MathConception
2018

G1

Question Booklet

問題簿

Name:
姓名：

Reg. No.:
考生編號：

Time: 1 hour
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. **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. **If the information printed on your answer sheet is not correct, please inform the invigilator immediately.**
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：1小時
不允許使用計算機。

考生須知：

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. 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。

4. 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。

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。
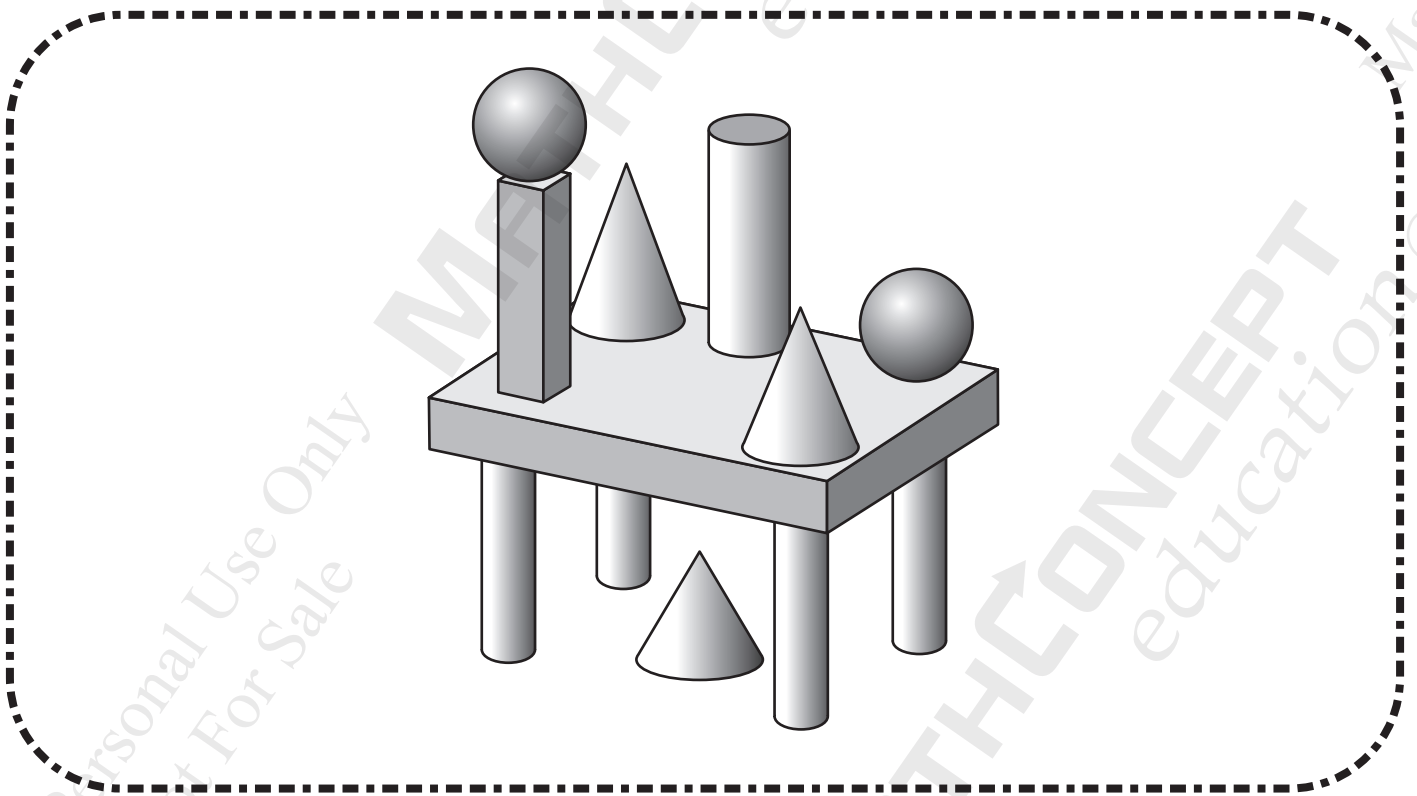
6. 此問題簿的附圖不一定依比例繪成。

