

نام و نام خانوادگی: شماره دانشجویی: رشته: مقطع:

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A. Fill in the blanks with the correct words from the box. (4Pts)

secret	divided	village	investor
discrimination	communication	participate	privacy

1. Sign language is a form of with no sound.
2. They moved from a big city. Now they live in a small
3. They closed the door so that they could have for their conversation.
4. When a woman does the same job as a man, and she gets less money, it is an example of
5. The pizza is into six pieces.
6. The gave him money to develop his business.
7. Sssshh! Don't tell anyone. It's a/an
8. They play basketball, baseball, and soccer at school. They in all these sports.

B. Find words in the box that match the definitions. (3Pts)

focus	inventor	publisher
equal	geometry	infant

1. A very young baby:
2. A company or person that makes books or magazines:
3. Someone who creates something new:
4. To put in the center, to pay the most attention to:
5. The same in amount or size:
6. The kind of mathematics that is about lines and shapes:

C. Read the text and answer the following questions. (3Pts)

The Geometry of Beauty

What makes a face beautiful? Is it the size and shape of the mouth, nose, and eyes? Is it the shape of the face? Is beauty different for men and women, or for people from different cultures? We all know a beautiful face when we see one. What creates that physical beauty? Dr. Stephen Marquardt has an answer. He says that beauty is mathematical.

Dr. Marquardt is a surgeon from California. His patients are people with deformed faces. Some of his patients can't eat or breathe easily because their noses or mouths don't function normally. Dr. Marquardt does plastic surgery to correct these problems.

Some patients' problems were very difficult to fix. Dr. Marquardt needed some guidelines to help him be successful. So, he started to do research. He wanted to know why some faces are beautiful. What did he find? He found that beauty is not a mystery at all. It's just a simple ratio. The ratio that defines beauty is 1:1.618 (1 to 1.618).

The ratio 1:1.618 shows the relationship between different features on a beautiful face. For example, when a face is beautiful, the mouth is 1.618 times wider than the nose. The width of the nose is 1.618 times the width of the tip of the nose. The ratio is even true for teeth: the width of the two front teeth is 1.618 times wider than the height of one of the teeth. What about the measurements of other features, such as the chin and the mouth, or the eyes and the nose? The ratio never changes. It's always the same for all the features on a beautiful or handsome face.

Dr. Marquardt used the ratio to make a mask. The mask has many lines and geometric shapes. When the doctor put the mask over pictures of beautiful faces, the faces all fit the mask perfectly. Then he put the mask on less beautiful faces. These faces didn't fit the mask.

Is beauty the same all over the world? Yes! When the mask is put over pictures of people from many different places, the ratio still works! Beautiful faces from Africa, Asia, Europe, and North and South America all fit the same mask.

Other surgeons learned about Dr. Marquardt's important findings. Plastic surgeons can use the ratio to repair deformed faces and help people live healthier lives. Cosmetic surgeons can also use it to help make people more beautiful,

Would you like to try Dr. Marquardt's mask? Does your face have the geometry of beauty? You can find out. The mask is online.

1. Dr. Marquardt uses geometry to help him
 - a fix faces
 - b solve math problems
 - c paint beautiful faces
2. Dr. Marquardt's beauty ratio works for people from
 - a Africa and Asia
 - b Europe and Americas
 - c all over the world
3. Dr. Marquardt's face mask shows the relationships between
 - a Some features
 - b the eyes, nose, and mouth
 - c all of the features

According to the text, are these sentences True or False? Write T(true) or F(False). (2Pts)

1. Dr. Marquardt is a mathematician. (.....)
2. Dr. Marquardt used a ratio to create a mask. (.....)
3. Dr. Marquardt's work helps some people live healthier lives. (.....)
4. Only Dr. Marquardt's patients can try the mask on their faces to see how it fits. (.....)

D. Choose the correct verb form. (3Pts)

1. He *watches* / *was watching* TV last night.
2. She *studies* / *is studying* English now.
3. Last year, I *traveled* / *was traveling* to Japan.
4. I *am playing* / *play* tennis every weekend.
5. I *am studying* / *studied* French when I was a child.
6. I *was swimming* / *am swimming* when you called yesterday.

All the best!
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