MathConception
2019

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)   4 + 5 是多少？   [3.8%]

     What is 4 + 5 ?

     (A) 4   **(B)** 5   **(C)** 7

     (D) 8   **(E)** 9

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2)   數一數香蕉的數目。   [3.9%]

     Count the number of bananas.

     (A) 6   **(B)** 7   **(C)** 8

     (D) 5   **(E)** 2

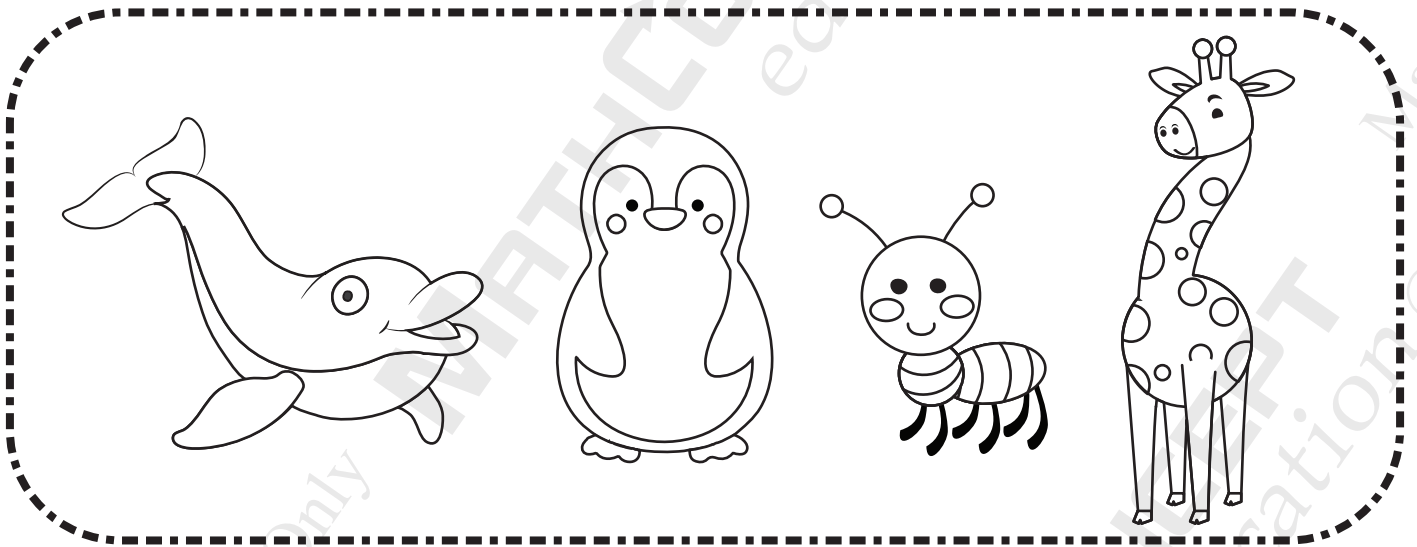**3)** 15 – 9 是多少？ [4%]

What is 15 – 9 ?

(A) 10   (B) 5   (C) 4

(D) 6   (E) 24

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4) 以下動物共有多少隻腳？ [4.1%]

Count the number of legs.

(A) 10   (B) 11   (C) 12

(D) 13   (E) 14

5) 哪一條線最短？ [4.2%]

Which line is the shortest?

