

2024

**P1** 

BOOKIC 

Time: 50 Minutes Calculators are NOT permitted.

#### **Instructions:**

- 1. DO NOT OPEN THIS QUESTION BOOKLET UNTIL YOU ARE TOLD TO DO SO.
- 2. If the information printed on your answer sheet is not correct, please inform the invigilator immediately.
- 3. Please use a pencil and write your answers neatly ONLY on the answer sheet provided. DO NOT write or draw in the circle next to each answer box. No mark will be given if you failed to follow this instruction.
- 4. Unless otherwise specified, all answers must be in exact value and in its simplest form. Writing the units for the answers is NOT necessary.
- 5. Rough-work sheets provided will be collected at the end of the contest but they will not be marked.
- 6. Diagrams in this question booklet are not necessarily drawn to scale.

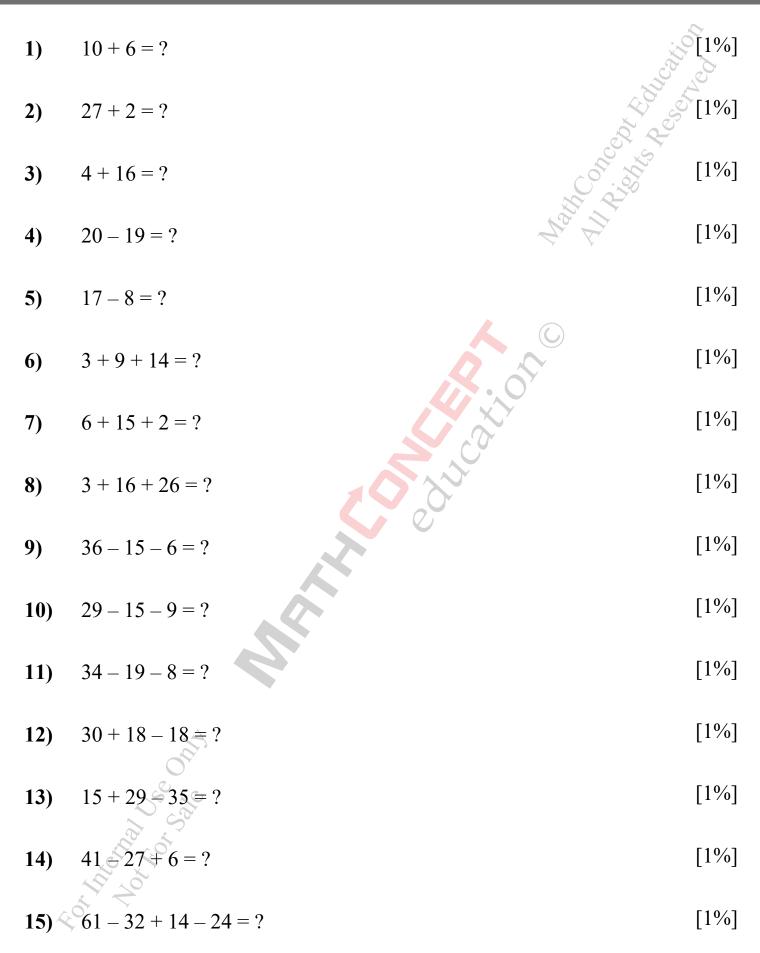
限時:50分鐘 不允許使用計算機。

比賽須知:

1. 未宣布開始前,切勿翻閱此問題簿。

2. 請核對答題紙上列出的資料是否與你相符。如有問題,請舉手。

- 所有答案必須寫在答題紙內,並須用鉛筆作答。請勿填寫或畫花題號 後方的圓圈,否則該題答案將會作廢。
- 除非題目特別表明,所有答案均不需填寫單位,但必須以準確數值及 最簡方式表示。
- 5. 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。
- 6. 此問題簿的附圖不一定依比例繪成。



Concept Restrict

[2%]

16) Count backwards from 29, what is the next number?

從 29 開始倒數,下一個數字是甚麼?



