



MathConcept

2024

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) $5 + 4$ 是多少？

[3.8%]

What is $5 + 4$?

A) 6

B) 7

C) 8

D) 9

E) 10

2) $5 - 2$ 是多少？

[3.9%]

What is $5 - 2$?

A) 2

B) 3

C) 4

D) 5

E) 6

3) 從 29 開始順數，下一個數字是甚麼？ [4%]

Count onwards from 29, what is the next number?

A) 28

B) 29

C) 30

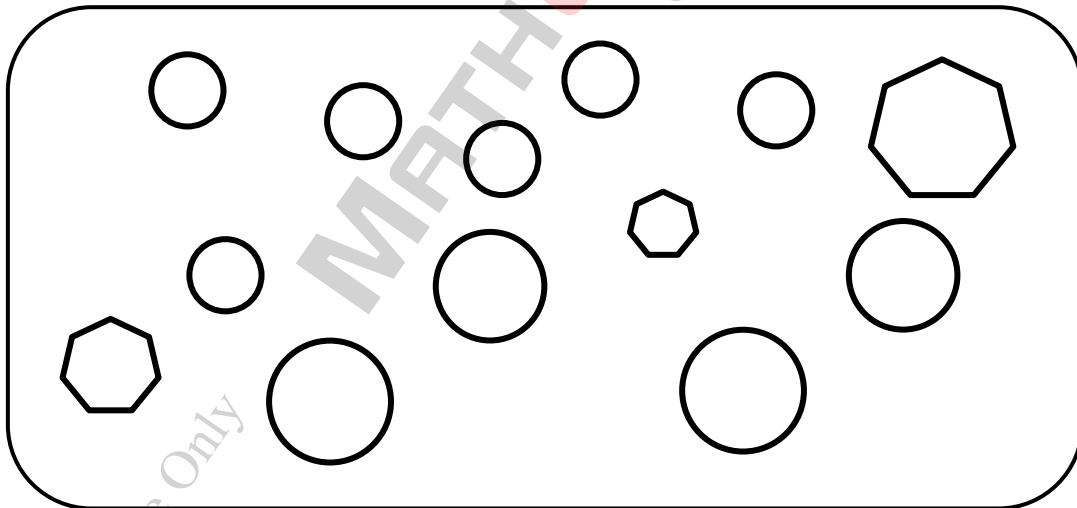
D) 31

E) 32

F) 33

4) 下圖中有多少個圓形？ [4.1%]

How many circles are there below?



A) 7

B) 8

C) 9

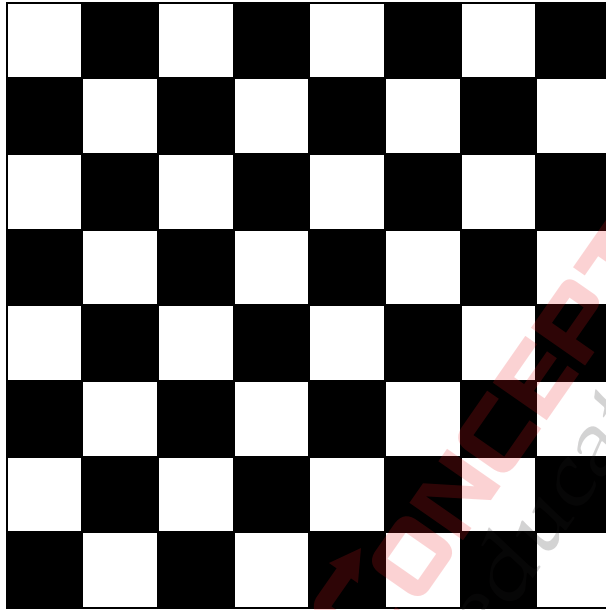
D) 10

E) 11

F) 12

5) 棋盤上有多少個黑色方格？ [4.2%]

How many black squares are there on the chessboard?



A) 4

B) 16

C) 32

D) 48

E) 64

F) 80

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6) 以下哪一個數字最大？ [4.3%]

Which of the following numbers is the largest?

A) 202524 B) 202514 C) 202425

D) 202404 E) 202414 F) 202504

7) 找出橫線上的數字。 [4.4%]

Find the missing number.