Ⓐ Ⓑ Ⓒ Ⓓ Ⓔ

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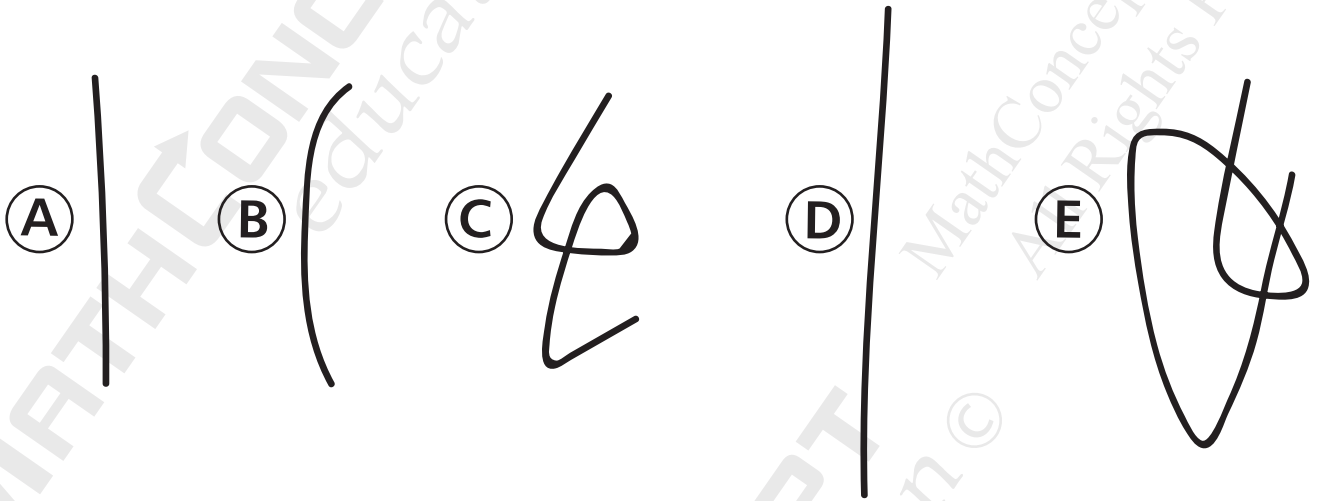
6) 右邊有多少個蘋果？ [4.3%]

How many apples are there on the right?