How many odd numbers are there below? 17)

下列數字中有多少個奇數?

80, 35, 15, 54, 89, 90, 36, 31, 5, 79



[2.1%]

[2.2%]

18) How many letters below are only formed by straight line(s)?以下共有多少個字母只由直線組成?

BCDEF

# J K L M N O P Q R S T U V W X Y Z

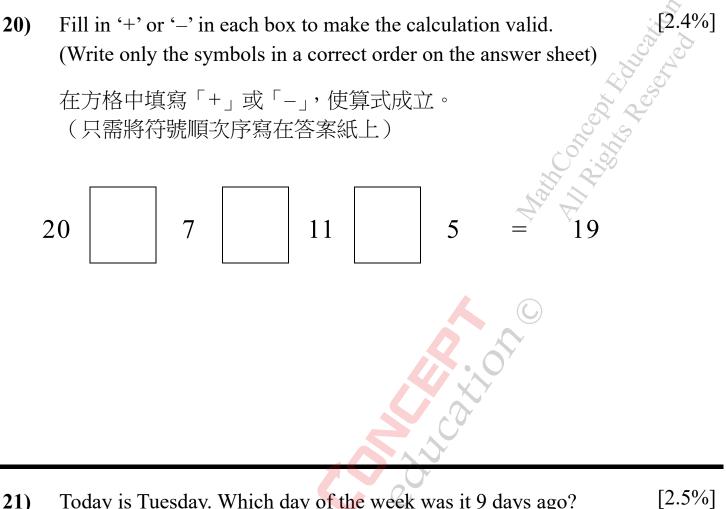
**19)** Find the missing number.

找出橫線上的數字。

42, <u>?</u>, 28, 21, 14, 7, ...



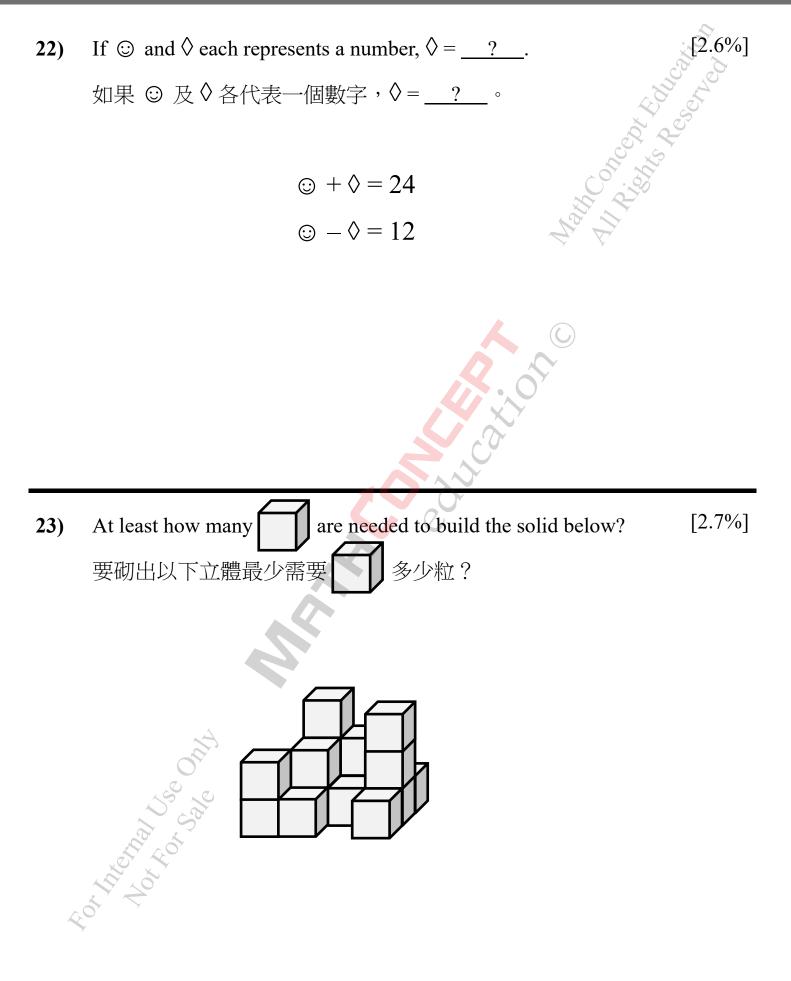
[2.3%]



Today is Tuesday. Which day of the week was it 9 days ago? 21)

今天是星期二。9天前是星期幾?

