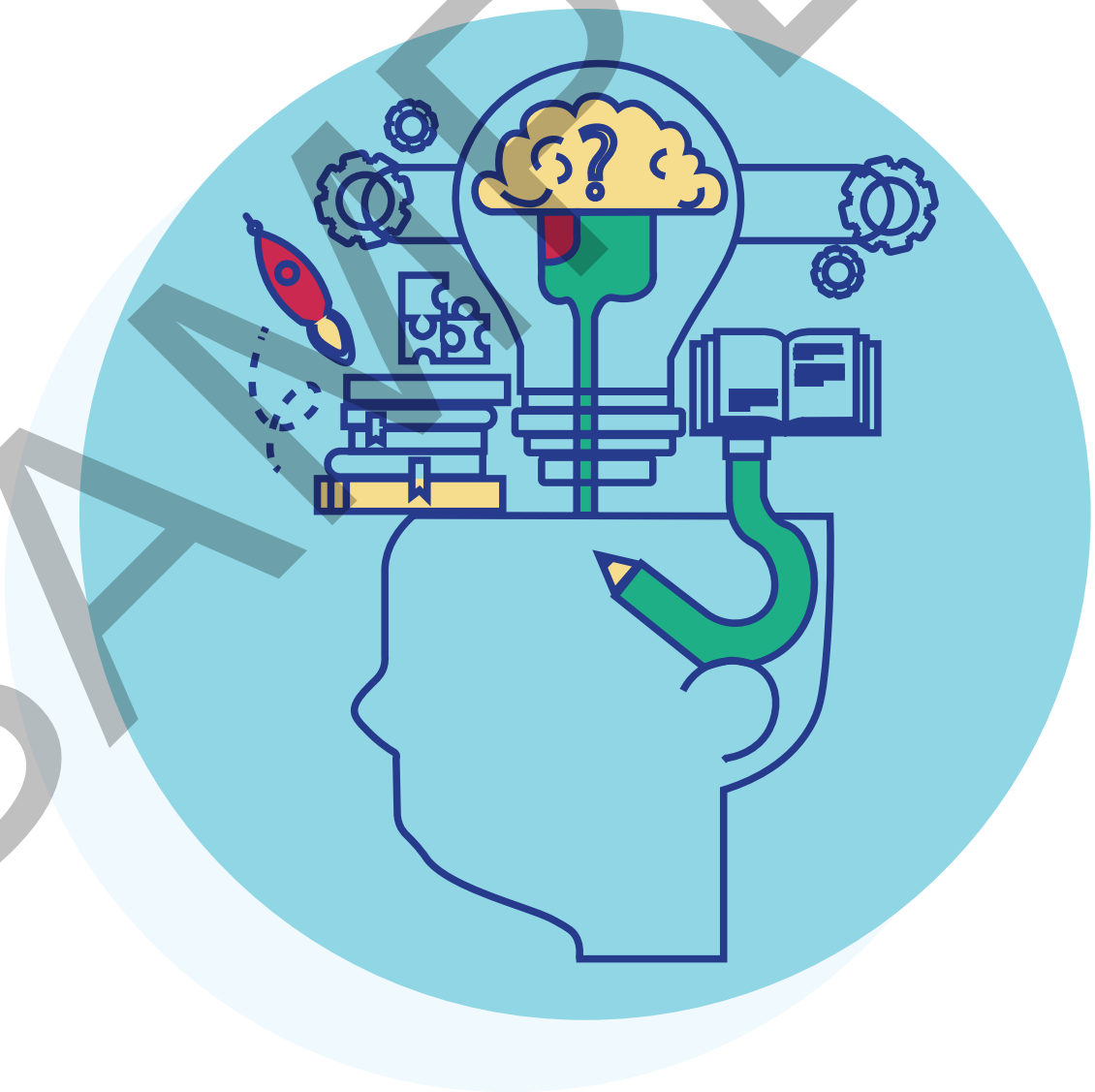
ESSENTIAL

OPPORTUNITY CLASS

THINKING SKILLS

5 Thinking Skills Test Papers



SAMPLE

BOOK 1

RAY LEE | JIMMY LIU

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

SAMPLE

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

Copyright © Ray Lee and Jimmy Liu © Five Senses Education Pty Ltd 2023
First Published 2023

All rights reserved. Except under the conditions described in the Copyright Act 1968 of Australia and subsequent amendments, no part of this publication may be reproduced stored in a retrieval system or transmitted in any form or by any means electronic, mechanical, photocopying, recording or otherwise, without the prior permission of the copyright owner.

