

Sample Test 10

Timed question [100 Points]: Solve this Aristocrat which is a quote by J. B. S. Haldane. When you have solved it, raise your hand so that the time can be recorded and the solution checked.

YDXVX AM IL EVXJY AIUXIYALI, BVLN BAVX YL BFQAIE,  
 THERE IS NO GREAT INVENTION, FROM FIRE TO FLYING,

RDAH D JM ILY GXXI DJAFXW JM JI AIMS FY YL MLNX ELW.  
 WHICH HAS NOT BEEN HAILED AS AN INSULT TO SOME GOD.

	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
Frequency	8	3		5	3	3	1	1	9	5		8	5	2			1	1	1		1	4	2	9	7	
Replacement	I	F	Z	H	G	L	B	C	N	A	X	O	S	M	J	Q	Y	W	U	P	V	R	D	E	T	K

Sample Test 10

1) [250 Points] Solve this K1 key encoded Patristocrat which is a quote by Isaac Asimov and begins with **THE**.

YRIGU XYIBM SYSTQ VRJLX IYURI LJSTX MSITM IYRIU  
**THEMO STEXC ITING PHRAS ETOHE ARINS CIENC ETHEO**

TIYRL YRIJL EOXTI AOSXM UZIJS IXSXT UYIFJ INLHF  
**NETHA THERA LDSNE WDISC OVERI ESISN OTEUR EKABU**

YYRLY XPFTT C  
**TTHAT SFUNN Y**

K1	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
Frequency	1	1	1	1	3	1	1	14	5	6	4	1	2	1	1	7	7	8	5	1	8	11	1			
Replacement	W	X	Y	Z	L	U	M	B	E	R	J	A	C	K	D	F	G	H	I	N	O	P	Q	S	T	V

2) [250 Points] Google Voice had fun transcribing this quote from Kurt Vonnegut before it was encrypted. What does it say?

KBK LRE JUWO IRNKUI DWSH TACKUAK. OLRI ORT  
**EYE HAD KNOW TALENT FOUR SCIENCE. WHAT WAS**

CUDCUCIKNB OWHTK: RON ZB DHRIKHUCIB GHWILKHT OLCH  
**INFINITELY WORSE: AWL MY FRATERNITY BROTHERS WHIR**

KUQCUKKHT  
**ENGINEERS**

	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
Frequency	2	4	7	3	1	1	8	7	1	12	4	3	6	1	6	1	5	8	4						1	
Replacement	C	Y	I	F	D	V	B	R	T	K	E	H	P	L	W	J	G	A	U	S	N	Q	O	Z	X	M

Sample Test 10

- 3) [125 Points] A quote by Wilson Mizner has been encoded using the Affine Cipher. The 3<sup>rd</sup> and 4<sup>th</sup> letters decode to be **TI**. What does it say?

B	C	W	D	Z	Z	V	D	P	O	V	P	R	B	S	P	V	U	P	B	C
A	R	T	I	S	S	C	I	E	N	C	E	M	A	D	E	C	L	E	A	R

- 4) [250 Points] Solve this Patristocrat which is a quote from a Alexander Graham Bell and has the word **STEP** in it twice.

YNYUN WJOLM RWFGL KJDBP PQLAX LMGJU UNJHE QUNJH  
**ITIST HEMAN WHOCA REFUL LYADV ANCES STEPB YSTEP**

RWFYU EFBMA NFUBG GJJAY MNWJZ KJLNJ UNAJZ KJJ  
**WHOIS BOUND TOSUC CEEDI NTHEG REATE STDEG REE**

	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
Frequency	4	3		1	2	4	4	2		13	3	5	4	8	1	2	2	2			7		4	1	4	2
Replacement	D	U	X	F	B	O	C	P	Z	E	R	A	N	T	M	L	Y	W	Q	K	S	J	H	V	I	G

Sample Test 10

5) [250 Points] Solve this K1 key encoded Patristocrat which is a quote by Colin Morgan and ends with **FOR ME**.

VNSVE CMEKP ETISP SMQMR MQQVP EZPUI SMNNS TKDPH  
 ITHIN KANYO NEWHO HASAP ASSIO NFORW HATTH EYLOV

TNPYP MEYIS PRGUQ GTVNV QVEQR VUMNV PEMDZ PUOT  
 ETODO ANDWH OPURS UEITI SINSP IRATI ONALF ORME

K1	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
Frequency			1	2	7		2	1	3		2		8	6	1	10	6	3	6	5	4	8			2	2
Replacement	G	J	K	L	N	Q	U	V	W	X	Y	Z	A	T	M	O	S	P	H	E	R	I	C	B	D	F

6) [75 Points] A quote by James Mark Baldwin has been encoded against a famous document. What did he say?

FOUR SCORRE AND SEVEN YEARS AGO OUR FATHERS  
 QWEV SNZ JGIRQUI, KWLA LOCGGE WG EETWELHXW;  
 LIKE ALL SCIENCE, PSYCHOLOGY IS KNOWLEDGE;

BROUGHT FORTH ON THIS CONVENTION  
 BER FORX XQZXUQR TNIA P, WG BA XRBPLRHCRC  
 AND LIKE SCIENCE AGAIN, IT IS KNOWLEDGE

AT I ONCE IVED IN LIBERTY  
 OY I RRHWAKXM OLLVT, EPF QZGB.  
 OF A DEFINITE THING, THE MIND.