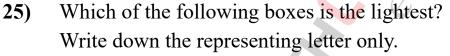
FOTHER AND TO COMM.



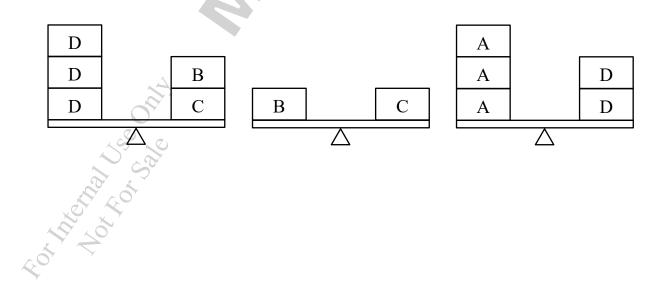
[2.8%]

24) Thomas had \$98 originally. After Thomas bought a \$30 breakfast, Mary gave Thomas \$20. However, Thomas lost some money and he has \$59 left now. How much did Thomas lose?

<u>小耀</u>原本有98元。<u>小耀</u>買了30元的早餐後,<u>小麗</u>給了<u>小耀</u>20元。然後,<u>小耀</u>遺失了一些錢,現在只剩下59元。<u>小耀</u>遺失了多少元?



以下哪個箱子最輕?只需寫下所代表的字母。

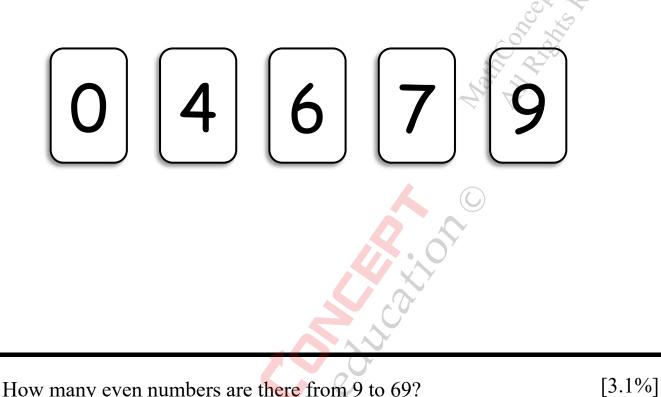


[2.9%]

[3%]

What is the smallest 3-digit odd number that can be formed with 26) the number cards below?

用以下數字卡可組成的最小三位奇數是多少?



How many even numbers are there from 9 to 69? 27)

由9至69,共有多少個偶數?

For Hard Act of the Court.

28) A teacher is assigning 25 students into groups. The first student goes [3.2%] to group A, the second goes to group B, the third goes to group C, the fourth goes to group A, the fifth goes to group B, the sixth goes to group C, and so on. How many students are there in group B?

老師正為25個學生分組。第一個學生分到A組,第二個分到 B組,第三個分到C組,第四個分到A組,第五個分到B 組,第六個分到C組,如此類推。B組中有多少個學生?

**29)** Find the missing number.

找出橫線上的數字。

$$43 - 7 = ? - 14$$

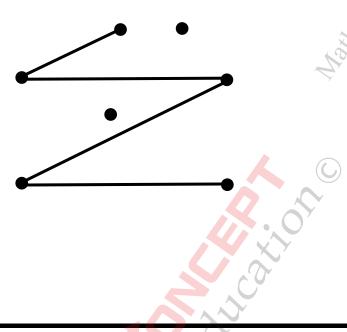
[3.3%]



[3.4%]

**30)** If any two dots can be linked up with 1 line segment only, then how many more line segments can be added to the figure below?

