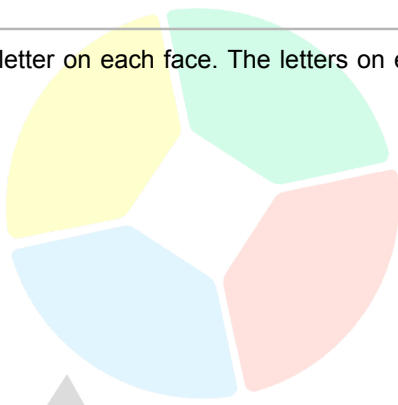


NO.	QUESTION
1	<p>Marvin has 6 cubic bricks. Each brick has a different letter on each face. The letters on each brick are:</p> <p>Brick 1: JKBLUI Brick 2: ROYUIO Brick 3: ETXCVP Brick 4: LSANMT Brick 5: NHOWPZ Brick 6: IJKSLM</p>  <p>Which one of the following can Marvin not spell out with his bricks?</p> <p>A. BERLIN B. BREATH C. BISHOP D. BOTTOM</p>
2	<p>Curry and Harden are two friends who communicate with each other in the form of a code. Both of them are really good at maths, hence, they incorporated numbers in the way they write their codes.</p> <p>In their code, each letter in the alphabet is assigned with a number where 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. This means that if the letter "A" appears thrice, the third "A" is written as "5" ($1+2+2 = 5$). For example, writing the word "AIRPORT" using their code will be "191816152020".</p> <p>Curry is about to write to Harden with the following message.</p> <p>"Cook the steak for ten minutes."</p> <p>How will Curry write the word MINUTES?</p> <p>A. 1391521261221</p>

	<p>B. 1391521261121</p> <p>C. 1391621261121</p> <p>D. 1391622261221</p>																
3	<p>Muji is a language. Andrew knows how to speak this language. She was teaching Luke how to speak Muji, thus he made three statements in Muji and provided the English translation for these statements.</p> <p>Mi judi te agbs se te odif. <i>I will carry the bags and the food</i></p> <p>Te tobil se te agbs re te hins me judi. <i>The table and the bag are the things he will carry.</i></p> <p>Mi sho judee te tobil. <i>I can't carry the table.</i></p> <p>Andrew wanted to know whether Luke learned from the three statements he gave him. Thus, he gave him one last statement in Muji.</p> <p>"Me sho judee te tobil se te odif. Mi judi te agbs."</p> <p>Which English sentences convey its correct meaning?</p> <p>A. He can't carry the table and the food. I will carry the bags.</p> <p>B. He will carry the table and the food. I will carry the bags.</p> <p>C. I can't carry the table and the food. He will carry the bags.</p> <p>D. I will carry the table and the food. He can't carry the bags.</p>																
4	<p>Mobile phones use the following keys for forming words when sending text messages.</p> <table><tr><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td></tr><tr><td>ABC</td><td>DEF</td><td>GHI</td><td>JKL</td><td>MNO</td><td>PQRS</td><td>TUV</td><td>WXYZ</td></tr></table> <p>To form the word RED, for instance, requires 7 to be pressed three times, 3 to be pressed twice, then 3 to be pressed once more.³⁴</p>	2	3	4	5	6	7	8	9	ABC	DEF	GHI	JKL	MNO	PQRS	TUV	WXYZ
2	3	4	5	6	7	8	9										
ABC	DEF	GHI	JKL	MNO	PQRS	TUV	WXYZ										

	<p>Message: "I will stay in Ayala until this afternoon."</p> <p>Which key is pressed the most times altogether to form the message above?</p> <p>A. 7 B. 6 C. 5 D. 4</p>
5	<p>In a special code, BREATH is coded as YPVYGF, and AGENDA is coded as ZEVLWY</p> <p>How would you code COUNTRY?</p> <p>A. XMGLGPB B. XMFLGQB C. XMFLGPB D. XMGLGQB</p>
6	<p>Rian trained James to use codes as a medium for communication. The following codes are interpreted as the following:</p> <p>I. E8S2O 52DT5 JB4S2 QP2F = Jake does not like Chem. II. 4J4D2 8DGJ5 B28IT QP2F = It is easy to learn Chem. III. I28BB 4A24D N8D2O 5TQP2 F = Real life is based on Chem.</p> <p>Rian sent another code to James and gave him four possible interpretations of the code, just to check if he had fully grasped the code. Here is the code:</p> <p>"QP2F4 DT5J2 8DG4T I28BB 4A2"</p> <p>Which one of these 'translations' must be the correct one?</p> <p>A. Jake learns Chem so easily. B. Learning Chem is not easy. C. Chem is not easy in real life. D. Learning Chem in life is easy.</p>

7

Kristen uses similar passwords for all five of his steam accounts. His passwords consist of 8 characters. He knows that his password for his main steam account has exactly one character different from each of his other four passwords.

These are the five passwords of all his steam accounts.

18AJ#DB7

63AJ#DB7

13AK#DB7

13AJ#DM7

13AJ#DB7



Which one is Kristen's password for his main steam account?

- A. 18AJ#DB7
- B. 63AJ#DB7
- C. 13AK#DB7
- D. 13AJ#DM7
- E. 13AJ#DB7

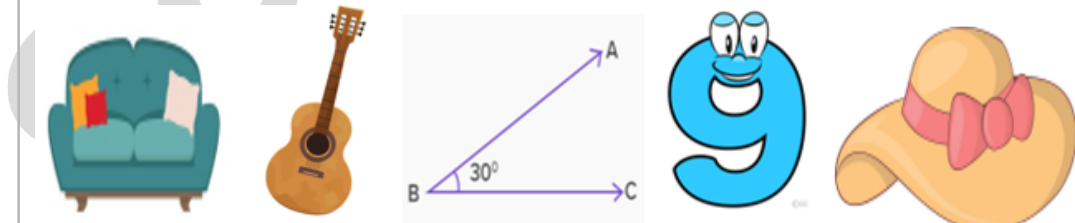
8

Charlie sent Amber a text in encrypted code. He used pictures rather than letters.

Amber knows that the following symbols represent the word "SURFACE."



What do these symbols represent?



	<p>A. AGENT</p> <p>B. APPLE</p> <p>C. AWARD</p> <p>D. ABACA</p>
9	<p>In a certain code:</p> <p>'Plastics Amber Garden Temple' is written as '6+a 3!a 4@a 4#e'</p> <p>'Arrest Part Grapes Teacher' is written as '4!a 3+a 4@a 4#e'</p> <p>'Globe Allergies Parking Tooth' is written as '3@o 5!a 5+a 3#o'</p> <p>'Thumb Another Priest Grass ' is written as '4#u 4!a 4+i 4@a'</p> <p>What is the code for "Photograph"?</p> <p>A. 3!o</p> <p>B. 3+a</p> <p>C. 7+o</p> <p>D. 7+a</p>

