



MathConceptition

2021

P1

Question Booklet

問題簿

Name:

姓名：

Reg. No.:

登記編號：

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Time: 50 Minutes

Calculators are NOT permitted.

Instructions:

1. DO NOT OPEN THIS QUESTION BOOKLET UNTIL YOU ARE TOLD TO DO SO.
2. Write your name and registration number on the cover of this question booklet.
3. If the information printed on your answer sheet is not correct, please inform the invigilator immediately.
4. 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.
5. Unless otherwise specified, all answers must be in exact value and in its simplest form. Writing the units for the answers is NOT necessary.
6. Rough-work sheets provided will be collected at the end of the contest but they will not be marked.
7. 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：

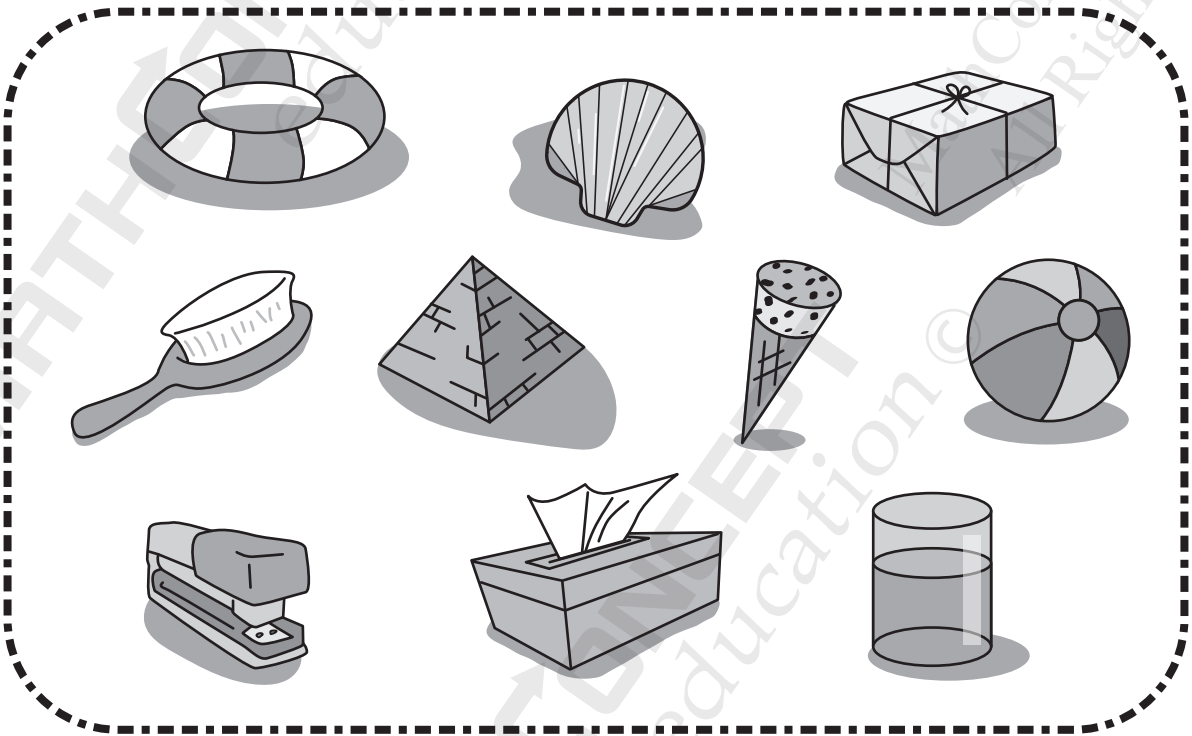
1. 未宣布開始前，切勿翻閱此問題簿。
2. 請在此問題簿封面的適當位置寫上你的姓名及登記編號。
3. 請核對答題紙上列出的資料是否與你相符。如有問題，請舉手。
4. 所有答案必須寫在答題紙內，並須用鉛筆作答。請勿填寫或畫花題號後方的圓圈，否則該題答案將會作廢。
5. 除非題目特別表明，所有答案均不需填寫單位，但必須以準確數值及最簡方式表示。
6. 比賽完結時監考員會收回桌上的草稿紙，但草稿紙上所書寫的任何文字或圖表將不獲評閱。
7. 此問題簿的附圖不一定依比例繪成。