1) $13 + 6 = ?$ [1%]

2) $15 + 14 = ?$ [1%]

3) $27 - 16 = ?$ [1%]

4) $11 - 8 = ?$ [1%]

5) $12 + 9 = ?$ [1%]

6) $4 + 7 + 5 = ?$ [1%]

7) $20 - 5 - 4 = ?$ [1%]

8) $21 + 22 + 23 = ?$ [1%]

9) $19 - 6 - 7 = ?$ [1%]

10) $40 + 28 + 12 = ?$ [1%]

11) $26 + 17 - 16 = ?$ [1%]

12) $38 - 15 + 14 = ?$ [1%]

13) $17 + 29 - 42 = ?$ [1%]

14) $50 - 6 + 44 = ?$ [1%]

15) $44 + 33 - 22 + 11 = ?$ [1%]

16) Each shuttle bus can carry 50 passengers. How [2.0%] many passengers can 4 shuttle buses carry?
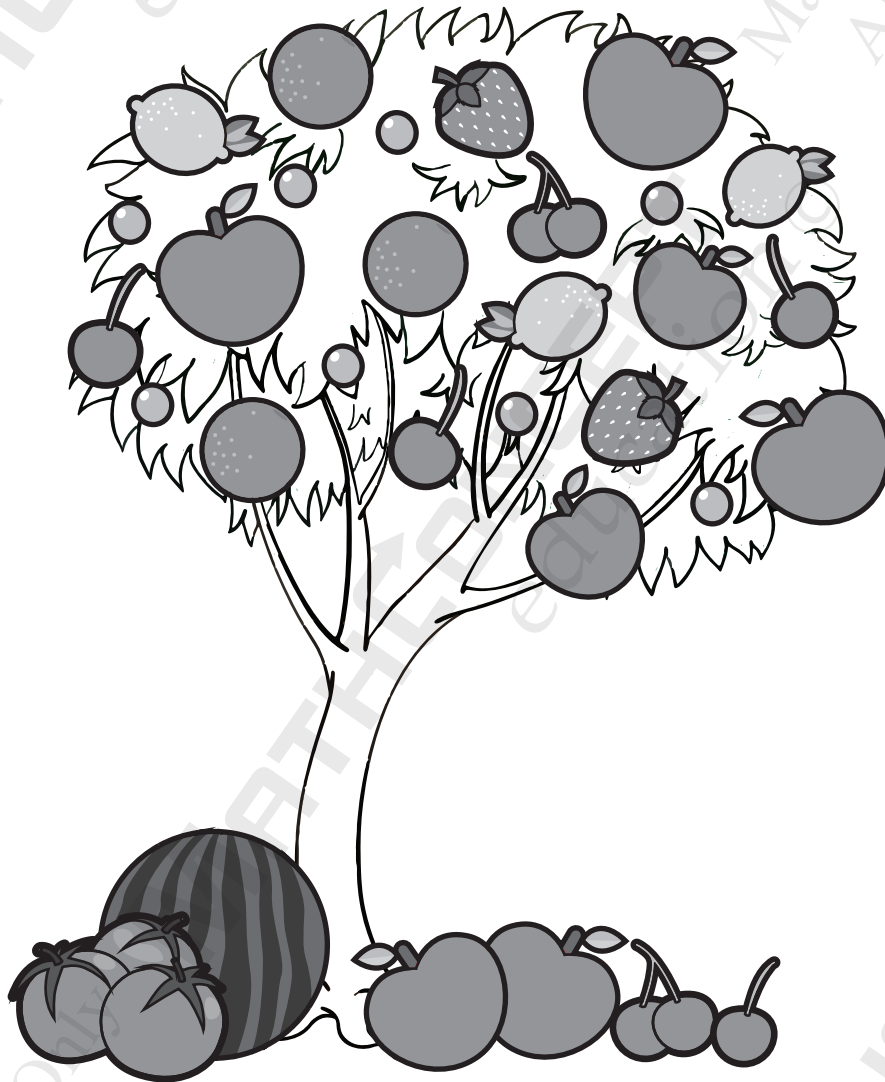
每輛穿梭巴士可以載 50 人，問 4 輛穿梭巴士可以載多少人？

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17) How many prisms and cylinders are there in [2.1%] the figure below?