如果任何兩點只可以用1條線段連起來,那麼下圖中還可以多加多少條線段?

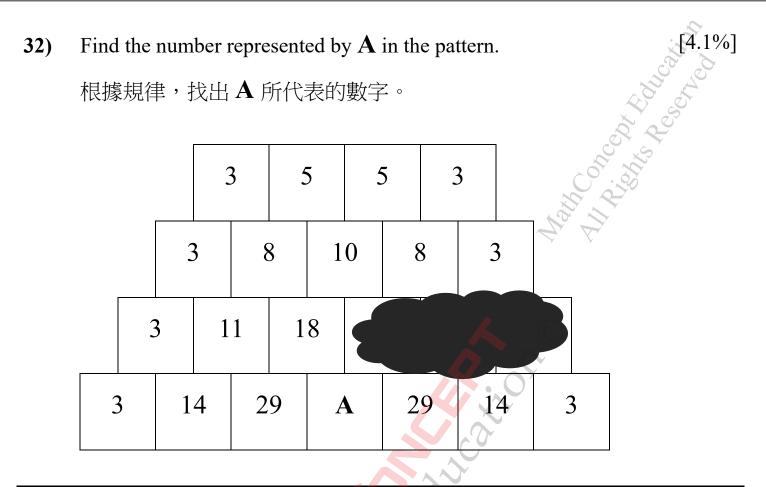


**31)** After cutting the cake below from the top to the bottom three times [4%] vertically, at most how many pieces can we have?

把下圖的蛋糕由上至下垂直切三次後,最多可被分成多少件?



Fot the Markov Cale



**33)** Some children form a queue. In the queue, Mary is in 11<sup>th</sup> place counting from the left and Thomas is in 7<sup>th</sup> place counting from the right. There are 4 children between Mary and Thomas. At least how many children are there in the queue?

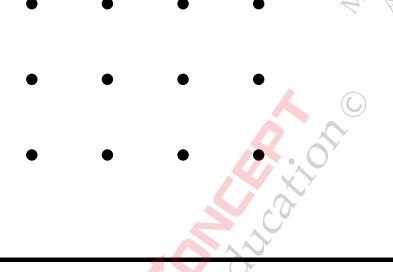
一些小孩在排隊。在該隊伍中,從左邊數起第11個是<u>小麗</u>, 且從右邊數起第7個是<u>小耀。小麗和小耀</u>之間有4個小孩。該 隊伍中最少有多少個小孩?

For the total total

[4.2%]

**34)** By choosing four points to be the vertices of a square, how many squares can be drawn from the points in the figure?

選取四點作為頂點連成一個正方形,圖中的點最多可以畫出多 少個正方形?



**35)** 19 years ago, Katy was 28 years old. Her brother is 5 years older [4.4%] than her. What is the sum of their ages now?

<u>嘉嘉</u>19年前是28歲。她的哥哥比她大5歲。現在,他們的歲 數之和是多少?



4.5%]

