	F	G	H	I	J	K	L	M
2	5	1	2	1		2	3	3		5	5	

N	O	P	Q	R	S	T	U	V	W	X	Y	Z
	0	1		1			4	0				2

Step 2 Is there any single letter words?

Check the Cipher for any single letter words.

Step 3 Use the Frequency Distribution of the English language

In a large piece of English text, the most popular letters are:

E, T, A, O, I, N, S, H, R, D, L, C, U, M, W, F, G, Y, P, B, V, K, J, X, Q, Z

The top three letters may be E, T or A however because this text is quite short the top three letters may not be exactly as expected.

Step 4 To find the letter E, T or A check how sociable the top three letters in the Cipher are

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	

Step 4 Is there any three letter words?

In English the most common three letter words are "the", "and"

We know "E" lets try to find the letter "H"

In English the letter "H" frequently goes before "E" (the, then, they) not often after "E".

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	
After —																											
Before —																											

Replace the Cipher text with the original version of "E" and "H"

X	U	F	H	J		Y	M	J		K	N	S	F	Q		K	W	T	S	Y	N	J	W	.				
Y	M	J	X	J		F	W	J		Y	M	J		A	T	D	F	L	J	X		T	K		Y	M	J	
X	Y	F	W	X	M	N	U		J	S	Y	J	W	U	W	N	X	J	.		N	Y	X					
H	T	S	Y	N	S	Z	N	S	L		R	N	X	X	N	T	S		Y	T		J	C	U	Q	T	W	J
X	Y	W	F	S	L	J		S	J	B		B	T	W	Q	I	X	,		Y	T		X	J	J	P		
T	Z	Y		S	J	B		Q	N	K	J		F	S	I		S	J	B									
H	N	A	N	Q	N	E	F	Y	N	T	S	X	,		Y	T		G	T	Q	I	Q	D		L	T		
B	M	J	W	J		S	T		T	S	J		M	F	X		L	T	S	J		G	J	K	T	W	J	