- 1) $6 + 13 = ?$ [1%]
- 2) $17 - 5 = ?$ [1%]
- 3) $24 + 25 = ?$ [1%]
- 4) $35 - 22 = ?$ [1%]
- 5) $14 + 26 = ?$ [1%]
- 6) $4 + 7 + 6 = ?$ [1%]
- 7) $18 - 5 - 4 = ?$ [1%]
- 8) $11 + 13 + 15 = ?$ [1%]
- 9) $44 - 11 - 20 = ?$ [1%]
- 10) $23 + 30 + 15 = ?$ [1%]
- 11) $17 + 18 - 12 = ?$ [1%]
- 12) $38 - 6 + 26 = ?$ [1%]
- 13) $24 + 28 - 12 = ?$ [1%]
- 14) $37 - 14 + 33 = ?$ [1%]
- 15) $86 - 64 + 44 - 22 = ?$ [1%]

16) How many 3-D object(s) below can roll?

[2%]

以下有多少個立體可以滾動？



17) Find the missing number in the pattern.

[2.1%]

根據規律，找出橫線上的數字。

5 , 11 , 17 , ? , 29 , 35 , ...

- 18) Peter counts forward from 42 to 86. How many odd numbers will he count? [2.2%]

小明由 42 開始順數到 86，共數出多少個單數？

- 19) Find the missing number. [2.3%]

找出橫線上的數字。

$$\underline{\quad ? \quad} + 27 = 19 + 34$$

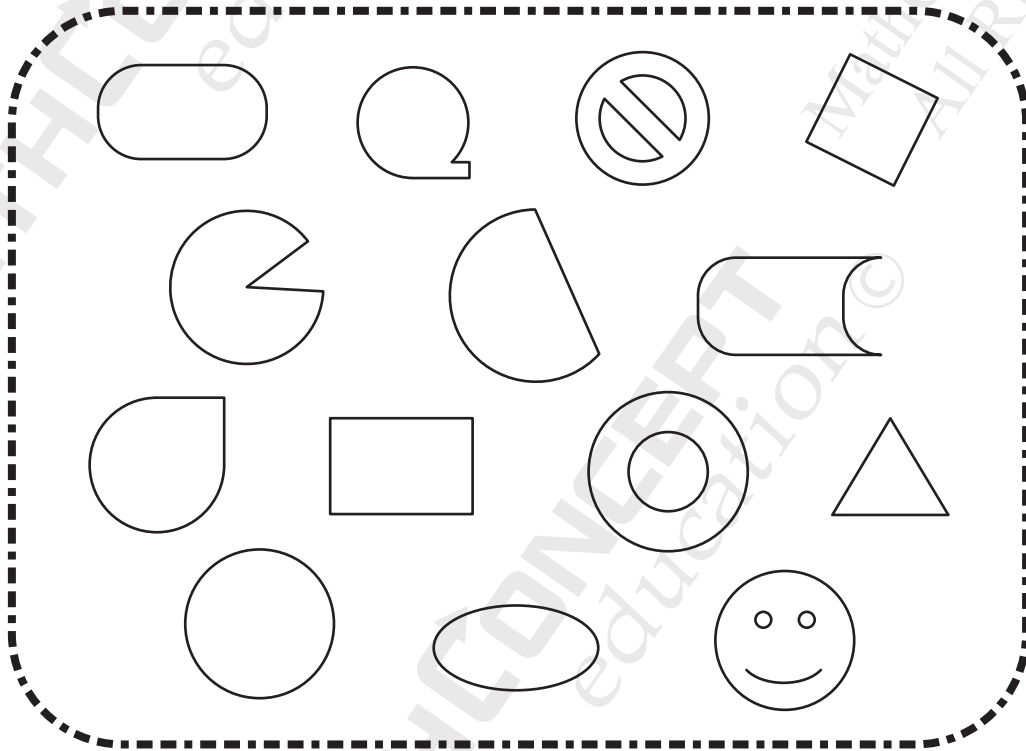
- 20) Find the missing number. [2.4%]