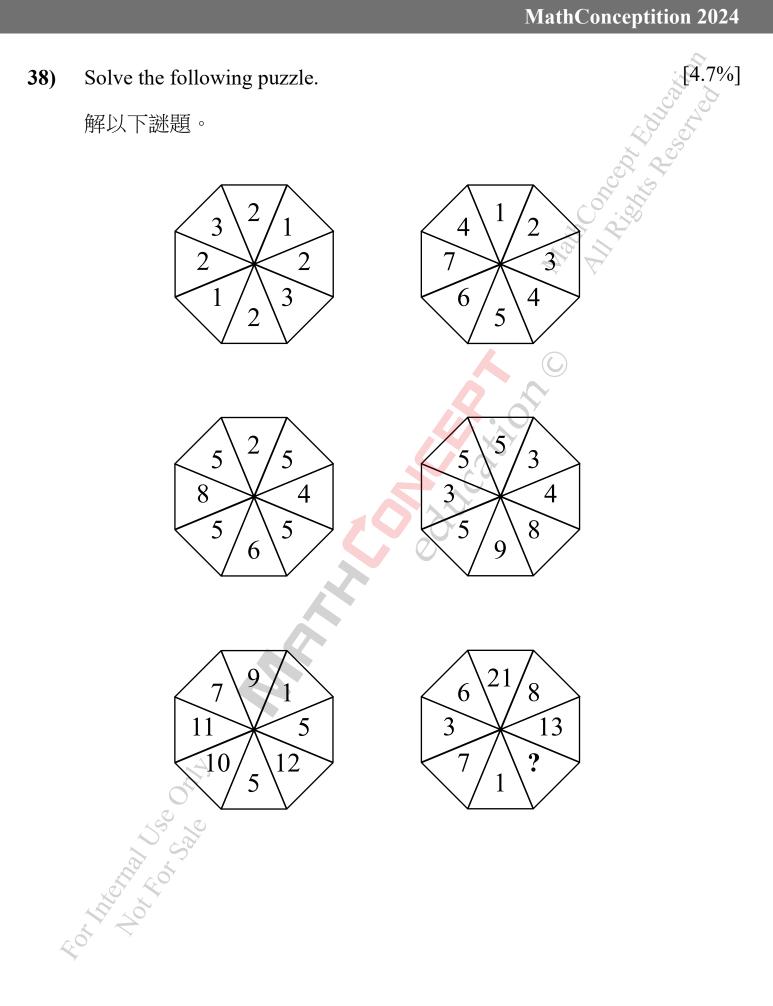
**36)** It is known that 1 catty equals to 16 taels. If each catty of pork costs 32 dollars, how much does 2 catties and 8 taels of pork cost in dollars?

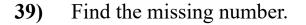
已知1斤等於16兩。若每斤豬肉售32元,那麼買2斤8兩的豬肉需付多少元?

**37)** What is the units digit of  $12 + 14 + 16 + 18 + \dots + 2022 + 2024$ ? [4.6%]

12+14+16+18+…+2022+2024的個位數是多少?







找出橫線上的數字。

$$4 \rightleftharpoons 2 = 9$$
  

$$3 \oiint 4 = 10$$
  

$$5 \oiint 1 = 8$$
  

$$8 \oiint 3 \oiint 1 = 28 \oiint 1 = 54$$
  

$$2 \oiint 6 \doteqdot 9 = \underline{?}$$

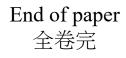
**40)** There are 2 staff in a fast food shop. It takes 1 minute for each customer to place an order with a staff. After receiving an order, a staff will prepare the meals one by one, and the staff cannot take orders from customers at the same time. The time required to prepare different meals are below:

在一間快餐店有2名員工。每名顧客向員工點餐需時1分鐘。 收到訂單後,員工會逐一製作餐點,但製作餐點的員工不能同 時接受顧客點餐。以下為製作不同餐點所需的時間:

