

NO.	ANSWER														
1	<p>The following words can be spelt using these bricks:</p> <ul style="list-style-type: none"><li>● BERLIN = 132465</li><li>● BOTTOM = 123456</li><li>● BISHOP = 164523</li></ul> <p>It is impossible to spell the word BREATH</p> <ul style="list-style-type: none"><li>● BREATH = 1234_5</li></ul> <p><b>Option B is the correct answer.</b></p>														
2	<p>By applying the rules of the code where each letter in the alphabet is assigned with a number in which number 1 is assigned to letter A, number 2 for letter B, and so on up until letter Z. For every subsequent letter, the assigned number for that specific letter is added with 3. Thus coding the word <b>MINUTES</b> will be:</p> <table><tr><th>M</th><th>I</th><th>N</th><th>U</th><th>T</th><th>E</th><th>S</th></tr><tr><td>13</td><td>9</td><td>14+2 = 16</td><td>21</td><td>20+2+2+2 = 26</td><td>5+2+2+2 = 11</td><td>19+2 =21</td></tr></table> <p>The word MINUTES can be coded as 1391621261121 which corresponds to option C.</p> <p><b>Option C is the correct answer.</b></p>	M	I	N	U	T	E	S	13	9	14+2 = 16	21	20+2+2+2 = 26	5+2+2+2 = 11	19+2 =21
M	I	N	U	T	E	S									
13	9	14+2 = 16	21	20+2+2+2 = 26	5+2+2+2 = 11	19+2 =21									
3	<p>From statements 1, 2, and 3 we can say that the following Muji words correspond to these respective English translations:</p> <p>Mi = I</p> <p>Judi = will carry</p> <p>te = the</p> <p>agbs = bags</p> <p>Se = and</p> <p>odif = food</p> <p>tobil = table</p>														

re = are

hins = things

Me = he

Sho = can't

Judee = carry

Thus, the statement “Me sho judee te tobil se te odif. Mi judi te agbs.” can be translated as “He can’t carry the table and the food. I will carry the bags.”

**Option A is the correct answer.**

4

The table below shows the letters with their corresponding numbers, frequency (number of each letter), presses (for each letter), and the total number of presses.

Numbers	2			3			4			5			6			7			8			9				
Letters	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	5				1	1		1	5			4		4	2			1	2	4	1		1		2	
presses	5				2	3		2	15			12		8	6			2	6	4	2		1		6	
Total Presses	5			5			17			12			14			8			6			7				

It can be seen that the number 4 is pressed the most.

**Option D is the correct answer.**

5

For even positions, each letter corresponds to an alphabet that is moved two steps down from its original position. For odd positions, the code is a reverse alphabet. This can be observed from the given words and their corresponding codes (BREATH is coded as YPVYGF, and AGENDA is coded as ZEVLWY). This is shown in the table below.

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

Thus, the word COUNTRY can be coded as XMFLGPB.

**Option C is the correct answer.**

- 6 It was observed that the number of characters used in the English statement is equal to the number of characters used in the code, where the code groups characters in 5. The table below corresponds to the code for each letter which is consistent in all three statements.

A	8
B	N
C	Q
D	O
E	2
F	A
H	P
I	4
J	E
K	S
L	B
M	F
N	T
O	5
R	I
S	D
T	J
Y	G

Decoding “QP2F4 DT5J2 8DG4T I28BB 4A2” yields the statement:  
“Chem is not easy in real life.”

**Option C is the answer.**

- 7 The password from option E is his main steam account password since it only has one character different from each of his other four passwords.

Passwords		
Main Account	Other Accounts	Difference
13AJ#DB7	18AJ#DB7	8 instead of 3
	63AJ#DB7	6 instead of 1
	13AK#DB7	K instead of J
	13AJ#DM7	M instead of B

**Option E is the correct answer.**

- 8 Each image represents a letter as there are seven images and there are also seven letters in the word “SURFACE”. The code can be determined by first identifying each image.

Images that represent “SURFACE”:

Skittles- Umbrella - Jar - Four - Tea - Cat - Ape

The odd-numbered positions (S, R, A, and E) of the word “SURFACE” are represented by

	<p>images where these letters are the last letters of the images. For the letters in the even-numbered positions, it can be observed that they are coded with the starting letters of the images (U, F, and C).</p> <p>The given symbols to be interpreted:  Sofa - Guitar - Angle - Nine - Hat  Odd-numbered positions - A, E, T  Even-numbered positions - G, N</p> <p>Thus, the word formed is "AGENT."</p> <p><b>Option A is the correct answer.</b></p>
9	<p>The first character of the code is the number of consonant letters of the word.</p> <p>The second character of the code is a symbol assigned to the first letter of the word:</p> <p style="text-align: center;">+ for P    ! for A    # for T    @ for G</p> <p>The third character of the code is the first vowel letter starting from the left.</p> <p>Example: <i>Plastics</i> is coded as 6+a .</p> <p>The word PHOTOGRAPH has seven consonant letters then the first character of the code is "7."</p> <p>Since PHOTOGRAPH starts with the letter P, then the second character is a "+." Lastly, the third character of the code is the first vowel letter starting from the left which is "o."</p> <p>Thus, the code for the word PHOTOGRAPH is 7+o.</p> <p><b>Option C is the correct answer.</b></p>