Ⓐ 5 Ⓑ 6 Ⓒ 7
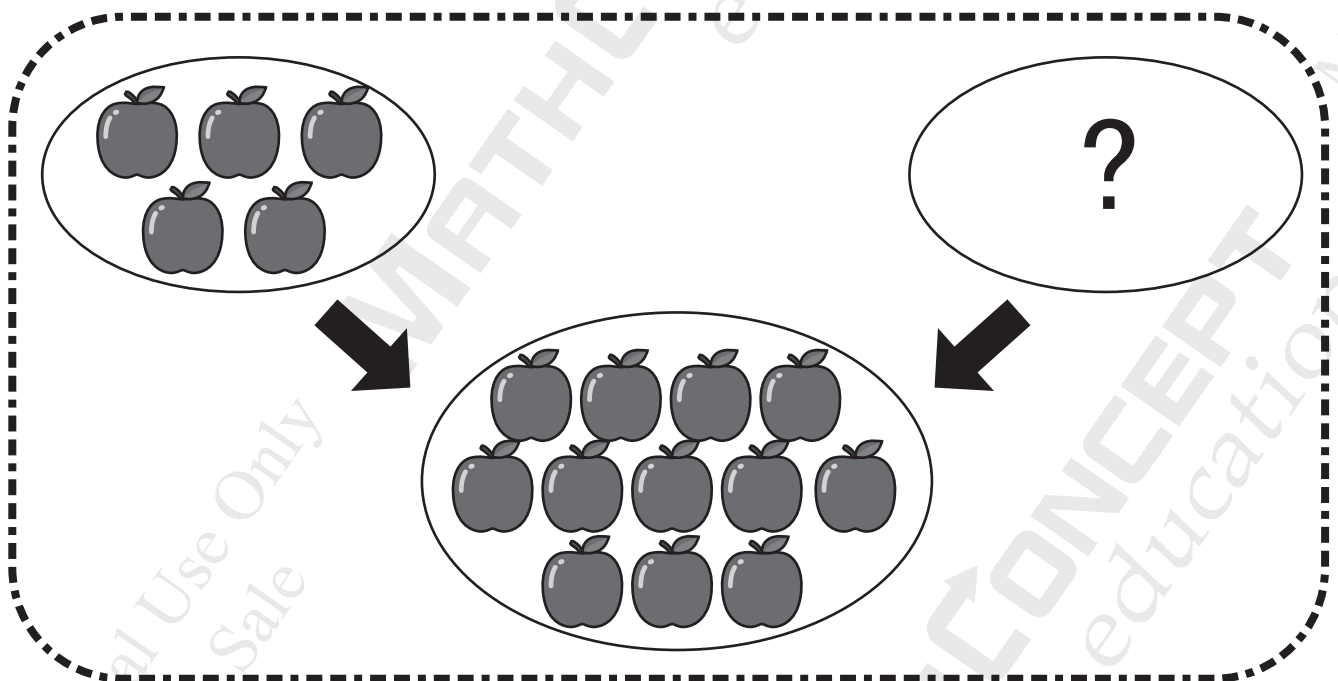
Ⓓ 8 Ⓔ 12

7) 根據規律，找出橫線上的數字。　　　　　　　　[4.4%]

Find the missing number.