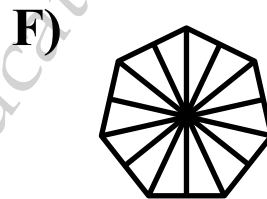
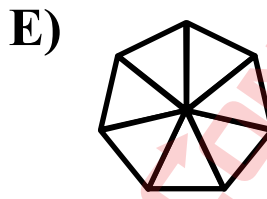
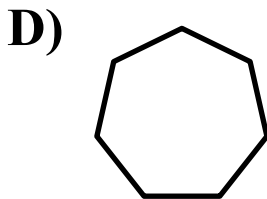
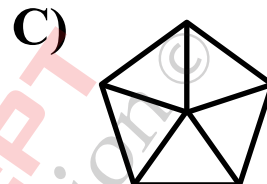
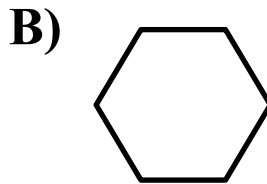
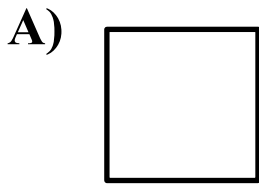
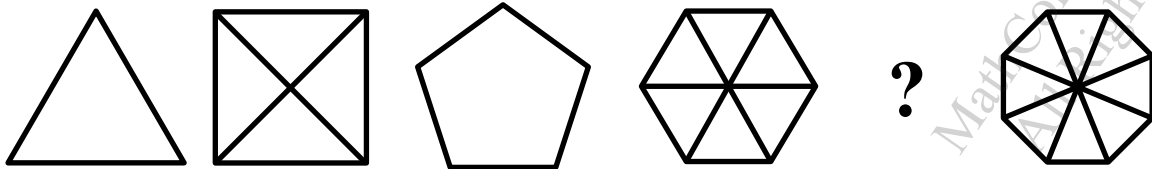
3, 7, 11, 15, 19, ?, 27, 31, ...

A) 21 B) 22 C) 23

D) 24 E) 25 F) 26

- 8) 找出缺掉的圖案。 [4.5%]

Find the missing shape.



- 9) 小明原有 9 粒朱古力。小耀分給小明 3 粒朱古力後，他們擁有的朱古力數目相同。小耀原有多少粒朱古力？ [4.6%]

Tim had 9 pieces of chocolate. After Thomas gives Tim 3 pieces, they have the same number of chocolates. How many pieces of chocolate did Thomas have originally?

A) 3

B) 6

C) 9

D) 12

E) 15

F) 18

10) 哪一個數比 21 少 9 ?

[4.7%]

Which number is smaller than 21 by 9?

A) 1


B) 9

C) 11

D) 12

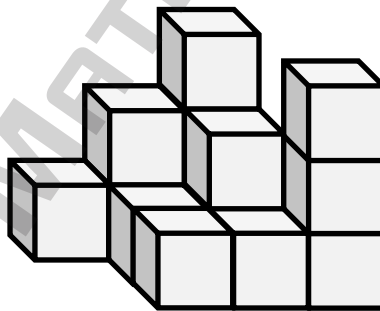
E) 19

F) 30

11) 要砌出以下立體最少需要  多少粒 ?

[4.8%]

At least how many  are needed to build the solid below?



A) 10

B) 12

C) 14

D) 16

E) 18

F) 20

12) 今天是星期一。5 天前是星期幾？ [4.9%]

Today is Monday. Which day of the week was it 5 days ago?

- A) 星期一 B) 星期二 C) 星期三
 Monday Tuesday Wednesday
- D) 星期四 E) 星期五 F) 星期六
 Thursday Friday Saturday

13) 依次序填寫「+」、「-」或數字，使算式成立。 [5%]

Fill in '+', '-' or a number in each box in a correct order to make the calculation valid.

$$21 \quad \boxed{?} \quad 8 \quad \boxed{?} \quad 6 \quad = \quad 7$$

- A) +, + B) +, - C) -, +
 D) -, - E) 2, - F) +, 0

- 14) 有 5 個小孩，每人都和其餘 4 人握手，每兩人只握手一次，共握手多少次？ [5.1%]

There are 5 children, and each child shakes hands with the other 4 children. Every two of them shake hands once only. How many handshakes are there in total?

