

**MECA sample test**

1. There are 20 students with an average height of 105 cm in a class. Then 10 students with an average height of 120 cm join the class. What will be the average height of the class now?  
  

<b>A.</b> 100	<b>B.</b> 110
<b>C.</b> 120	<b>D.</b> 107
  
2. What is the minimum number of colors required to paint all the sides of a cube, so that no adjacent sides have the same color?  
  

<b>A.</b> 3	<b>B.</b> 4
<b>C.</b> 5	<b>D.</b> 6
  
3. A and B are working on an assignment. A takes 6 hours to type 32 pages on a computer, while B takes 5 hours to type 40 pages. How much time will they take, working together on two different computers, to type an assignment of 110 pages?  
  

<b>A.</b> 5 Hours	<b>B.</b> 6 Hours
<b>C.</b> 7 Hours	<b>D.</b> 8 Hours and 15 minutes
  
4. A clock gains five minutes every hour, the angle traversed by the second hand in one minute will be which one of the following:  
  

<u>A.</u> 360	<u>B.</u> 360.5
<u>C.</u> 390	<u>D.</u> 375



9. Based on the following statements, which is the correct conclusion drawn.

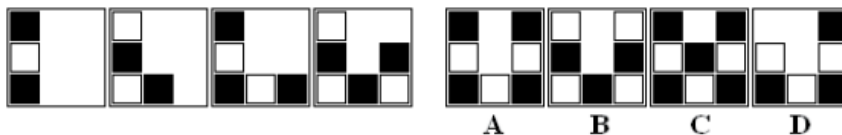
Only gentlemen can become members of the club. Many of the members of the club are officers. Some of the officers have been invited for dinner.

- A. All the members of the club have been invited for dinner
- B. Some of the officers are not gentlemen
- C. All gentlemen are members of the club
- D. Only gentlemen have been invited for dinner

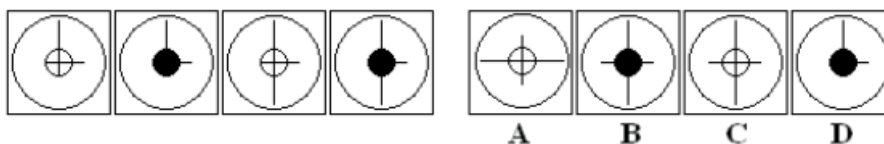
10. There are five books A, B, C, D and E placed on a table. If A is placed below E, C is placed above D, B is placed below A and D is placed above E, then which of the following books touches the surface of the table?

- A.** C
- B.** A
- C.** B
- D.** E

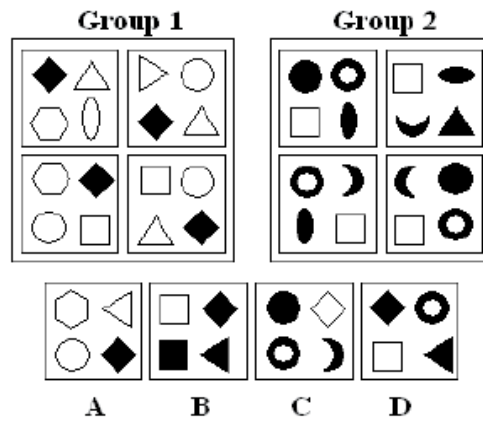
11. Which figure completes the series?



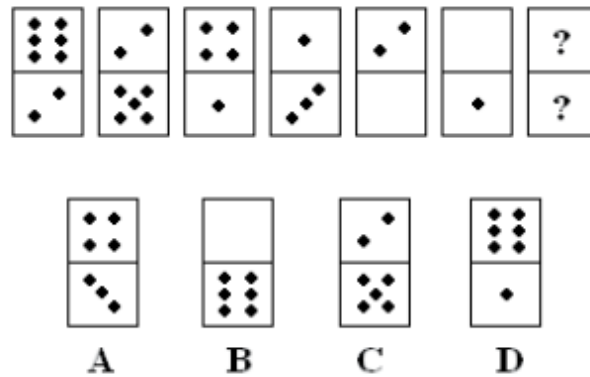
12. Which figure completes the series?



13. Which figure belongs in neither group?



14. Which figure is next in the series?



**Read the paragraph and answer accordingly.**

Early man knew about the natural fire of lightning and volcanoes long before he began to use fire himself. He didn't know what fire was, but he had seen the damage it could cause. Fire was powerful and dangerous, and so he was frightened. Greek legend tells how Prometheus stole fire from God Zeus, and brought it to Earth for man to use. Zeus was very angry. He ordered Prometheus to be chained to a rock. Every day an eagle pecked out his liver, and every night his liver grew again. So, Prometheus suffered a terrible punishment for his deed. The name "Prometheus" means "the fore thinker". One Greek philosopher wrote that all arts, all skills, men owe to the fore thinker. By this he meant that civilization is founded on fire and using fire. When man eventually learned how to use fire, he guarded it carefully. Some ancient peoples worshiped fire as a goddess. Even when man learned to make fire whenever he liked, often kept sacred fires burning.

**15. It's obvious from the passage that Prometheus ----.**

- A) doesn't mean a person who thinks beforehand
- B) was able to protect himself from the eagle
- C) intended to bring fire from the sky for human
- D) ordered the gods to be chained to a rock
- E) was worshiped as a god by ancient people

**16. It is made clear in the passage that ----.**

- A) fire enabled early man to live in peace
- B) a bird of prey eats an organ of Prometheus
- C) Prometheus is regarded as a hero by all Greek people
- D) man, never realized how to use the advantages of fire
- E) when an eagle pecked out Prometheus' liver, he no longer survived

**17. A Greek philosopher thinks that ----.**

- A) if Prometheus hadn't stolen fire from Zeus, there wouldn't have been a civilization
- B) Prometheus can't exactly imagine what will happen in the future
- C) man has not got the ability to use fire
- D) Zeus can't have punished Prometheus
- E) Prometheus is the most evil creature

"Diana, Princess of Wales, became famous when she decided to marry Prince Charles. She became the most photographed person in the world. Everywhere she went, there were photographers taking pictures of her and people were very interested in her clothes, where she went on holiday and who she was with. They were also interested in the problems between them, even when they divorced she remained very popular. In addition to her image as a 'star', Princess Diana used her influence to attract attention to some charities. She was very sympathetic to all people who were ill and unhappy and dedicated time to helping them and drawing public attention to their problems. She used to visit homeless people regularly and did a lot of work for the National AIDS Trust; she visited people suffering from AIDS."

**18. It is implied in the passage that before her marriage to Prince Charles, Diana was ----.**

- A) widowed by another Prince of Wales
- B) an unknown figure to public
- C) one of the relatives to his family
- D) followed by an army of photographers
- E) was one of the victims of the epidemic AIDS

**19. It can be understood from the passage that Diana and Charles ----.**

- A) got on well due to her sympathy with children
- B) were expected to get divorced soon after the wedding
- C) had children before their marriage
- D) ended up in a marriage failure
- E) visited the hospitals in poor regions

**20. It is easy to infer from the passage that ----.**

- A) Prince Charles married someone else after separation
- B) the Royal Family never approved Diana's marriage to Prince Charles
- C) the National AIDS Trust was one of the clubs which Diana was a member of
- D) one photographer caused Diana to die in a car accident
- E) Diana wasn't indifferent to suffering people