$$1 , 2 , 2 , 3 , 3 , \underline{\qquad} , 4 , 4 , 4 , 4 , \ldots$$

(A) 3 　　　　　(B) 4 　　　　　(C) 5

(D) 6 　　　　　(E) 7

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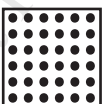
8) 第十個圖形是甚麼？　　　　　　　　　　　　[4.5%]
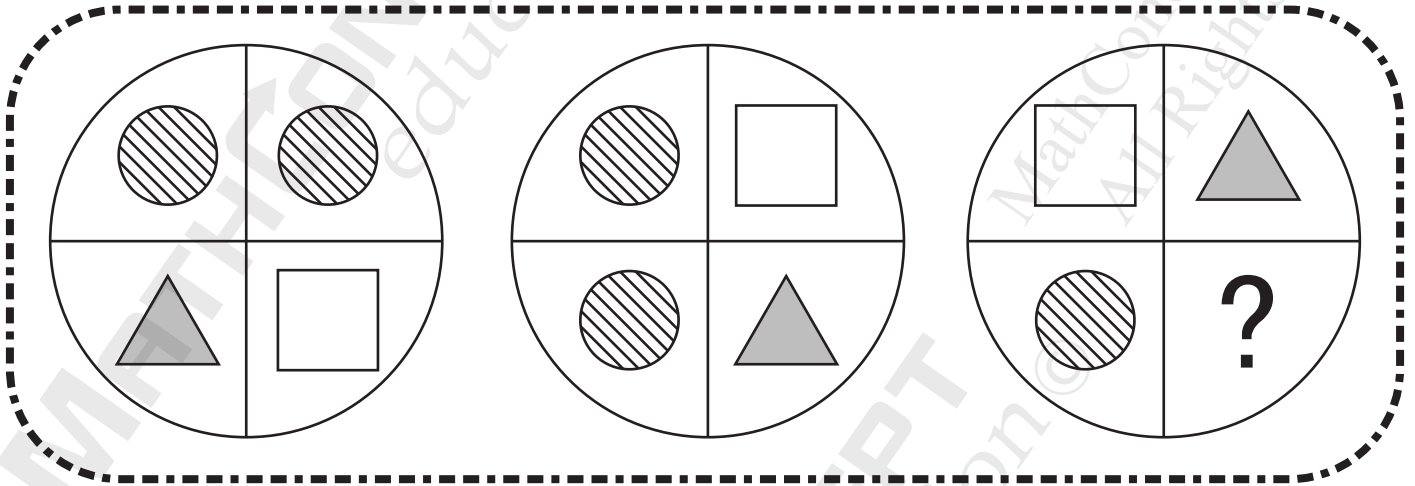
What is the 10th shape?
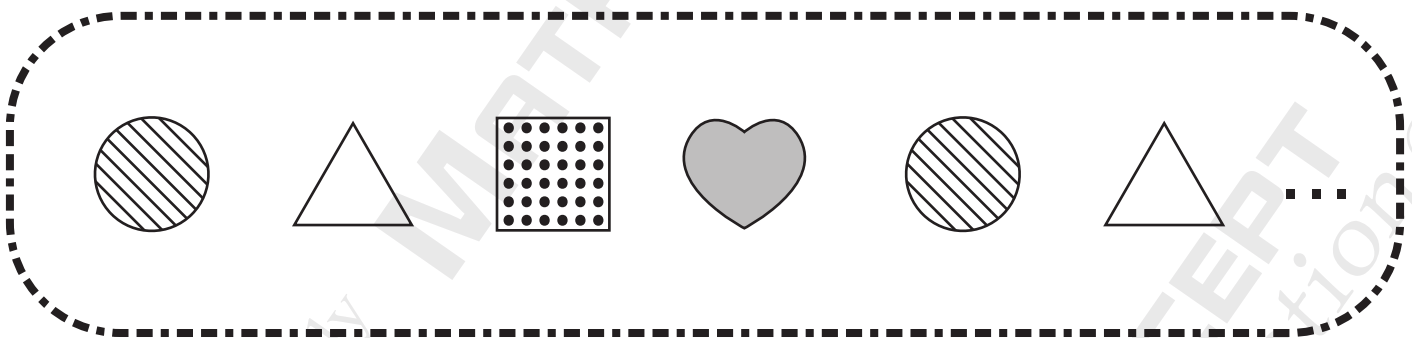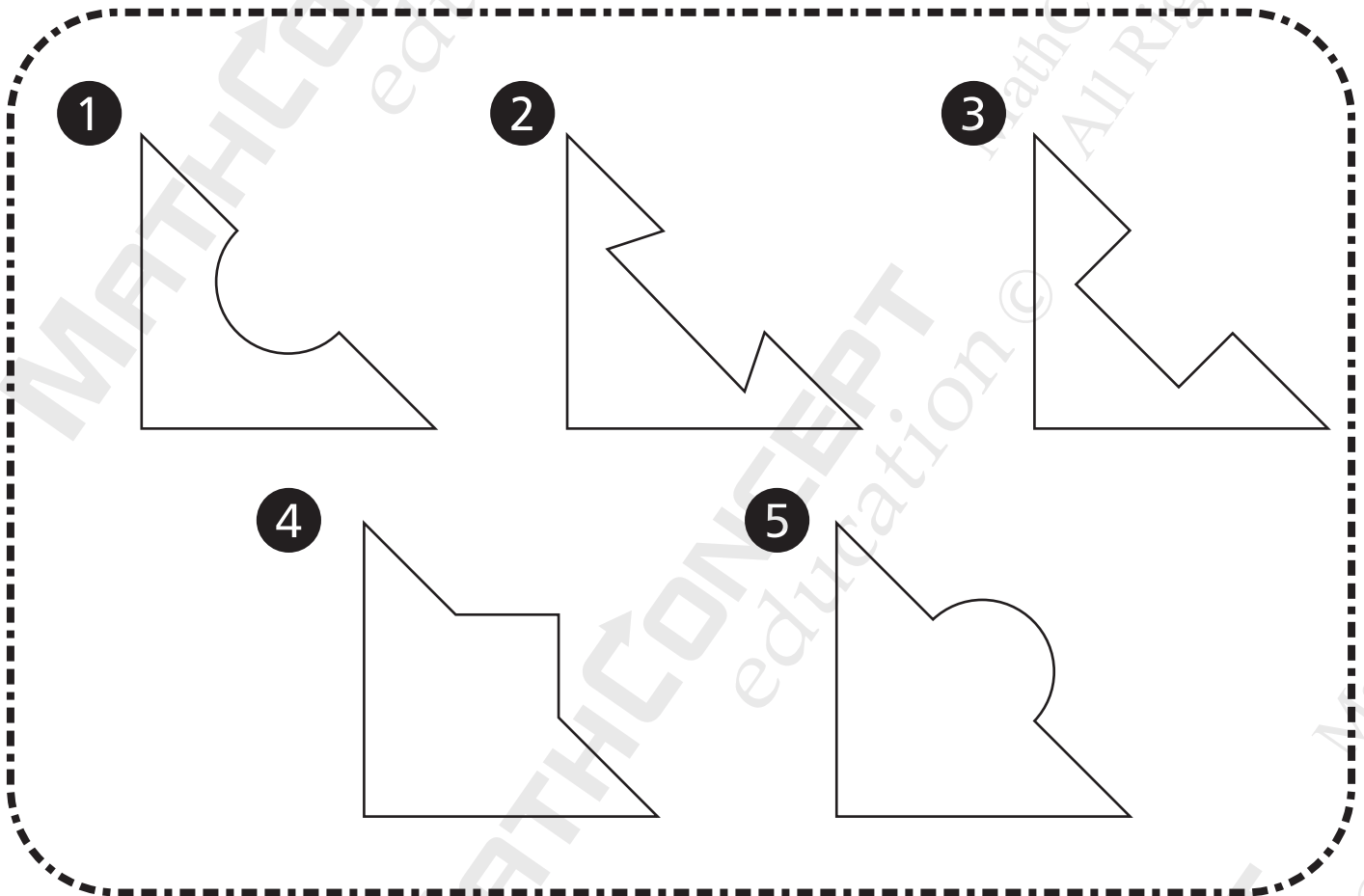

