



MathConceptition

2021

K3

Question Booklet

問題簿



限時：30 分鐘

不允許使用計算機。

比賽須知：

1. 未宣布開始前，切勿翻閱此問題簿。
2. 請核對標籤貼紙上列出的資料是否與你相符。如有問題，請舉手。
3. 問題簿內所有題目均為多項選擇題，你需於每題選出一個答案，並用鉛筆圈出。
4. 比賽完結時監考員會收回桌上的草稿紙，但草稿紙上所書寫的任何文字或圖表將不獲評閱。
5. 此問題簿的附圖不一定依比例繪成。

Time: 30 minutes

Calculators are NOT permitted.

Instructions:

1. DO NOT OPEN THIS QUESTION BOOKLET UNTIL YOU ARE TOLD TO DO SO.
2. If your information on the pre-printed label is not correct, please inform the invigilator immediately.
3. For each question, you will be asked to choose one option from the list. Use a pencil to circle ONE answer only.
4. Rough-work sheets provided will be collected at the end of the contest but they will not be marked.
5. Diagrams in this question booklet are not necessarily drawn to scale.

1) $2 + 6$ 是多少?

[3.8%]

What is $2 + 6$?

(A) 2

(B) 4

(C) 6

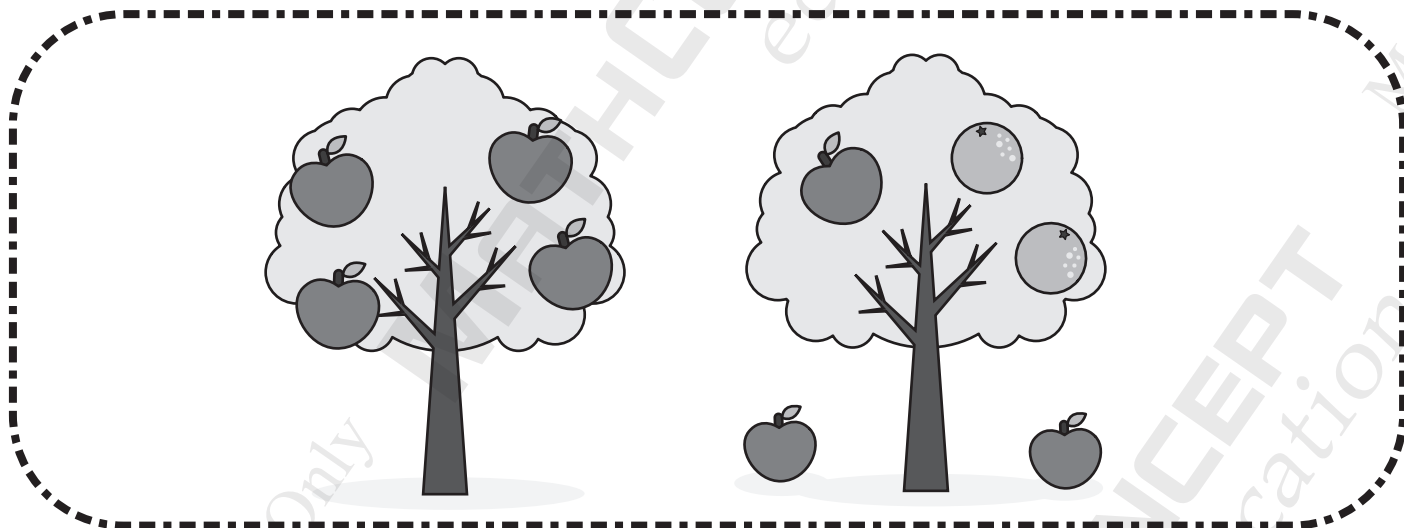
(D) 7

(E) 8

2) 數一數樹上蘋果的數目。

[3.9%]

Count the number of apples on the trees.



(A) 5

(B) 6

(C) 7

(D) 8

(E) 9

3) $12 - 3$ 是多少?

[4%]

What is $12 - 3$?