找出橫線上的數字。

$$17 - 8 = \underline{\quad ? \quad} - 6$$

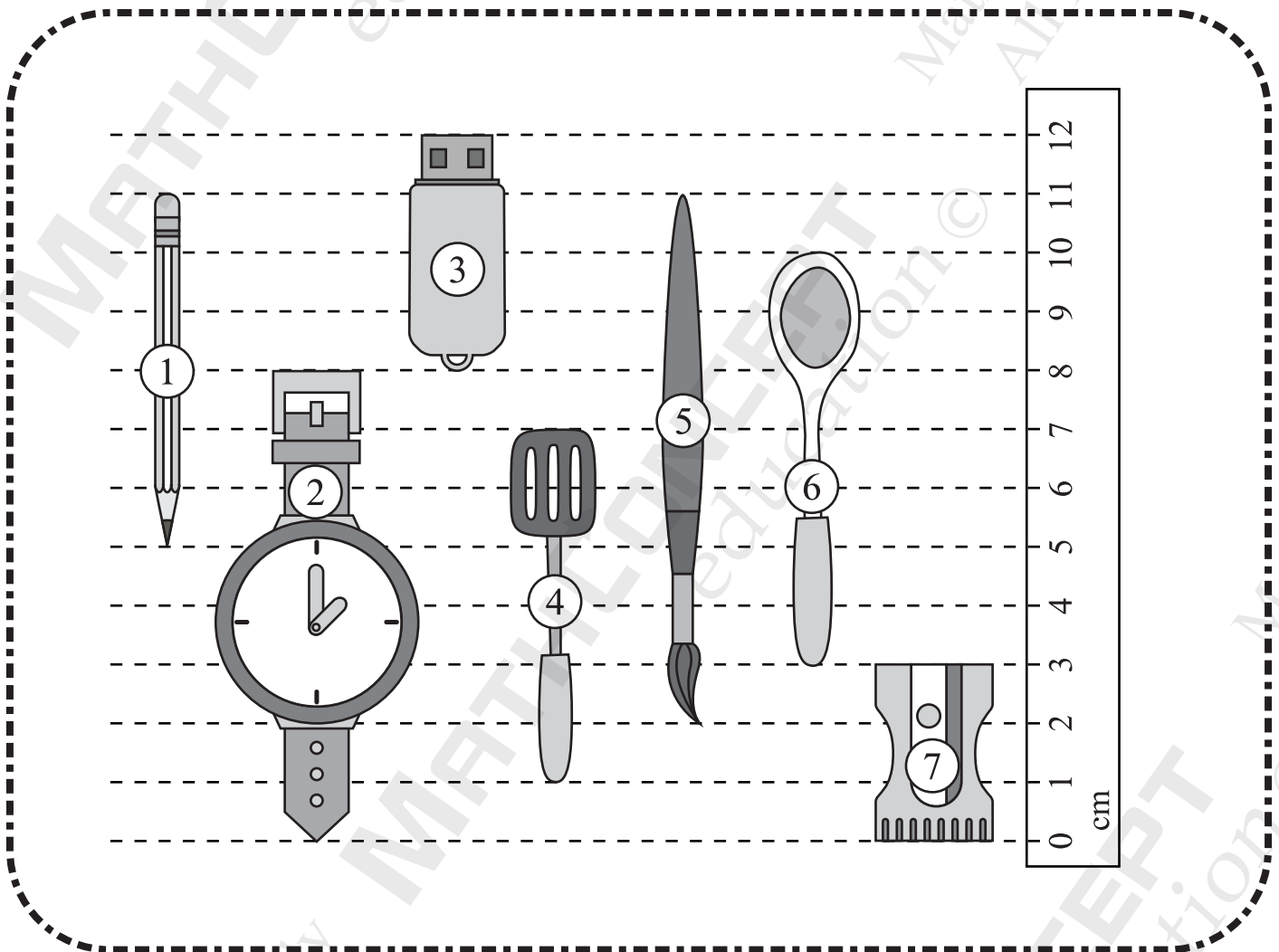
- 21) How many circles are there in the figure below? [2.5%]

下圖共有多少個圓形？



- 22) Which of the following objects is the longest? (Write the number of the object) [2.6%]

以下哪件物件的長度最長？（ 只需填寫該物件的號碼 ）



- 23) A cookies shop had 58 cookies. After selling out 34 cookies [2.7%]
in the morning, the baker made 27 more cookies. How
many cookies are there in the shop now?

