

Quiz 2

1.

7x9

E	A	L	E	S	V	T	R	A
C	E	E	R	O	B	I	I	A
D	R	D	N	D	N	Q	G	E
T	A	S	E	Y	L	L	A	I
M	U	A	N	T	C	A	W	H
E	O	M	A	N	R	E	E	O
C	O	M	S	R	L	T	B	R

$$9 \times 0.4 = 3.6$$

$$0.4 + 2.4 + 2.6 + 0.4 + 0.6 + 1.4 + 2.6 = 10.4$$

9x7

E	R	A	S	B	L	E
C	A	M	S	N	A	B
D	V	M	O	L	E	A
T	O	R	E	D	C	T
M	O	R	Y	R	R	E
E	L	N	T	L	I	I
C	E	N	T	I	G	H
A	O	N	R	I	A	O
E	S	A	V	Q	W	R

$$7 \times 0.4 = 2.8$$

$$0.2 + 0.8 + 1.2 + 0.2 + 0.8 + 0.2 + 0.8 + 1.2 + 0.8 = 6.2$$

choose!

2.

L	A	S	E	R	B	E
A	M	S	C	A	N	B
E	M	O	D	U	L	A
T	E	D	T	O	C	A
R	R	Y	M	O	R	E
I	N	T	E	L	L	I
G	E	N	C	E	T	H
A	N	R	A	D	I	O
W	A	V	E	S	Q	R

→ Laser beams can be modulated to carry more intelligence than radio wave SQR.

3.

$$\text{msg 1} = 0.063$$

$$\text{msg 2} = 0.066$$

$$\text{msg 3} = 0.049$$

$$\text{msg 4} = 0.063$$

4. $IC = 0.039 \Rightarrow$ probably polyalphabetic!