(A) 15

(B) 12

(C) 10

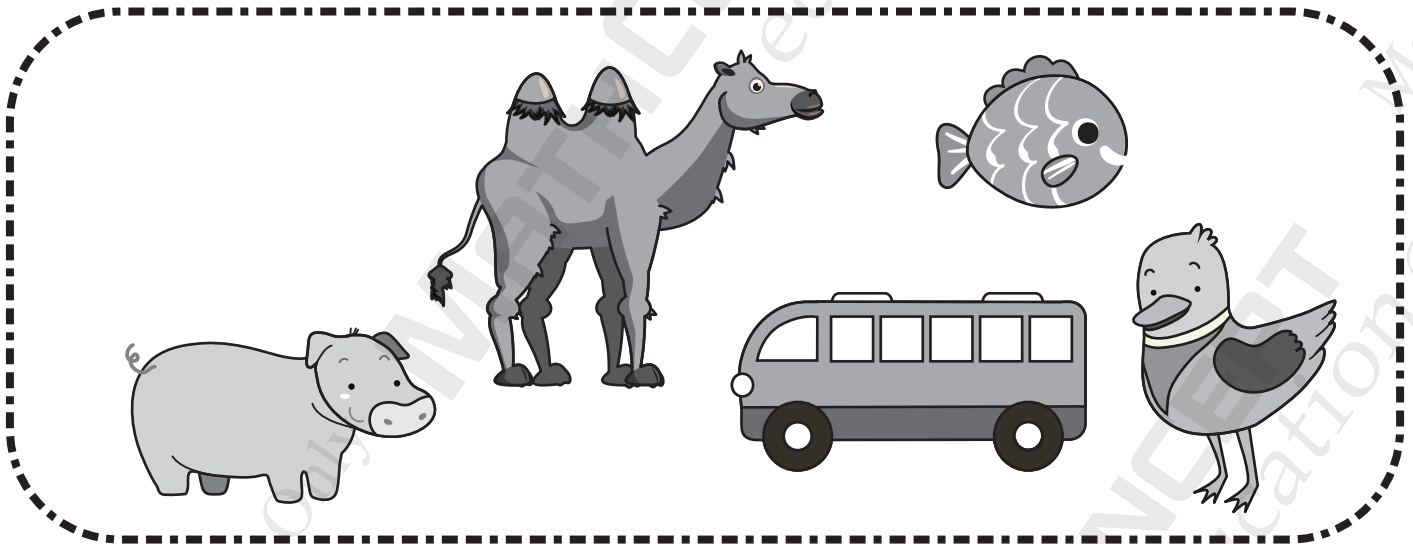
(D) 9

(E) 8

4) 數一數共有多少隻腳。

[4.1%]

Count the number of legs.