Lee, Ray and Liu, Jimmy

Essential Selective
Mathematical Reasoning Book 1
ISBN 9781760325336

2023 02 08

© Ray Lee and Jimmy Liu © Five Senses Education Pty Ltd 2023

Contents

Thinking Skills Practice Test 1 3

Thinking Skills Practice Test 2 16

Thinking Skills Practice Test 3 30

Thinking Skills Practice Test 4 43

Thinking Skills Practice Test 5 56

Thinking Skills Practice Test Answer Sheet 69

Thinking Skills Practice Test Answers & Solutions 79

SAMPLE

2023 02 08

1 Vivian has this stamp.



Which one of these shapes can she print with it?

BRAND	DNARB	DNARB	DRANB
A	**B**	**C**	**D**

2 Scientists suggest decreasing phone time is beneficial to all children and that parents should restrict screen time.

Which one of the statements, if true, best supports the Scientists' claim?

A Children should play sports more

B Decreasing phone time allows children to participate in more activities

C Decreasing phone time will allow parent's phones to have more battery

D Phones should only be used to play Fortnite

3 Ella, Bella and Nella all keep games. Ella owns FIFA, Battlefield and Rocket League. Bella owns Rocket League, FIFA and Roblox. Nella owns Minecraft, Call of Duty and FIFA.

Which games does Ella or Bella own that Nella does not?

A Minecraft, Call of Duty

B FIFA, Call of Duty

C Battlefield, Rocket League, Roblox

D Battlefield, Rocket League, FIFA

SAMPLE

 © Ray Lee and Jimmy Liu © Five Senses Education Pty Ltd 2023

4 Next year in sports class, I need to choose 4 sports to learn.

I have to choose one sport from each of the following lists.

LIST 1	LIST 2	LIST 3	LIST 4
Soccer	Badminton	Swimming	Cricket
Basketball	OZ-Tag	Touch Football	Rugby
Cricket	Quidditch	Soccer	Table Tennis
Dancing	Rowing	Badminton	Quidditch

I know that I want to choose Soccer, Cricket and Basketball.

Which one of the following can I NOT choose as my final sport?

A Rowing

B OZ-Tag

C Dancing

D Badminton

5

To become a worthy dragon warrior, you need to have excellent agility as well as discipline

Sam: "Sally is extremely quick and has amazing reflexes. The only problem is that she is sometimes unable to follow rules and is stubborn. Regardless, she will become the dragon warrior."

Sally: "Sam was brought up to have good disciplinary skills, however, has slow agility. He will become the dragon warrior."

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

A Sam Only

B Sally Only

C Both Sam and Sally

D Neither Sam nor Sally

SAMPLE

6 Katy, Taylor and Meghan are standing in a horizontal line.

If Taylor is to the left of Meghan, and Meghan is to the right of Katy, which one of the following must be true?

A Meghan is on the furthest right

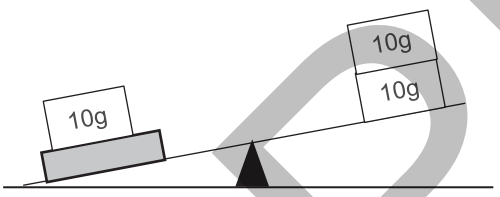
B Katy is in the middle of the other two

C Katy is to the furthest right

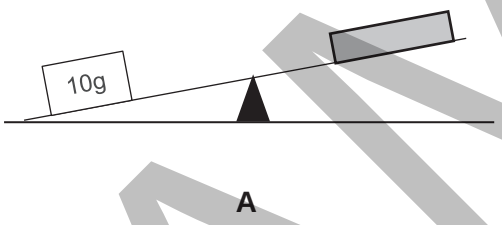
D Taylor is in the middle of the other two

7 Here is a set of unbalanced scales.

The weight of ▭ is unknown.