(A) 　　　　　　(B)

(C) 　　　　　　(D)

9) 根據規律，找出缺掉的圖案。 [4.6%]

Find the missing shape.

A ☐

B ◑

C ◐

D ▲

E ▨
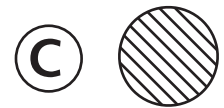
10) 哪兩個圖形可以合成一個正方形？ [4.7%]

Which two shapes can be combined as a square?

Ⓐ ❶ ❷ 　　　　Ⓑ ❸ ❹ 　　　　Ⓒ ❷ ❺

Ⓓ ❷ ❹ 　　　　Ⓔ ❶ ❺

11) 數出圖中正方形的數目。 [4.8%]

Count the number of squares in the picture.
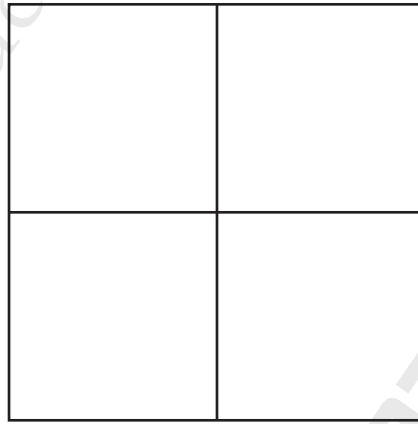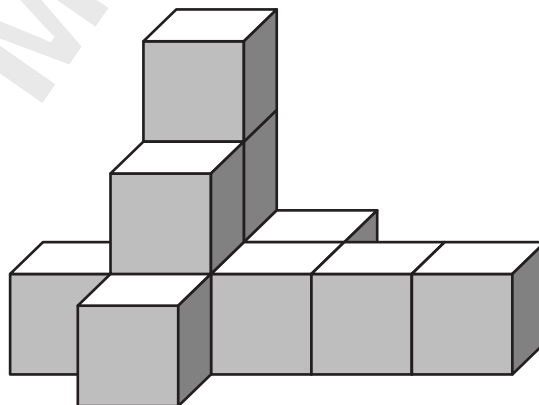

(A) 4   (B) 5   (C) 6

(D) 7   (E) 8

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12) 要砌出以下立體需要多少粒 ？ [4.9%]

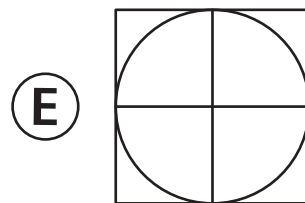How many should be used to build the solid below?

(A) 10   (B) 11   (C) 12
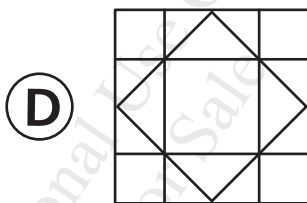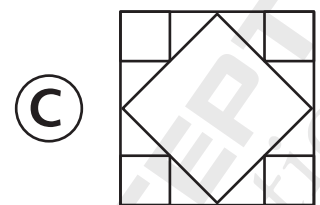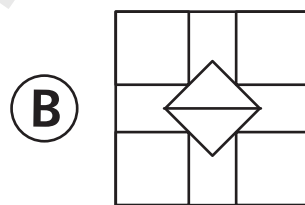
(D) 13   (E) 14

13) 找出缺掉的圖案。 [5%]

Find the missing shape.