(A) 10

(B) 11

(C) 12

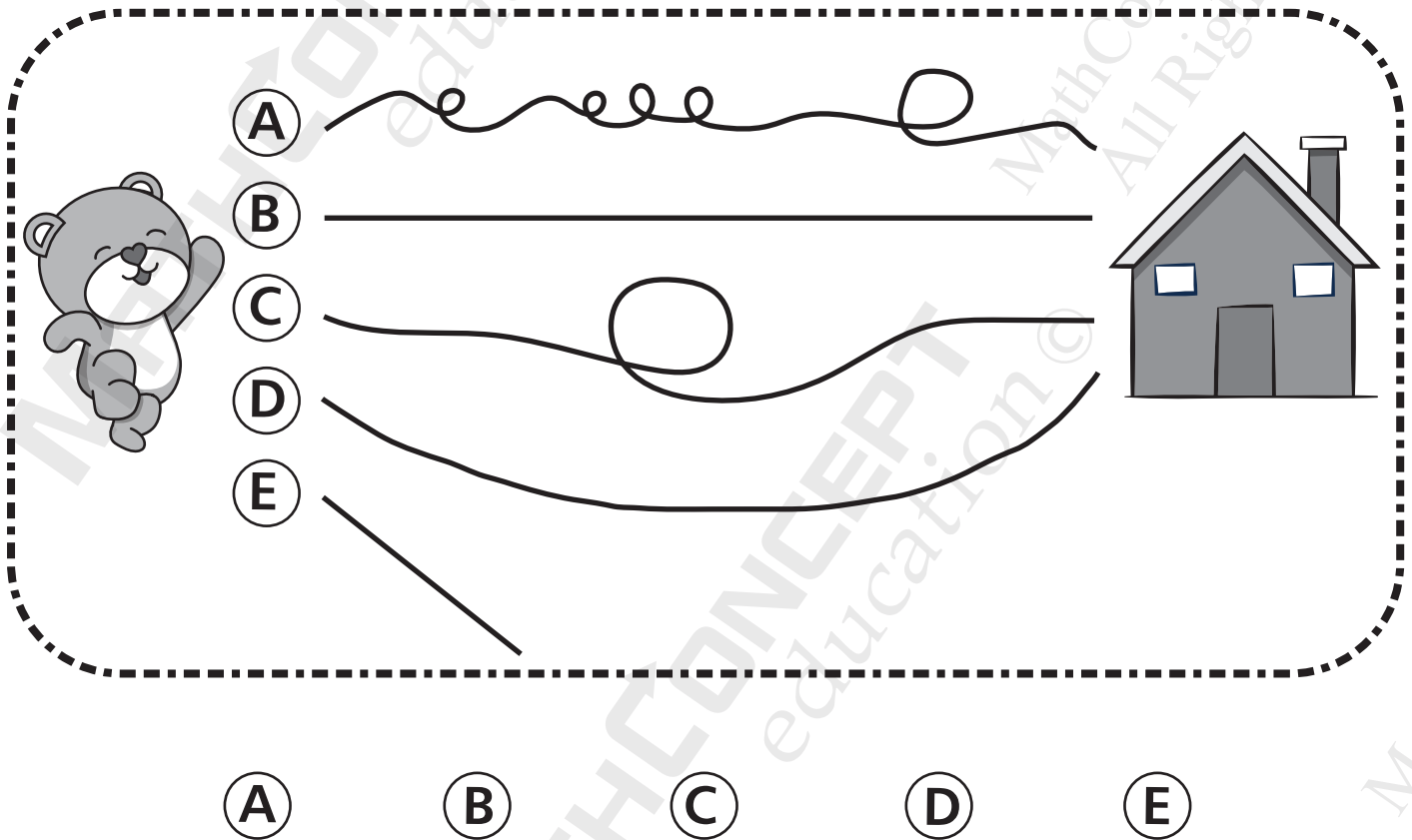
(D) 13

(E) 14

5) 哪一條路線能最快回家?

[4.2%]

Which route is the fastest to be home?



6) $\heartsuit + 8 = 15$. \heartsuit 是多少?

[4.3%]

$\heartsuit + 8 = 15$. What is \heartsuit ?