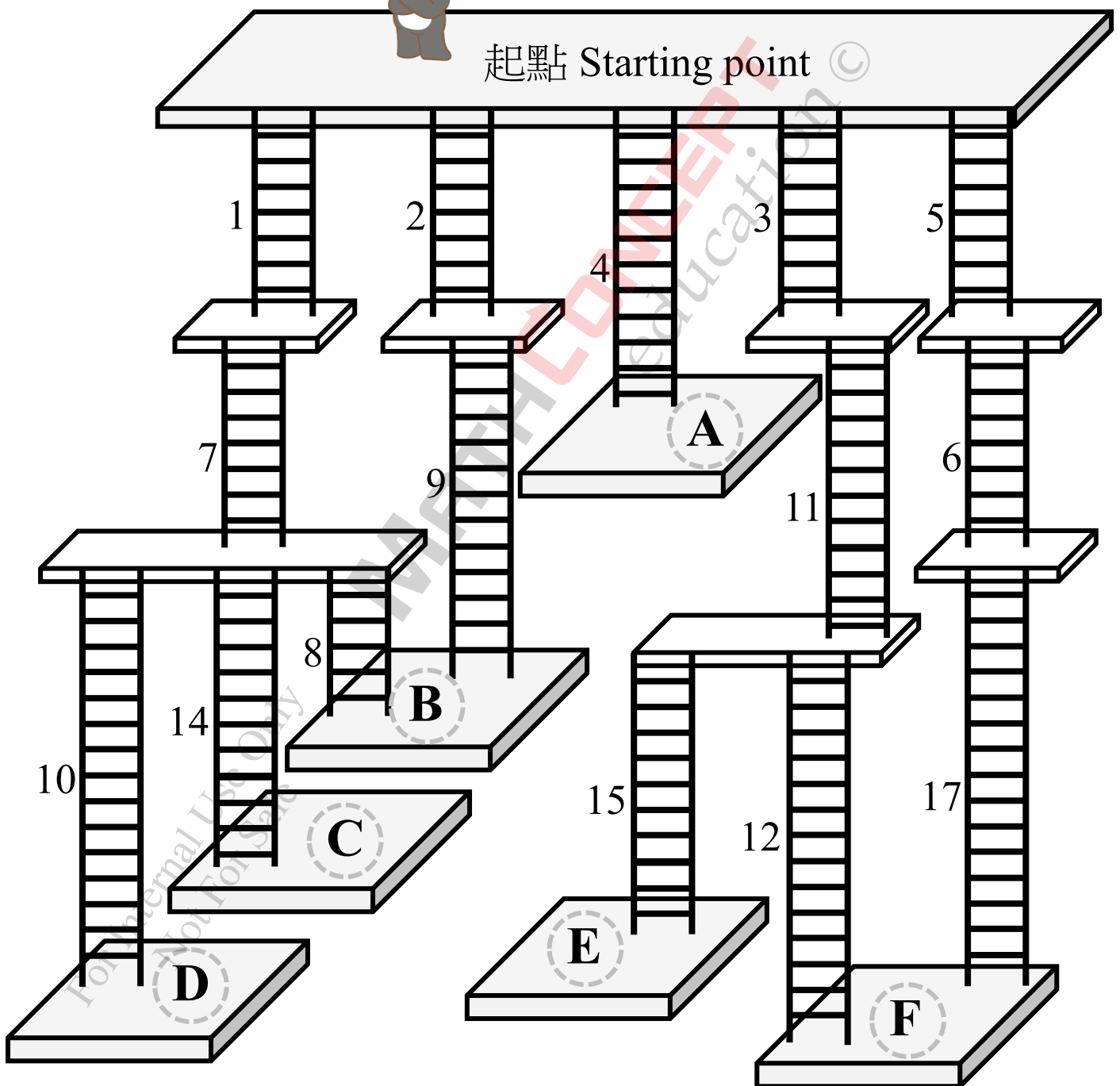
- A) 1 B) 5 C) 10
D) 15 E) 20 F) 25

- 15) 小高只選單數編號的梯子，最後會到達哪一個終點 (A、B、C、D、E、F) ? [5.2%]

Bingo only takes the ladders marked with odd numbers, which end point (A, B, C, D, E, F) will Bingo arrive at?