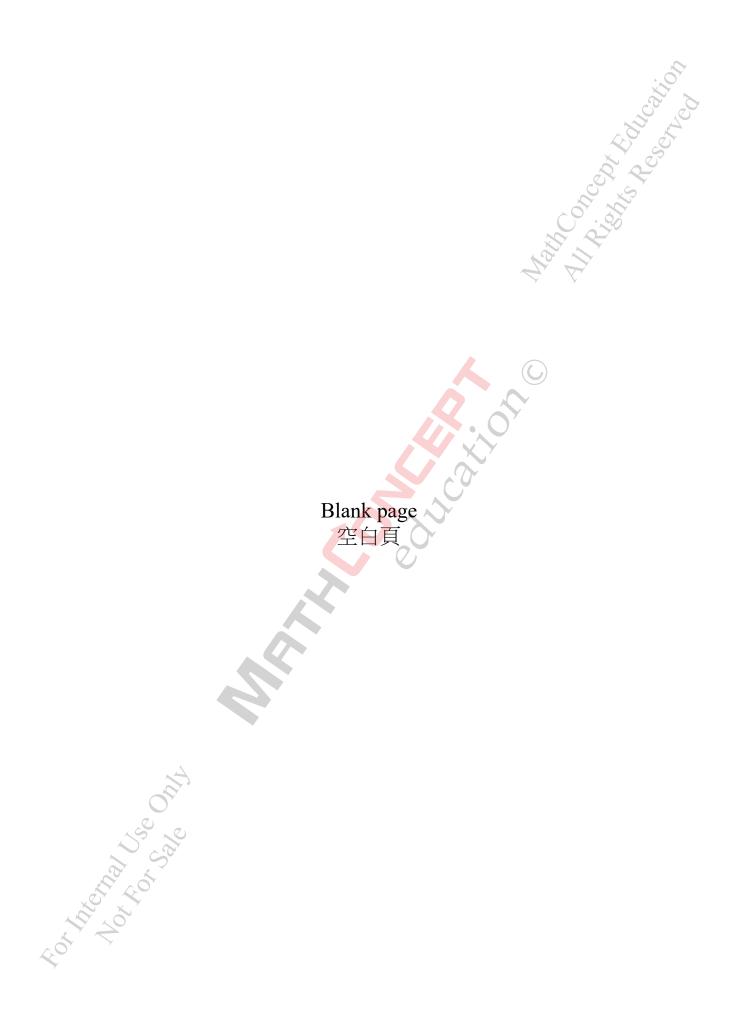
| Meal<br>餐點                             | А | В | С |
|--|---|---|---|
| Preparation time (minutes)<br>製作時間(分鐘) | 2 | 3 | 5 |

There are 6 customers placing orders, with 3 orders for meal A, 2 orders for meal B, and 1 order for meal C. At least how many minutes will it take to complete all the orders? (Including ordering and preparing time.)

現有6名顧客點餐,分別點了3份A餐,2份B餐和1份C餐, 最少需要多少分鐘才能完成所有訂單?(包括點餐及製作時間)



[4.9%]





REG NO
NAME
GRADE
SEAT



**ANSWER SHEET** 

|      |                      |                               |       |        |     |   | 0      | IDCHECK       |        |              |   |
|------|----------------------|-------------------------------|-------|--------|-----|---|--------|---------------|--------|--------------|---|
|      | ANSWER               |                               |       | ANSWER |     |   | ANSWER |               | ANSWER |              |   |
| 0000 | 1                    | 16                            | 0     | 11     | 7   | 0 | 21     | 星期日<br>Sunday | O/     | 31 7         | 0 |
| 0000 | 2                    | 29                            | 0     | 12     | 30  | 0 | 22     | 6             | 0      | 32 36        | 0 |
| 0000 | 3                    | 20                            | 0     | 13     | 9   | 0 | 23     | 16            | 0,,0   | зз 12        | 0 |
| 0000 | 4                    | 1                             | 0     | 14     | 20  | 0 | 24     | 29            | 0      | 34 10        | 0 |
| 0000 | 5                    | 9                             | 0     | 15     | 19  | 0 | 25     | A             | 0      | 35 99        | 0 |
| 0000 | 6                    | 26                            | 0     | 16     | 28  | 0 | 26     | 407           | 0      | 36 <u>80</u> | 0 |
| 0000 | 7                    | 23                            | 0     | 17     | 6   | 0 | 27     | 30            | 0      | 37 6         | 0 |
| 0000 | 8                    | 45                            | 11 Op | 18     | 15  | 0 | 28     | 8             | 0      | зв 17        | 0 |
| 0000 | 9                    | 1245-04<br>1245-04<br>1245-04 | 0     | 19     | 35  | 0 | 29     | 50            | 0      | 39 <u>60</u> | 0 |
|      | 4 <sup>0</sup><br>10 | 5                             | 0     | 20     | _+_ | 0 | 30     | 17            | 0      | 40 12        | 0 |
|      |                      | eke<br>Sær<br>ess             |       |        |     |   |        |               |        | ABCDEF       |   |