(A) 7

(B) 8

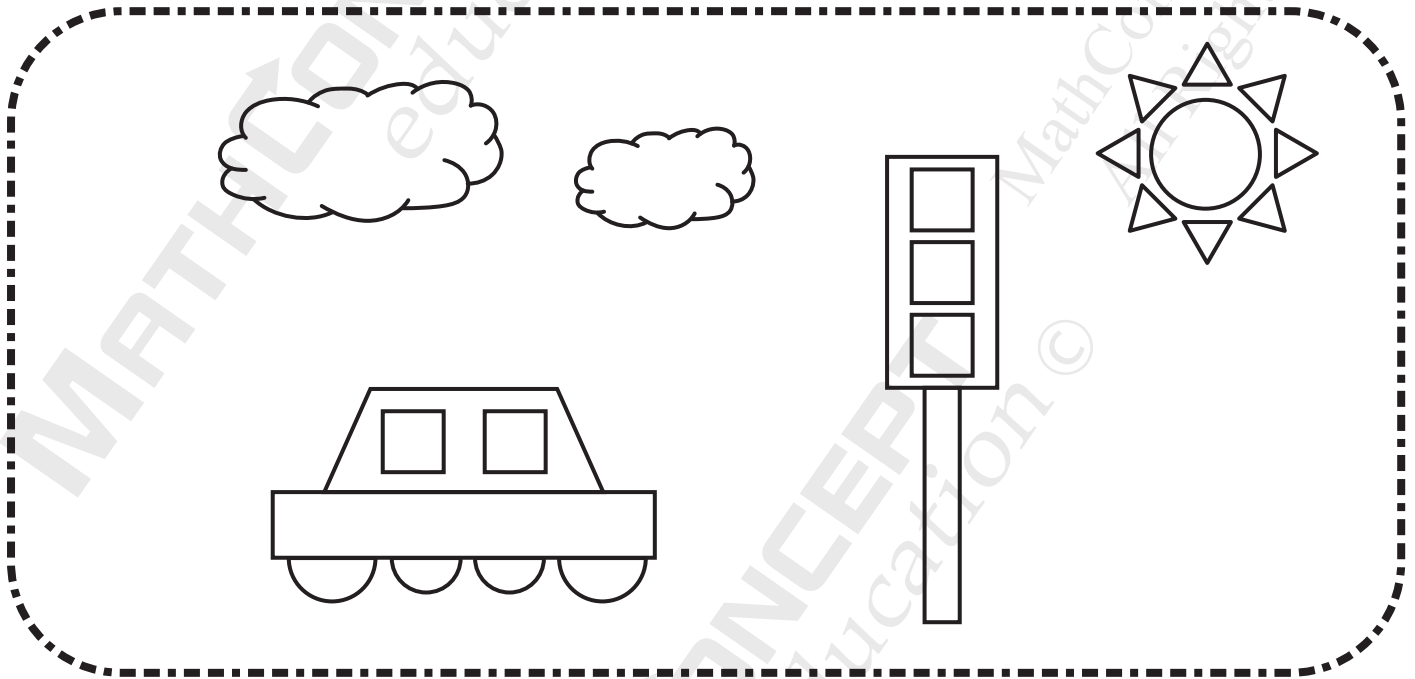
(C) 15

(D) 23

(E) 25

7) 數出正方形的數目。 [4.4%]

Count the number of squares in the figure.



- (A) 5 (B) 6 (C) 7
 (D) 8 (E) 9

8) 根據規律，找出橫線上的數字。 [4.5%]

Find the missing number.

5 , 8 , 11 , 14 , ? , 20 , 23 , 26

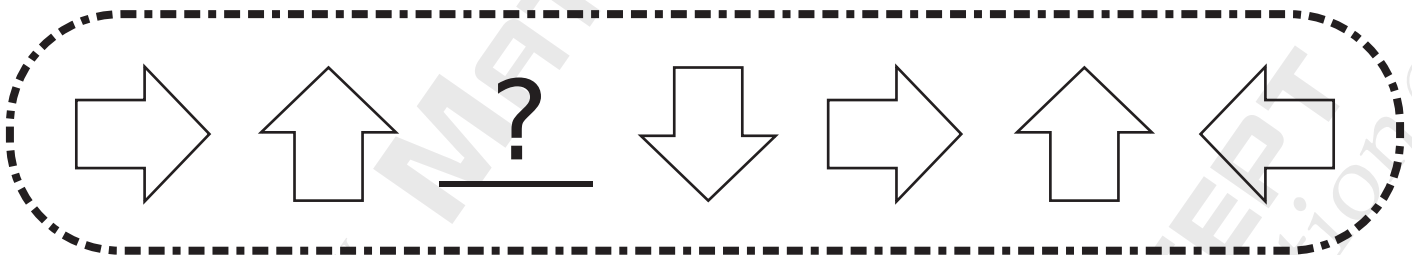
- (A) 15 (B) 16 (C) 17
 (D) 18 (E) 19

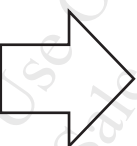
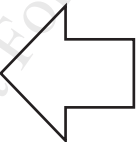
- 9) 小明有 7 個蘋果、6 個橙和 5 粒糖果。他吃了 2 粒糖果後，還剩多少個水果？ [4.6%]



Tom has 7 apples, 6 oranges and 5 candies.
After eating 2 candies, how many fruits does he still have?

- (A) 3 (B) 5 (C) 13
(D) 16 (E) 18
-


- 10) 根據規律，找出缺掉的圖案。 [4.7%]
Find the missing shape.

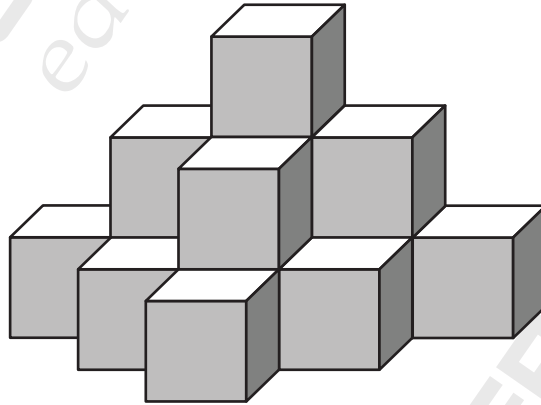


- (A) 
(C) 

- (B) 
(D) 

11) 要砌出以下立體需要多少粒  ? [4.8%]

How many  should be used to build the solid below?