某餅店原有 58 塊曲奇餅，上午售出 34 塊後，做餅師
又做了 27 塊。問餅店現有曲奇餅多少塊？

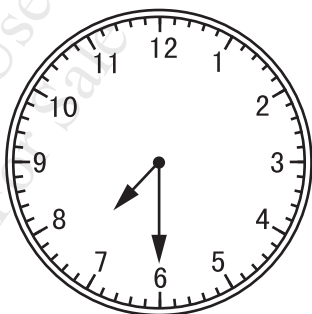
- 24) Arrange all the 2-digit numbers formed by the following [2.8%]
digits from the smallest to the largest. What is the
7th number?

把所有由以下數字組成的兩位數由小至大排列，第 7 個
數是什麼？

3, 7, 6, 0

- 25) How many hours have passed? [2.9%]
過了多少小時？

Start time
開始時間



End time
結束時間



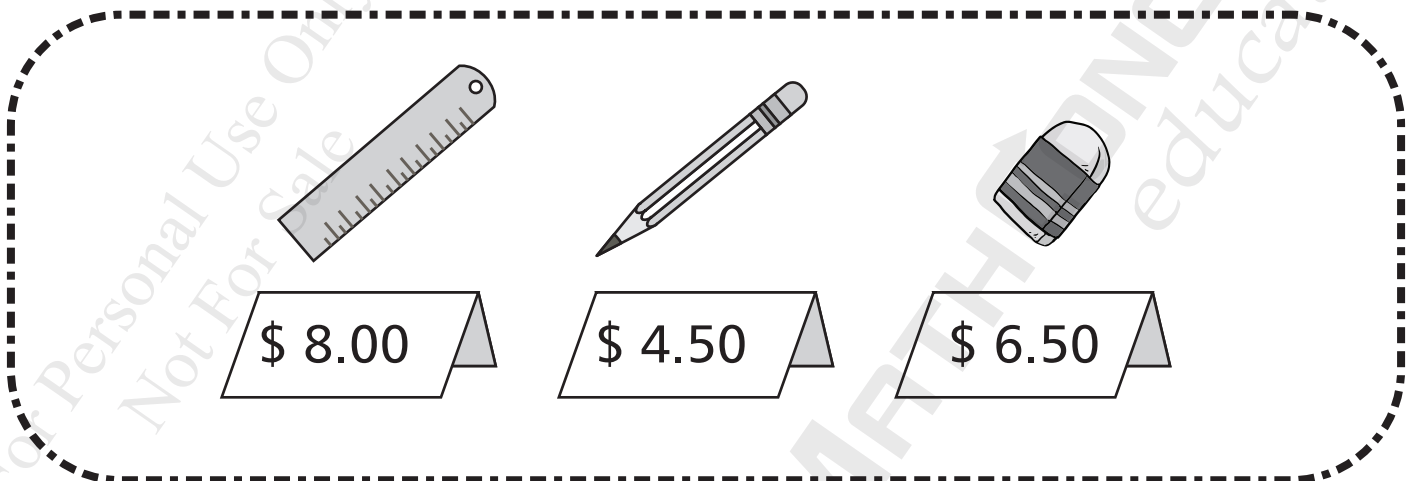
- 26) Which number is on the left of “0” and below “9”? [3%]

以下哪一個數在「0」的左方，同時在「9」的下方？

9	7	3	2
2	1	5	8
4	6	0	7
1	3	8	9



- 27) Eric wants to buy two pencils and one ruler, how much does he need to pay? [3.1%]