下圖共有多少個柱體？

18) How many triangles are there in the figure [2.2%] below?

下圖共有多少個三角形？

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19) How many hours have passed? [2.3%]

過了多少小時？

Start time
開始時間

End time
結束時間

20) How many apples are there on the tree? [2.4%]

找出樹上蘋果的數目。

21) Find the missing number. [2.5%]

找出橫線上的數字。

$$20 + \underline{\ ?\ } = 12 + 21$$

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22) Find the missing number. [2.6%]

找出橫線上的數字。

$$17 - 9 = \underline{\ ?\ } - 8$$

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23) Connie is 110 cm tall. She is 13 cm shorter [2.7%] than Lily. How tall is Lily in cm?

小恩高 110 厘米，比小美矮 13 厘米。問小美高多少厘米？

24) Johnny had 72 candies. He ate 28 of them last   [2.8%]
week and 16 of them this week. How many
candies did he eat in these two weeks?

大輝原有 72 粒糖果，上星期吃了 28 粒，本星
期吃了 16 粒。問他這兩星期共吃了糖果多少粒？

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25) Which of the following five numbers is the   [2.9%]
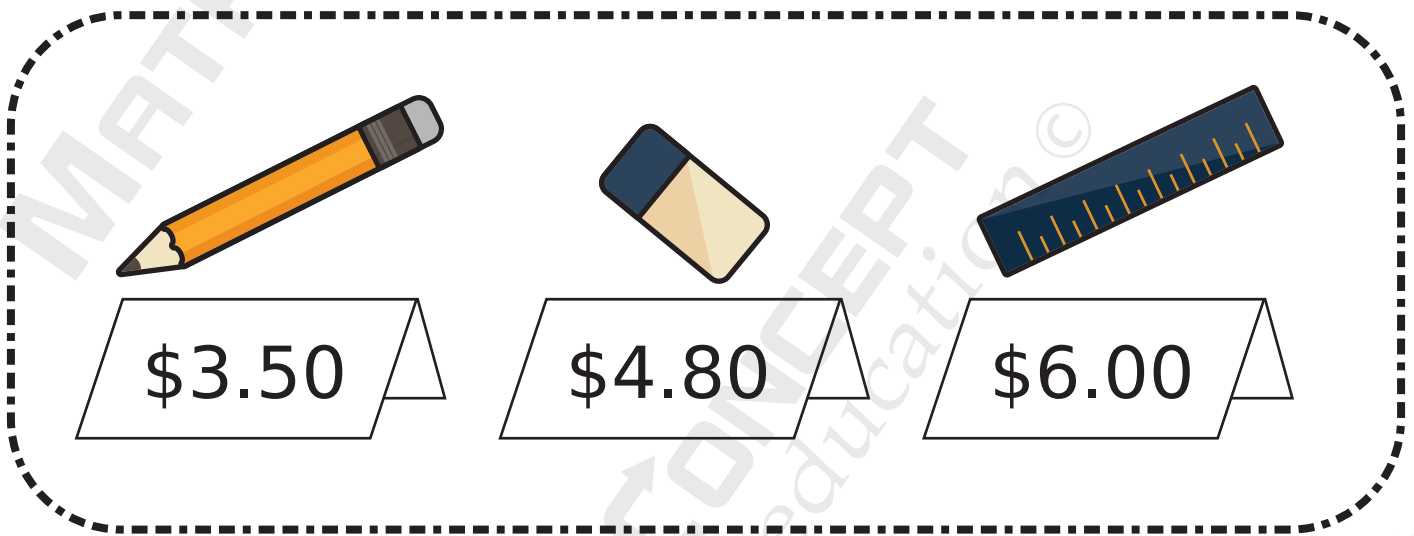greatest odd number?