(A) 10

(B) 11

(C) 12

(D) 13

(E) 14

12) 今天是星期日。15 天後是星期幾? [4.9%]

Today is Sunday. Which day of the week is it after 15 days?

(A) 星期一
Monday

(B) 星期二
Tuesday

(C) 星期三
Wednesday

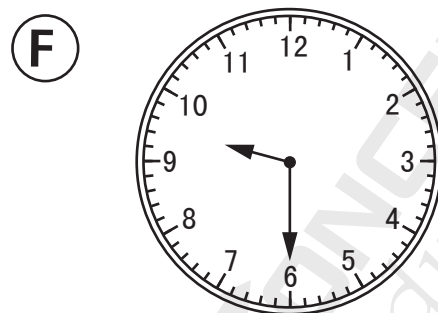
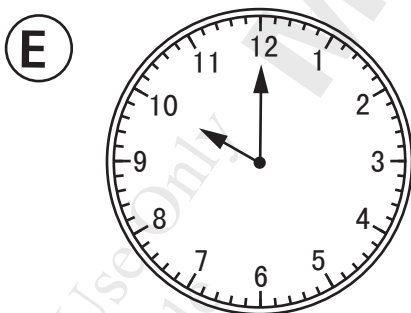
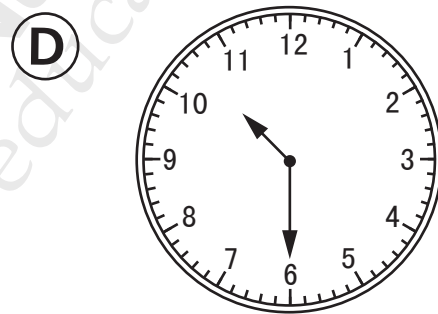
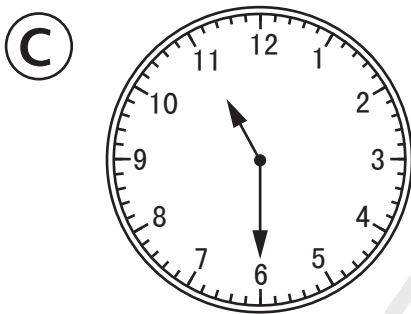
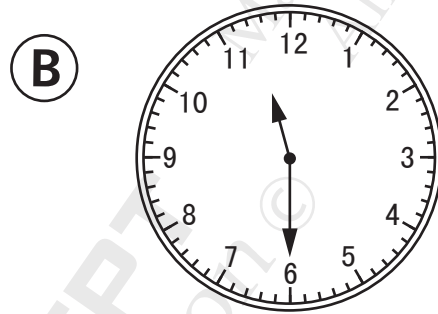
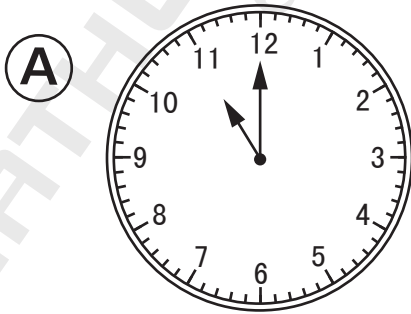
(D) 星期四
Thursday

(E) 星期五
Friday

(E) 星期六
Saturday

- 13) 以下哪一個鐘面顯示的時間是「十時半的一小時後」？ [5%]

Which of the following shows the time of "one hour after half past ten"?



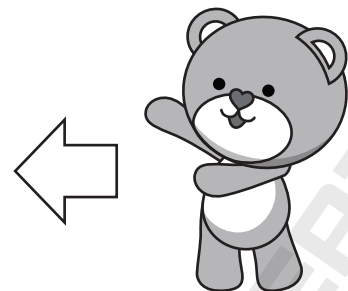
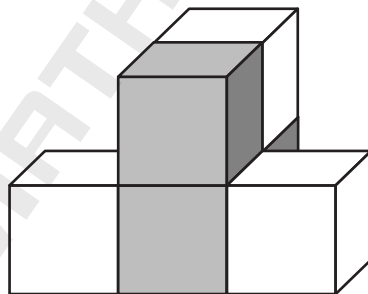
- 14) 小明今年 5 歲。他的哥哥比他大 3 歲。4 年後， [5.1%]
問二人的年齡總共是多少歲？

Tom is 5 years old. His brother is 3 years older than him. After 4 years, what is the sum of their ages?