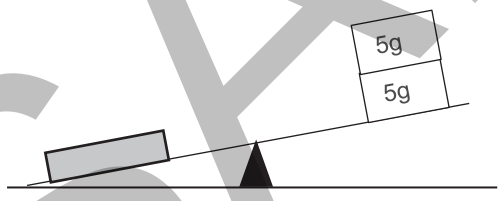
Which of the following is possible?



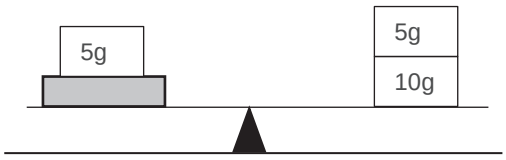
A



B



C



D

SAMPLE

 © Ray Lee and Jimmy Liu © Five Senses Education Pty Ltd 2023

8

Jimmy and Kendell are in a classroom.

Jimmy: “Sally asked me to get her phone for her but I can’t seem to find it here. It’s a black coloured iPhone.”

Kendell: “Ooh look I see a black iPhone there. That must be Sally’s phone.”

Which one of the following sentences shows the mistake Kendell has made?

A There are many black iPhones, so it might not be Sally’s

B Sally must be the one who should come get her phone and not make Jimmy do it

C Kendell purposely pointed at the wrong phone because she does not like Sally

D Kendell isn’t too sure what an iPhone looks like.

9 Sports specialists say that: “All Soccer players must wear shin pads/shin guards”.

Which one of the statements, if true, best supports the sports specialists’ claim?

A Shin pads are uncomfortable to wear

B Shin pads decrease the risk of leg injuries

C Soccer players need to make sure they only kick the ball

D Goalkeepers don’t need to wear shin pads/shin guards

SAMPLE

© Ray Lee and Jimmy Liu © Five Senses Education Pty Ltd 2023

OC Practice Test Answers
Thinking Skills 1

Question	Answer	Explanation
1	A	Cannot be B since A is flipped incorrectly, Cannot be C since B faces the wrong direction, Cannot be D since the sequence of letters is wrong. Therefore A.
2	B	B most strongly supports the statement. A does not mention phones thus not supporting the statement. C does not show clear benefits for children. D does not support the statement at all.
3	C	Cannot be A since Nella owns Call Of Duty. Cannot be B since Nella owns Call of Duty. Cannot be D since Nella owns FIFA. Therefore must be B.
4	C	If Soccer, Cricket and Basketball are chosen. A sport from list 2 must be chosen. Rowing, OZ-Tag and Badminton are all sports in list 2 and thus can be chosen. While Dancing is in List 1 thus the answer is C.
5	D	Sam's reasoning is wrong as a Dragon Warrior requires discipline, and Sally does not have discipline as she is stubborn and unable to follow rules, thus making her unable to become a Dragon Warrior. Sally's reasoning is wrong as a Dragon Warrior must have excellent agility and Sam has slow agility thus making her unable to become a Dragon Warrior. Hence Neither Sam nor Sally are correct, D
6	A	Taylor to the left of Meghan means that Meghan is to the right of Taylor. Since Megan is also to the right of Katy, Megan must be the furthest right in the line. Thus, A
7	C	The Block must be greater than 10 g since the image shows the scale is unbalanced with the block side touching the floor. This means A is not possible as the scale shows the block as lighter than 10g. It cannot be B as it shows the block equal to 10g. Cannot be D since it shows the block plus 5g equal to 15g. Hence must be C since it shows the block heavier than 10g.

SAMPLE

© Ray Lee and Jimmy Liu © Five Senses Education Pty Ltd 2023