(A)

(B)

(C)

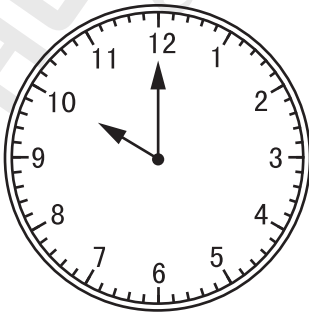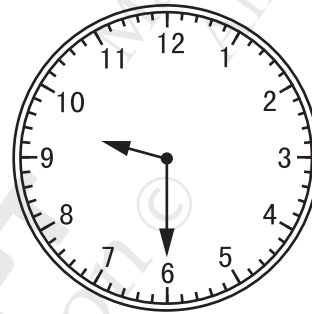(D)

(E)
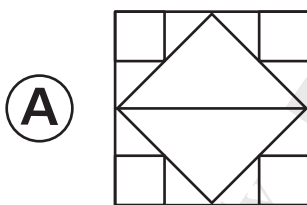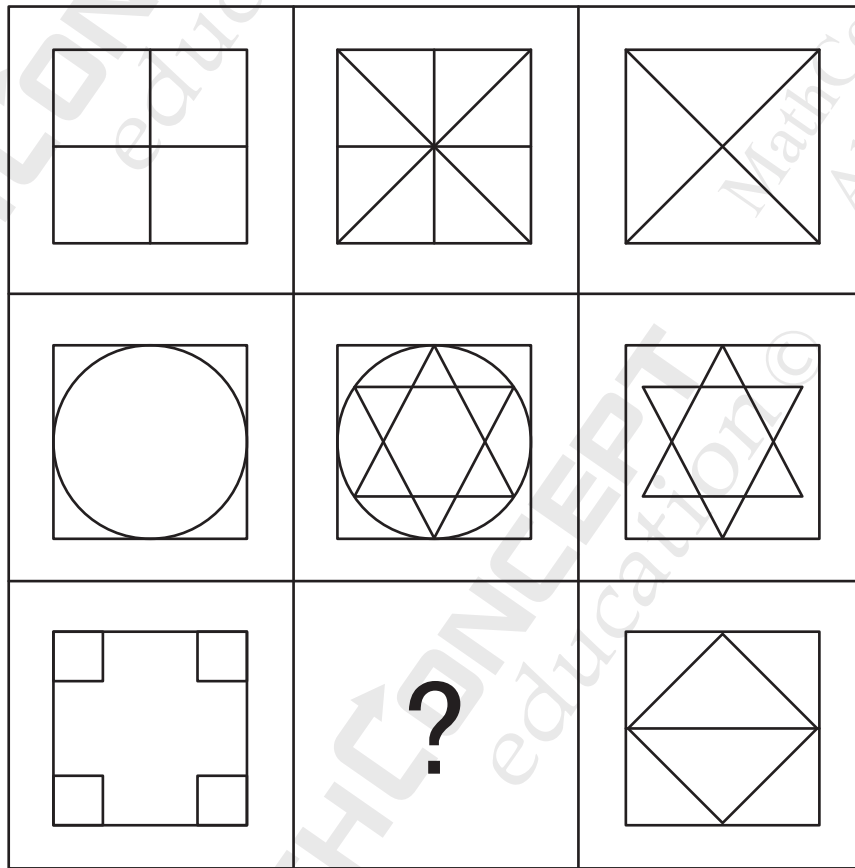
14) 以下哪一個鐘面顯示的時間是「10 時半」？ [5.1%]

Which of the following is showing the time "half past 10"?