小力想買 2 支鉛筆和 1 把間尺，共需付多少元？

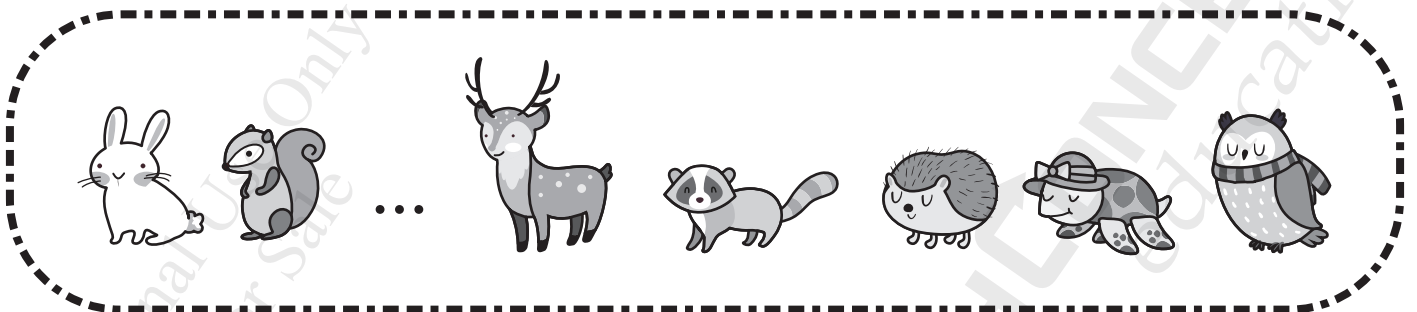


- 28) How many different ways are there to divide 15 apples into two groups with no more than 12 apples in each group? [3.2%]

把 15 個蘋果分成兩份，每份不得超過 12 個，有多少種分法？

- 29) There are 22 animals lining up below. If  is in the 1st place, then  is in the ? place. [3.3%]

下圖有 22 隻小動物在排隊。如果  排第 1，那麼  排第 ? 。



- 30) If 4th April is Wednesday, which day of the week will 20th April be? [3.4%]

如果 4 月 4 日是星期三，那麼 4 月 20 日是星期幾？

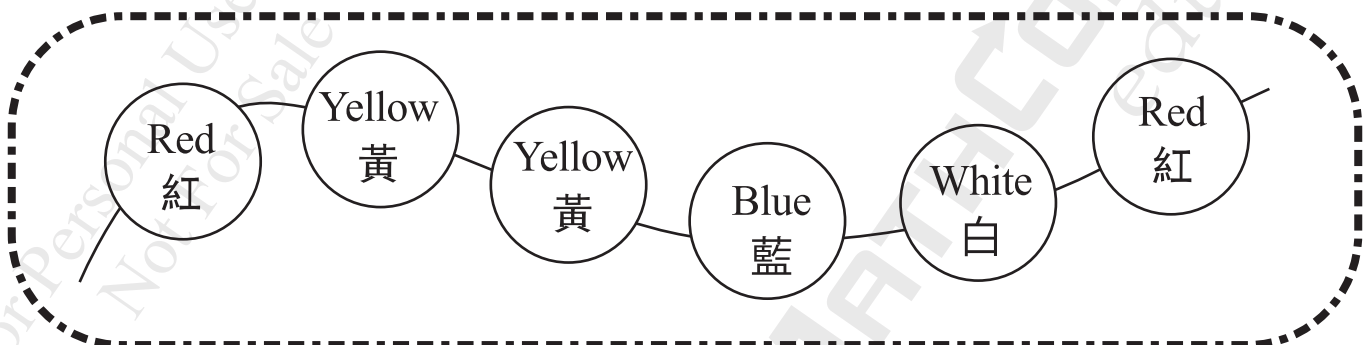
- 31) Find the missing number in the pattern. [4%]

根據規律，找出橫線上的數字。

11 , 8 , ? , 10 , 17 , 12 , 20 , 14 , ...