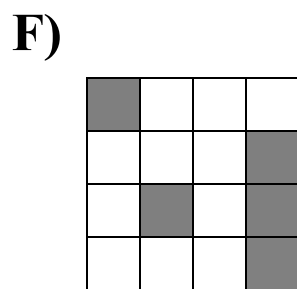
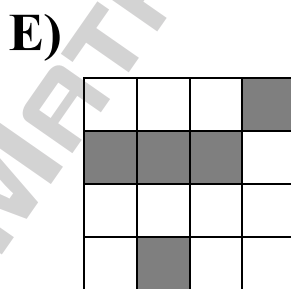
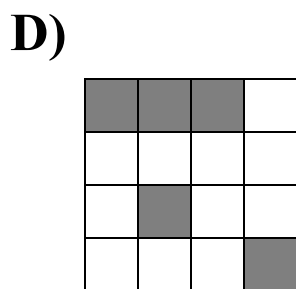
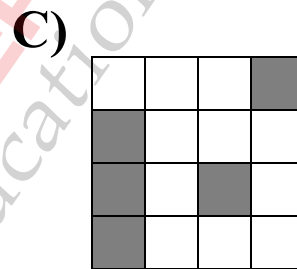
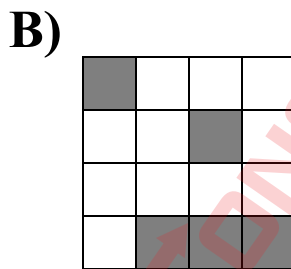
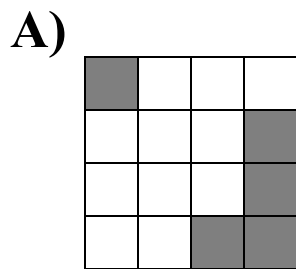
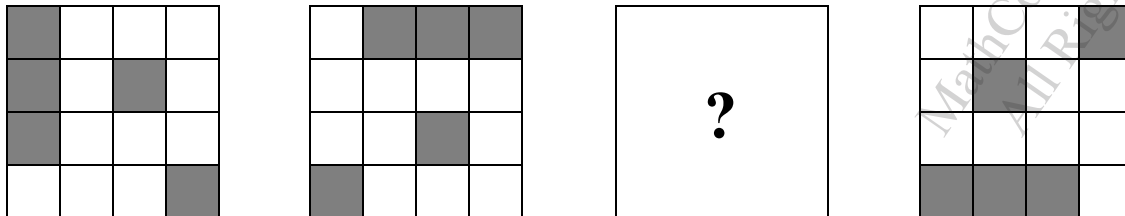
小高 Bingo



16) 找出缺掉的圖案。

[6.3%]

Find the missing figure.

