Book 1

Mastering Thinking Skills

Selective and Scholarship Tests

2nd edition

- Enhances higher-order and critical thinking skills
- Improves knowledge and decision-making in problem solving
- Develops mental, cognitive and strategic abilities

A
FIVE SENSES
PUBLICATION

Yvonne Kang

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Test 1

1. Brian wants to buy a cup of instant noodles from the school canteen at lunch time. He will decide what to buy based on the recommendation from his friends.
There are three products.

   - Fantastic Bowl: $2.80, recommended by 4 of his friends.
   - Super Chicken Noodles: $3.50, recommended by 3 of his friends.
   - Beef Oodles: $5.20, recommended by 2 of his friends.

   If the noodles are cheap, then they don't have to be recommended by many people.
   If the noodles are expensive, then they have to be recommended by many people.

   Which product should Brian buy and why?

   A Fantastic Bowl because it's the cheapest and reasonably recommended.

   B Super Chicken Noodles because it is reasonably priced and least recommended.

   C Beef Oodles because it is the most expensive and most highly recommended.

   D They are all the same.

2. One of the largest impacts TV has on teenagers is violence. When someone sees a lot of violence on TV or video games, it can desensitize the viewer and make them feel almost immune to it when it is happening to them.

   Sandra: "Children should reduce their TV time to less than 30 minutes a day."

   Which one of these statements, if true, most **weakens** Sandra's argument?

   A Studies have shown that violence in young adults has been steadily increasing over the years.

   B Television has both positive and negative effects on children.

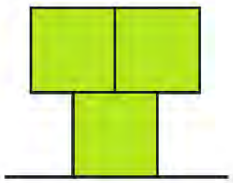
   C The average child watches TV about 14 hours each week.

   D There are channels on TV that are both fun and educational.

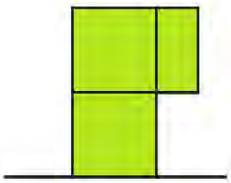
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3. Three identical cubes as stacked on top of each other. The views from the north and east are shown below.



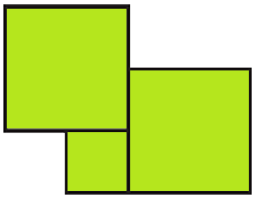
from the north



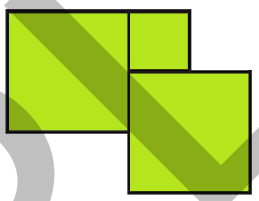
from the east

What does the sculpture look like from above?

A



B

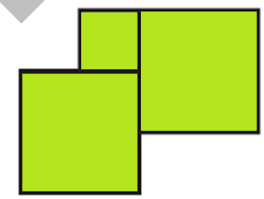




C



D



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4. David has four cars. No one else in his company has four cars. There are 50 people in his company.

If the information in the box is true, which one of the following must be also true?

A All employees in the company have less than four cars each.

B Everybody in the company has cars.

C Some of the employees have more than four cars.

D Forty-nine people in the company don't have 4 cars.

5. The Cinema Club has three categories of cinema memberships, as below.

- Gold membership – annual subscription $80
- Silver membership – annual subscription $40
- Bronze membership – annual subscription $20

The gold membership entitles members a 20% off discount on tickets.

The silver membership entitles members a 10% off discount on tickets.

The bronze membership entitles members a 5% off discount on tickets.

John is planning to watch one movie each month for a year and has decided to join one of the membership categories.

Which membership is the best deal for John?

A Gold membership

B Silver membership

C Bronze membership

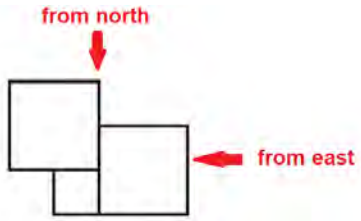
D They are all the same

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Solutions

TEST 1

1. **A**: Brian wants noodles that are either cheap with least recommendations or expensive with most recommendations. Fantastic Bowl is both the cheapest and most recommended by his friends.
2. **D**: Sandra's argument is that because TV is a bad influence, the time children are exposed to it should be reduced. Option D weakens this argument by providing a positive impact TV can have on its viewers.
3. **A**: From the north, all three cubes are equally visible. From the east, you can see the cubes stacked vertically with one cube partially visible on the right. Only figure A fits this description.



4. **D**: All other employees in the company have a different number of cars. This can be any number but 4. There is not enough information on other employees in the company to make a conclusion about them.
5. **C**: Let the tickets be $10 each.
   Each year, John will spend 12 x $10 = $120 on tickets.
   Gold: 20% savings on $120 = $24.
   $120 - $24 = $96 on tickets
   Total cost = $96 + $80 subscription fee = $176
   Silver: 10% savings on $120 = $12
   $120 - $12 = $108
   Total cost = $108 + $40 subscription fee = $148
   Bronze: 5% savings on $120 = $6
   $120 - $6 = $114
   Total cost = $114 + $20 subscription fee = $134
   John will spend the least with the bronze membership.
6. **D**: Lee 8, Sam and Ethan 9, Susan 10, Kerry 11
7. **B**: 30 – 10 = 20, 100 – 30 – 10 = 60, 100 + 10 – 30 = 80
8. **B**: Total number of days absent by 8 people = 30 + (2 x 10) +(3 x 3) + (4 x 2) + 5 = 72
   Total number of days absent by 7 people = 67
   Number of days Sam was absent = 72 – 67 = 5 days

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