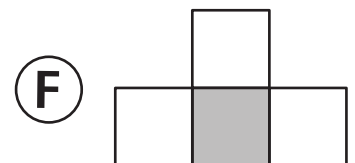
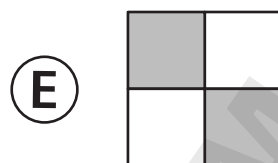
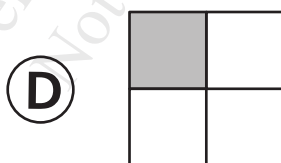
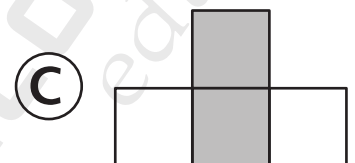
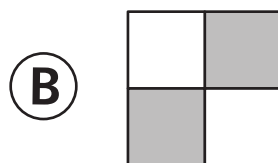
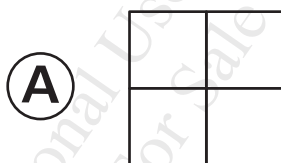
- (A) 12 (B) 15 (C) 18
(D) 20 (E) 21

- 15) 小明看到哪一種圖案？ [5.2%]

Which view will Tom see?

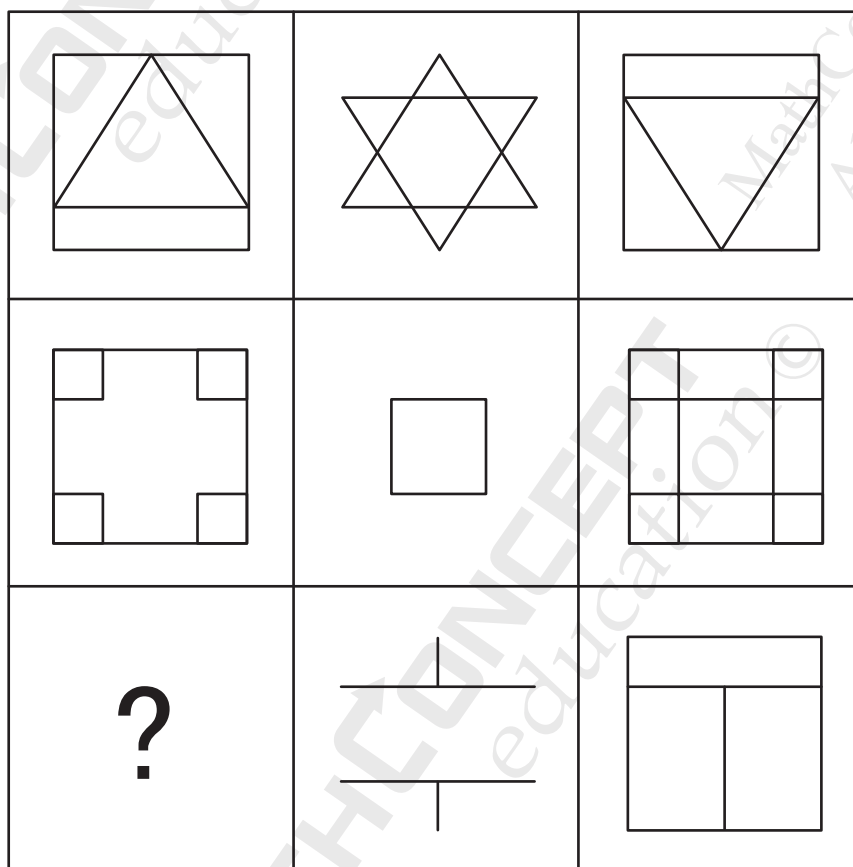


小明 Tom

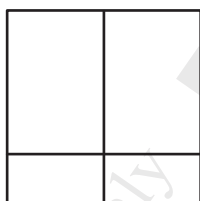


- 16) 找出缺掉的圖案。
Find the missing shape.