Ⓐ

Ⓑ

Ⓒ

Ⓓ
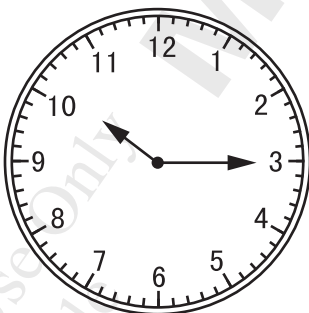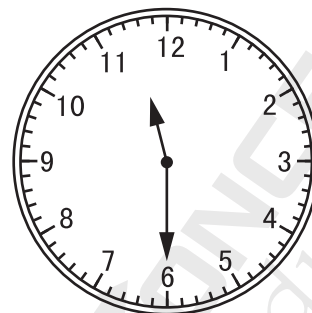
Ⓔ

Ⓕ
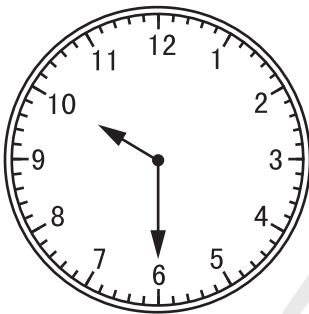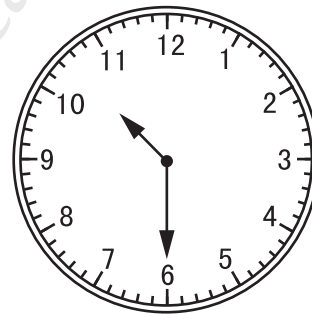
15) 哪一隻動物看到 ？

[5.2%]

Which animal sees the view ?

(A)

(B)

(C)

(D)
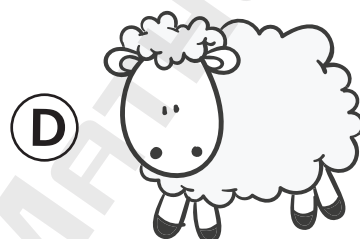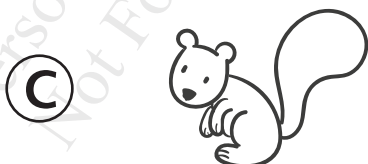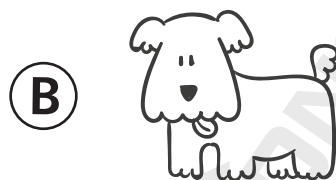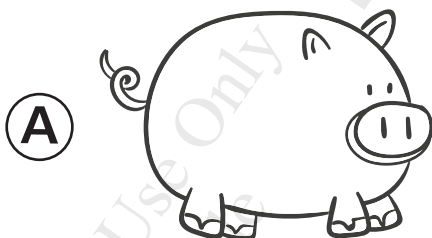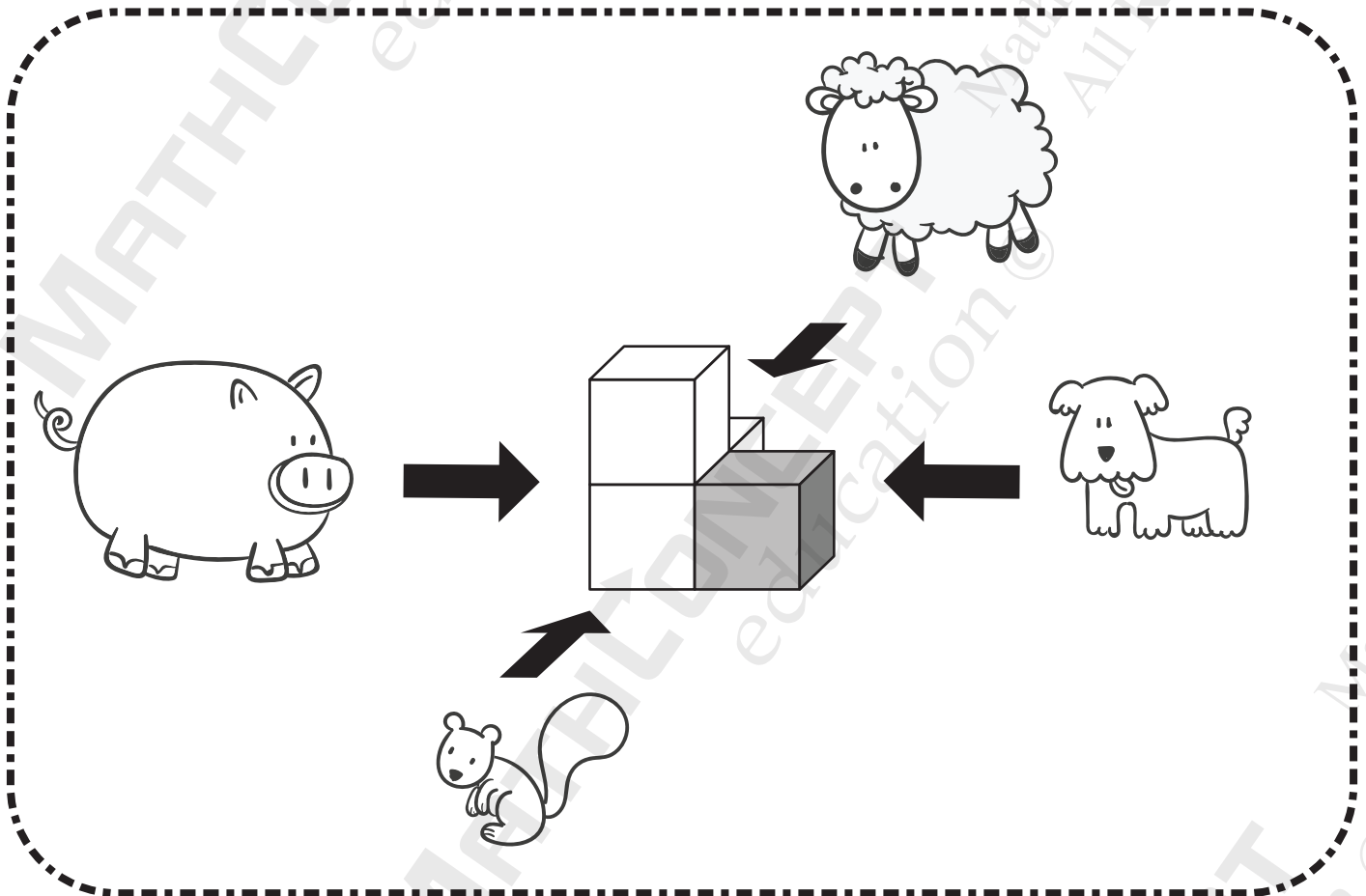
16)   小明在排隊買雪糕，共有 12 人排隊。已知有   [6.3%]
6 個人排在他後面，問有多少人在他前面？