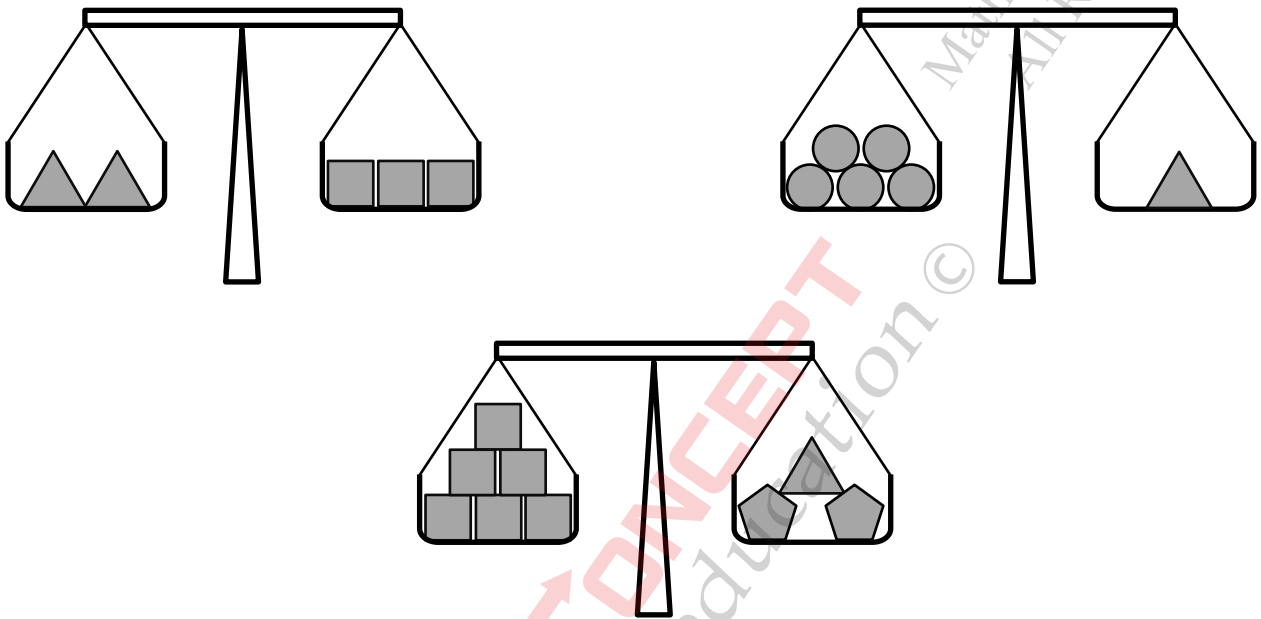


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17) 哪一個形狀最重？

[6.4%]

Which shape is the heaviest?



A) 

B) 

C) 

D) 

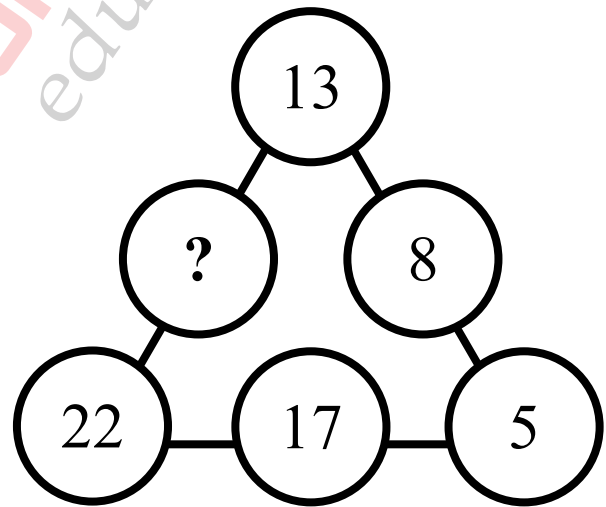
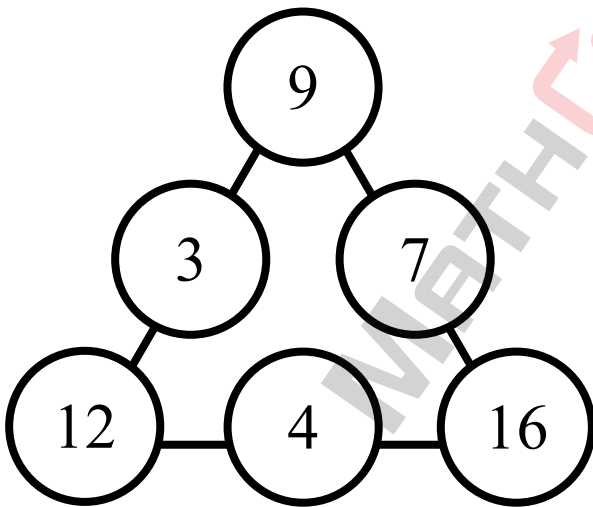
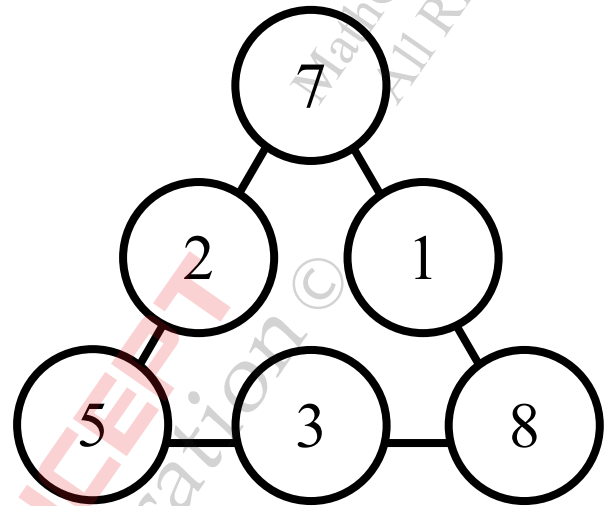
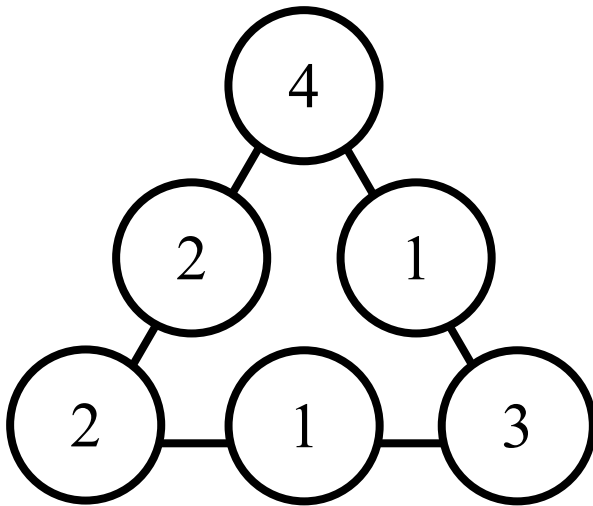
E) 無法比較
Cannot compare