- 32) Mandy made a bead necklace with some beads of four different colours. She put the beads in the order of 1 red, 2 yellow, 1 blue and 1 white. What is the colour of the 44th bead? [4.1%]

小美用四種顏色的珠子來製作頸飾，她以 1 粒紅、2 粒黃、1 粒藍和 1 粒白的次序把珠子串起來。問第 44 粒珠子是什麼顏色？



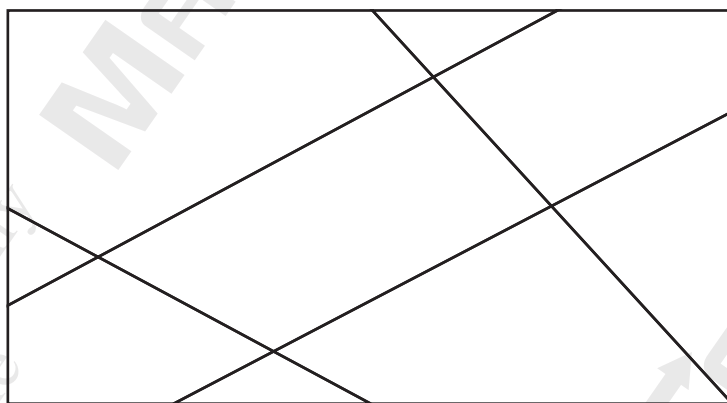
- 33) If each letter below represents a different digit, then [4.2%]
which 3-digit number does “ABC” represent?

在下式中，各英文字母表示一個不同的數字。問
「ABC」代表哪一個三位數？

$$\begin{array}{r}
 A B \\
 - C \\
 \hline
 A
 \end{array}$$

- 34) How many triangles are there in the figure below? [4.3%]

下圖共有多少個三角形？



- 35) Choose any 6 different digits to form two 3-digit odd numbers. What is the smallest difference between the two numbers? [4.4%]

由 0 至 9 選出六個不同的數字，組成兩個三位單數，它們的差最小是多少？

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- 36) There were 23 people on a bus. In each of the following bus stop, 3 people got off the bus and 2 people got on the bus. After stopping by 11 bus stops, how many people are there on the bus? [4.5%]

巴士上原有 23 人，途經的每個巴士站也有 3 人下車及 2 人上車。過了 11 個巴士站後，巴士上有多少人？

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- 37) There are 12 people sitting around a round table. When Bobby counts towards his left starting from himself, Jenny is in the 6th place. When Bobby counts towards his right starting from himself, what place is Jenny in? [4.6%]

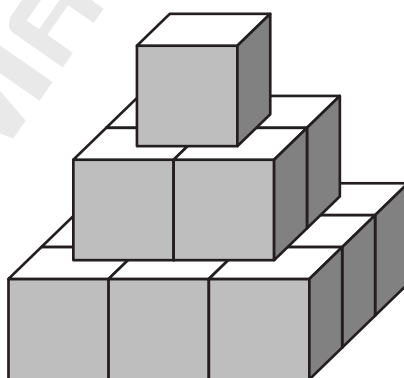
有 12 人圍著一張圓桌而坐。小明由自己開始數，向左數第 6 個是小儀。那麼如果小明由自己開始數，向右數第幾個會是小儀？

- 38) 2 apples and 4 oranges cost 31 dollars. 5 apples and 3 oranges cost 39 dollars. How much do 1 apple and 1 orange cost? [4.7%]

