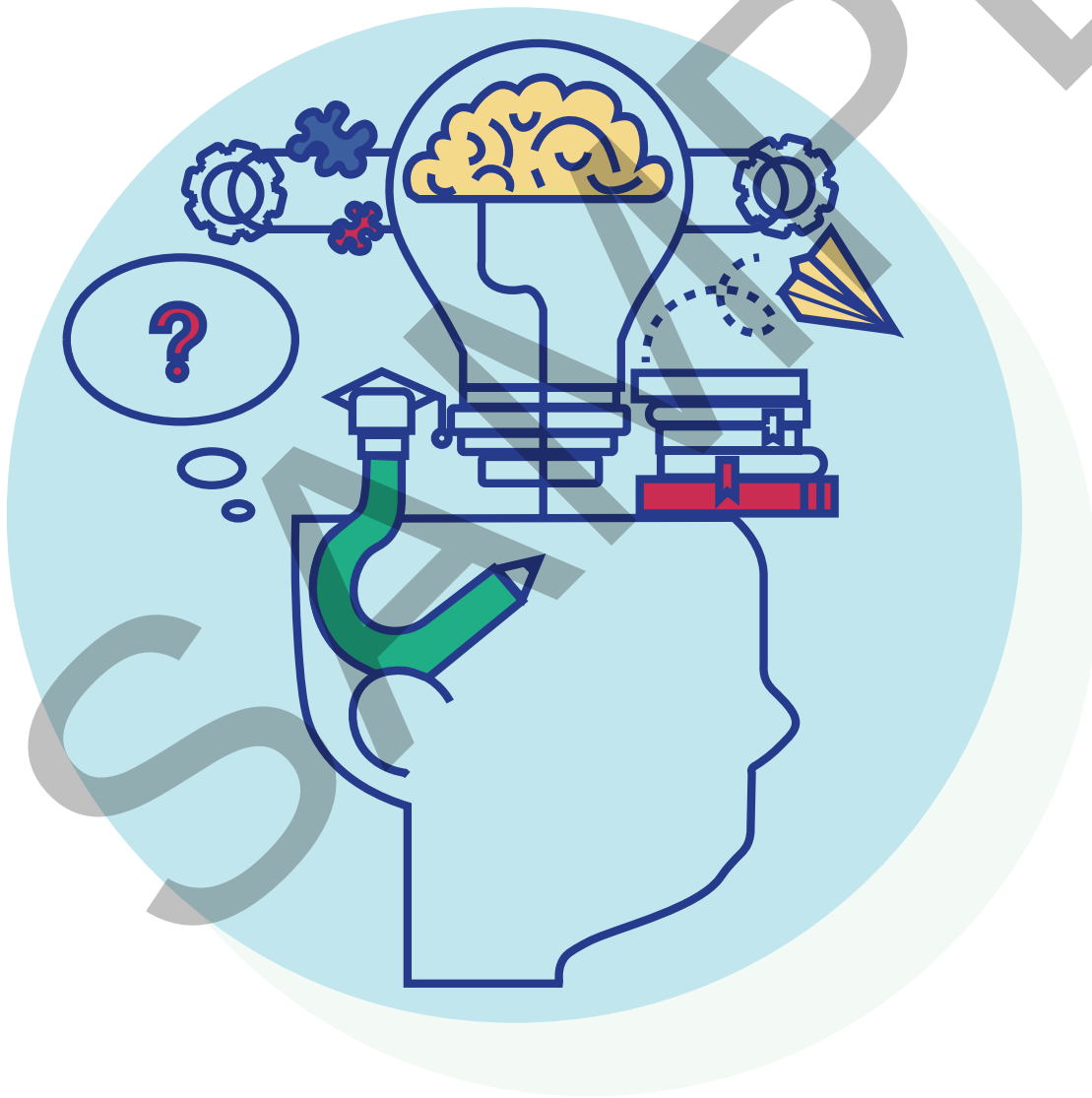


ESSENTIAL SELECTIVE THINKING SKILLS

5 Thinking Skills Test Papers



RAY LEE | JIMMY LIU

BOOK **2**

To Cookie, my light,
and to Phoebe who I hope
can one day figure out all the questions in this book.

Five Senses Education Pty Ltd
2/195 Prospect Highway
Seven Hills 2147
New South Wales Australia

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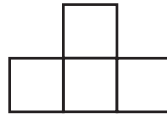
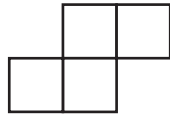
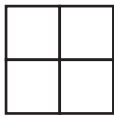
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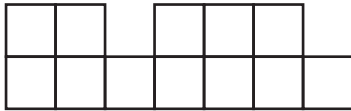
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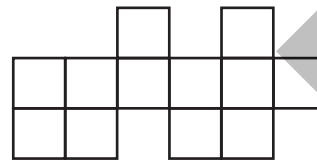
1 Consider these three shapes



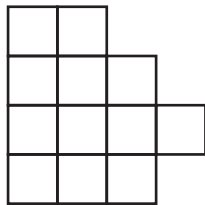
Which of the following cannot be made using each shape once only, without flipping, cutting or overlapping?



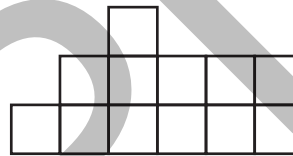
A



B



C



D

2 Communication is the backbone of our society. It allows us to form connections, influence decisions, and motivate change. Public speaking is one of the most important and dreaded forms of communication.