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18) 解以下謎題。

[6.5%]

Solve the following puzzle.



A) 1

B) 8

C) 9

D) 13

E) 17

F) 18

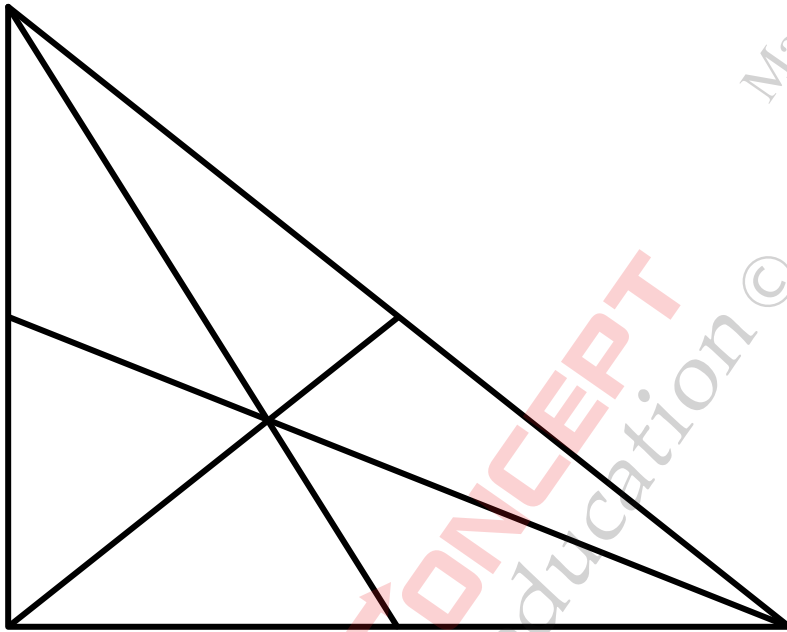
G) 25

H) 30

I) 35

19) 下圖共有多少個三角形？ [6.6%]

How many triangles are there in the figure below?



A) 6

B) 9

C) 12

D) 13

E) 14

F) 15

G) 16

H) 17

I) 18

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20) 找出橫線上的數字。

[6.7%]

Find the missing number.

$$3 \star 2 = 105$$

$$9 \star 5 = 414$$

$$3 \star 1 = 204$$

$$11 \star 5 = 616$$

$$13 \star 6 = \underline{\quad ? \quad}$$

A) 106

B) 303

C) 448

D) 613

E) 717

F) 719

G) 809

H) 818

I) 1010

全卷完
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1. D

2. B

3. C

4. D

5. C

6. A

7. C

8. D

9. E

10. D

11. C

12. C

13. D

14. C

15. E

16. F

17. D

18. C

19. G

20. F

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