2 個蘋果和 4 個橙共售 31 元。5 個蘋果和 3 個橙共售 39 元。問 1 個蘋果和 1 個橙共售多少元？

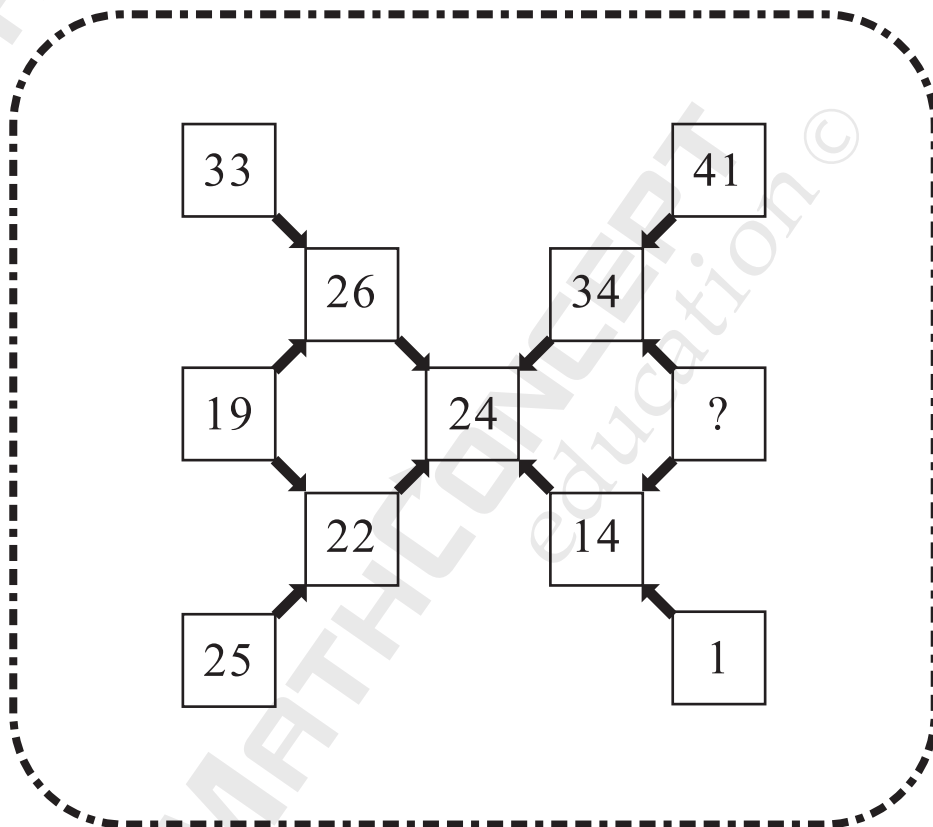
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- 39) The 3-layer pyramid below is formed of 14 cubes. How many cubes are needed to form an 8-layer pyramid? [4.8%]

下圖的 3 層金字塔是由 14 粒積木組成，那麼砌一個 8 層高的金字塔需要積木多少粒？



40) Find the missing number in the question mark box. [4.9%]

根據規律，找出問號方格內的數字。



End of paper
全卷完



REG NO			P1
NAME			
GROUP			
SEAT			

ANSWER SHEET

ANSWER		ANSWER		ANSWER		ANSWER	
1 19	<input type="radio"/>	11 23	<input type="radio"/>	21 7	<input type="radio"/>	31 14	<input type="radio"/>
2 12	<input type="radio"/>	12 58	<input type="radio"/>	22 5	<input type="radio"/>	32 Blue 藍	<input type="radio"/>
3 49	<input type="radio"/>	13 40	<input type="radio"/>	23 51	<input type="radio"/>	33 109	<input type="radio"/>
4 13	<input type="radio"/>	14 56	<input type="radio"/>	24 70	<input type="radio"/>	34 9	<input type="radio"/>
5 40	<input type="radio"/>	15 44	<input type="radio"/>	25 7	<input type="radio"/>	35 4	<input type="radio"/>
6 17	<input type="radio"/>	16 4	<input type="radio"/>	26 4	<input type="radio"/>	36 12	<input type="radio"/>
7 9	<input type="radio"/>	17 23	<input type="radio"/>	27 (\$17)	<input type="radio"/>	37 8(th)	<input type="radio"/>
8 39	<input type="radio"/>	18 22	<input type="radio"/>	28 5	<input type="radio"/>	38 (\$10)	<input type="radio"/>
9 13	<input type="radio"/>	19 26	<input type="radio"/>	29 20(th)	<input type="radio"/>	39 204	<input type="radio"/>
10 68	<input type="radio"/>	20 15	<input type="radio"/>	30 Friday (星期)五	<input type="radio"/>	40 27	<input type="radio"/>