Bobby is lining up to buy an ice cream.
There are 12 people in the queue, and 6
people behind Bobby. How many people
are in front of Bobby?

(A) 5   (B) 6   (C) 7

(D) 8   (E) 9

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17)   把一個薄餅切四刀，使每一片的形狀和大小   [6.4%]
都相同，最多可以切成多少片？

A pizza is cut four times such that the size
and shape of every slice is the same. At most
how many slices can be cut?

(A) 4   (B) 5   (C) 6

(D) 7   (E) 8

18) 小明把 1 至 40 各個數字寫在一張紙上。他 [6.5%]
共寫出了多少個「1」字？

Peter wrote the numbers from 1 to 40 on a piece of paper. How many "1"s did he write on the paper?

(A) 1   (B) 4   (C) 5

(D) 10   (E) 13   (F) 14

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19) 小明有 5 個蘋果，小強給了他 4 個蘋果後，[6.6%]
兩人的蘋果數量便會一樣。問小強原有多少個蘋果？

Peter has 5 apples. If Tom gives him 4 apples, they will have the same number of apples. How many apples does Tom have?

(A) 4   (B) 5   (C) 9

(D) 10   (E) 13   (F) 14

20) 小明和小強正在排隊。他們之間有 4 個人，小明前面排了 6 個人，小強後面排了 5 個人。問最少有多少人在排隊？ [6.7%]

Sam and Jason are lining up. There are 4 people between them. There are 6 people in front of Sam and 5 people behind Jason. At least how many people are there in the queue?

(A) 10   (B) 11   (C) 15

(D) 9   (E) 8   (F) 17

(G) 7   (H) 3   (I) 6

全卷完
End of paper

MathConceptition 2019

K3

1.	E	11.	B
2.	B	12.	B
3.	D	13.	A
4.	C	14.	D
5.	A	15.	B
6.	C	16.	A
7.	A	17.	E
8.	B	18.	F
9.	C	19.	E
10.	E	20.	G