Which of the following, if true, most **strengthens** the argument above?

- A Communication is not vital to society, rather it is a specialised skill.
- B Having these skills is beneficial in the long run especially when one works.
- C Public speaking helps people to overcome their fears.
- D Communication allows individuals to develop greater fears in the future.

- 3 Kent Police have put out a tender for heating maintenance and installation. Below are quotes from 3 suppliers.

Heating maintenance and installation	Supplier 1 Total cost over 3 years (\$)	Supplier 2 Total cost over 2 years (\$)	Supplier 3 Total cost over 5 years (\$)
Installation and boiler replacements	24,000	18,000	36,000
Hot Air Systems	15,000	10,000	25,000
Service and maintenance	17,000	12,000	25,000

Amongst all three suppliers, based on an annual cost, what is the average cost to install hot air systems?

- A \$5000
- B \$6000
- C \$7000
- D \$8000

- 4 An advertisement for hair dye claims:

MULTI has the fastest setting hair dye as it only takes 30 minutes!

This claim was tested by using four different hair dyes, and two questions asked:

Hair Dye	Was it a MULTI hair dye?	Was the hair dyed in 30 minutes?
1	Yes	(a)
2	(b)	Yes
3	(c)	No
4	No	(d)

Which **two** answers **must** be known to test the claim that the advertisement makes?

- A a and b.
- B a and c.
- C c and d.
- D b and c.

- 5 If Nelly writes notes after class, she is better prepared for her spontaneous class tests.

If she doesn't do well in these class tests then she will be less prepared for the end of term exam.

If she does well in her end of term exam, she will have a score above 80%.

If the above statements are correct, which of the following is possible?

- A Nelly not writing notes after class will mean she will not score above 80% on the end of term test.
- B Nelly doing well in her class test will lead to a score below 80% on the end of term test.
- C Nelly being less prepared for the class test means she wrote her notes after class.
- D Nelly doing well in her exam means she didn't do well in the class test.

- 6 In a survey of juice lovers, everyone who liked apple did not like cranberry, but everyone who liked cranberry liked guava. Everyone who liked orange liked apple.

Luke, John, Dan and Han all took part in the survey.

Based on the information above, which of the following is **not** true?

- A If Luke likes apple juice, he doesn't like guava juice.
- B If John doesn't like cranberry juice, he likes orange juice.
- C If Dan doesn't like apple juice, he likes orange juice.
- D If Han likes orange juice, he doesn't like cranberry juice.

7

A song playlist plays random songs if there are less than seven songs in it.

Diana: “Wow is this a new song you added to the playlist? I’ve never heard it before.”

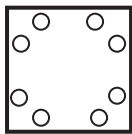
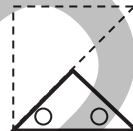
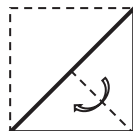
Cam: “No I didn’t add this, so you must added it.

If the information in the box is true, whose reasoning is correct?

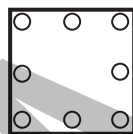
- A Diana only.
- B Cam only.
- C Both Diana and Cam.
- D Neither Diana nor Cam.

8

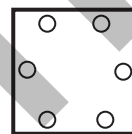
Choose a figure which would most closely resemble the unfolded form of given figure.



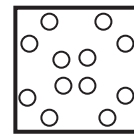
A



B



C



D

9

Ink jet printers are often very cheap. That is because they’re sold at cost, or even at a loss — the manufacturer either makes no profit from the printer itself or loses money. These are very affordable and tend to come with complimentary ink.

Which of the following, if true, most **weakens** the argument above?

- A Printers may be cheap but printer ink is more expensive than the actual printer.
- B The more expensive the printer is, the fancier it is.
- C Printers have always been a useful household item to have.
- D It is cheaper to produce printers than its ink.

Selective Practice Test Answers

Thinking Skills 6

Question	Answer	Explanation
1	C	For these questions, it helps to trace the outline of different shapes onto the options. For this question Option C cannot be made, as the given shapes cannot form with 4x2 rectangle without overlapping.
2	B	The argument establishes that public speaking is a source of fear for many, however it provides many benefits and is important. Options A and D are incorrect as they weaken the argument. Option C seems to strengthen the argument, but it actually weakens it as it provides a counterpoint to the negative aspect. Option B is correct as it is the only option that supports the argument. It is important to remember for this question type; an option that agrees with the argument will strengthen it, and an argument that contradicts the argument will weaken it – it doesn't matter if the argument is positive or negative.
3	A	To find the annual cost of hot air systems, divide the total cost by the number of years. $\$15,000 \div 3 = \$5,000$ $\$10,000 \div 2 = \$5,000$ $\$25,000 \div 5 = \$5,000$
4	B	For this question type, the claim is correct if every Yes for the first question is matched by a Yes for the second question. As such, if there is a Yes in the first column we must know if there is a Yes in the second column, and if there is a No in the second column we must know if there is a Yes in the first column. Dye 1 has a Yes in the first column, so we must know a); and Dye 3 has a No in the second column, so we must know c).
5	A	If Nelly does not write notes, she is less well prepared for her class tests, meaning she should do worse. Doing badly on her class means she is less prepared for the final, and will likely score below 80%. Therefore, Option A is correct.
6	C	IF likes apple THEN doesn't like cranberry IF likes cranberry THEN likes guava IF likes orange THEN likes apple Option C is correct as it contradicts the third statement.