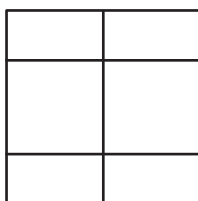
[6.3%]



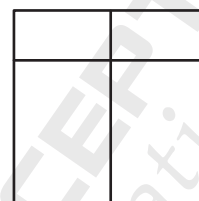
Ⓐ



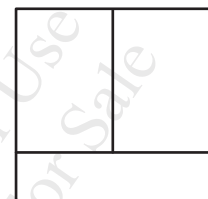
Ⓑ



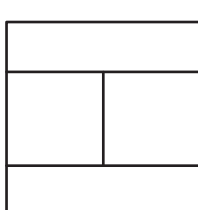
Ⓒ



Ⓓ



Ⓔ



- 17) 有六條魚(分別是A、B、C、D、E和F)正在排隊。D排在C之前，並排在A之後。E排在D之後，並排在C之前。已知B排第一而且F排最後。問E排第幾位？ [6.4%]

Six fish, A, B, C, D, E and F are lining up. D is in front of C and behind A. E is behind D and in front of C. It is given that B is the first and F is the last in the line. Which place is E in the line?



- Ⓐ 第一位
1st
- Ⓑ 第二位
2nd
- Ⓒ 第三位
3rd
- Ⓓ 第四位
4th
- Ⓔ 第五位
5th
- Ⓕ 第六位
6th

18)

[6.5%]

$$\begin{array}{rcl}
 \text{Apple} & + & \text{Apple} = 10 \\
 \text{Apple} & + & \text{Banana} = 9 \\
 & & \text{Banana} = \underline{\quad?}
 \end{array}$$

Ⓐ 5

Ⓑ 6

Ⓒ 7

Ⓓ 8

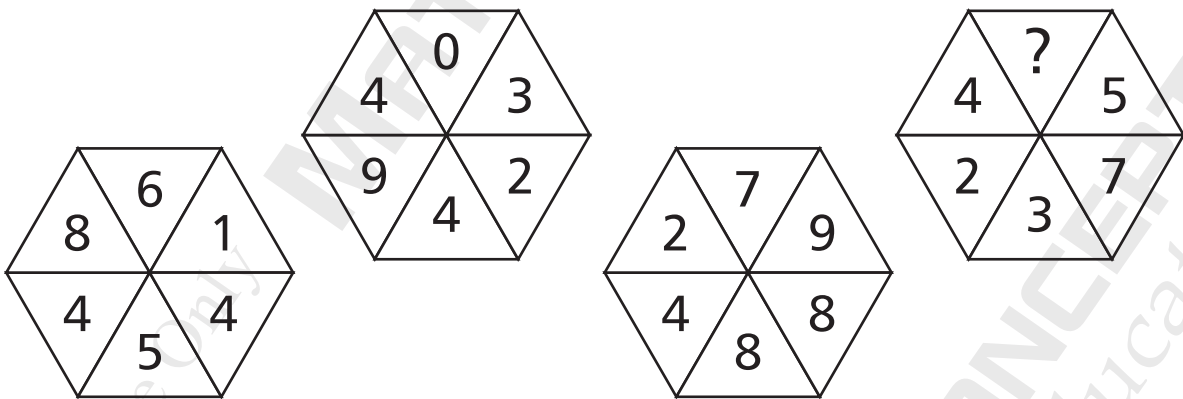
Ⓔ 9

Ⓕ 10

19) 解以下謎題。

[6.6%]

Solve the following puzzle.



Ⓐ 0

Ⓑ 1

Ⓒ 2

Ⓓ 3

Ⓔ 4

Ⓕ 5

- 20) 5 年前，小明和媽媽相距 25 歲。5 年後，小明 [6.7%]
和媽媽合共 63 歲。問小明今年幾歲？

5 years ago, the difference between Tom's age and his mom's age was 25 years. 5 years later, the sum of their ages will be 63 years. How old is Tom now?

- | | | |
|------|------|------|
| Ⓐ 5 | Ⓑ 8 | Ⓒ 9 |
| Ⓓ 10 | Ⓔ 14 | Ⓕ 18 |
| Ⓖ 23 | Ⓖ 24 | Ⓖ 33 |

全卷完
End of paper

MathConceptition 2021

K3

1. E

2. A

3. D

4. A

5. B

6. A

7. A

8. C

9. C

10. C

11. E

12. A

13. B

14. E

15. E

16. D

17. D

18. F

19. D

20. E