以下五個數字中，哪一個是最大的單數？

89   98   69   100   91

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26) Find the sum of the smallest 2-digit even   [3.0%]
number and the greatest 2-digit even number.

最小的兩位雙數加上最大的兩位雙數是多少？

27) Peter has 15 dollars and 80 cents. After buying one pencil and one ruler, how much does he have left?　　　[3.1%]

小明有 15 元 8 角，他買了一支鉛筆和一把間尺後，還餘下多少錢？
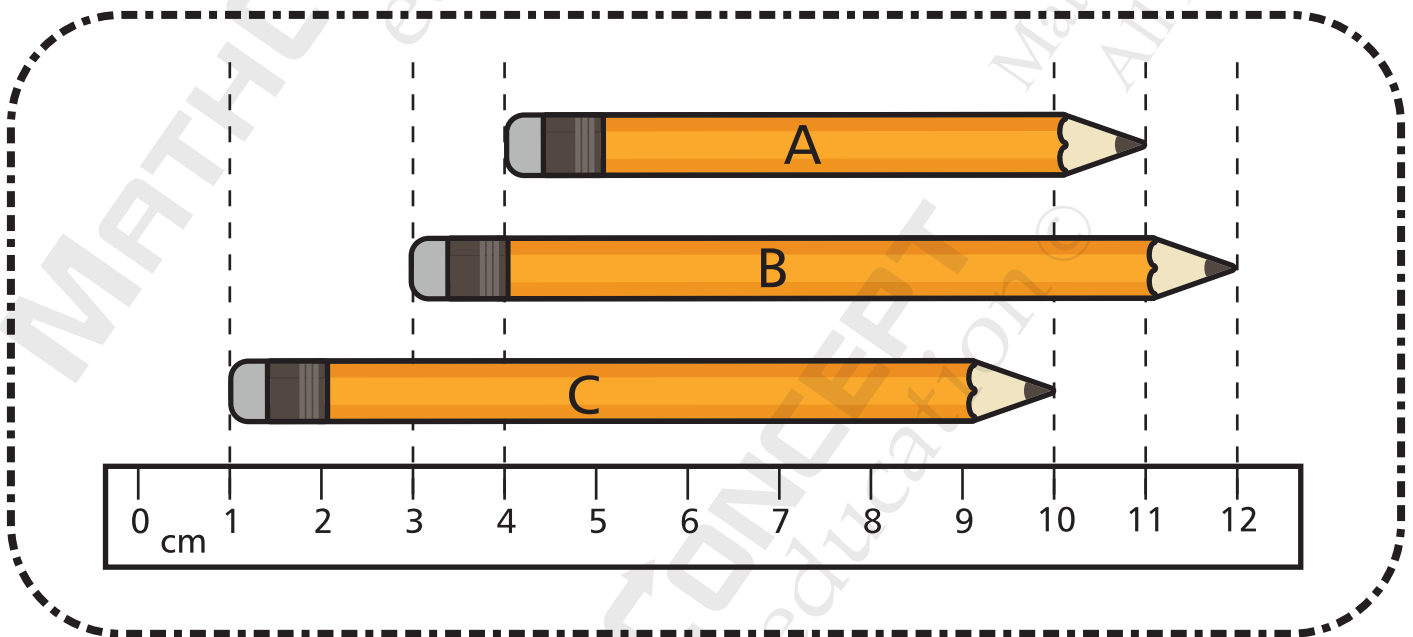
| $3.50 | $4.80 | $6.00 |

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28) There is a 2-digit even number, the sum of the digits in units place and tens place is 2. What is the 2-digit number?　　　[3.2%]

有一個兩位雙數，它的個位數字加上十位數字是 2 。問那個兩位數是多少？

29) By how many centimetres is pencil C longer   [3.3%]
than pencil A?

鉛筆 C 比鉛筆 A 長多少厘米？

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30) If the 1st day is Thursday, which day of the   [3.4%]
week will the 25th day be?

如果第 1 日是星期四，那麼第 25 日是星期幾？

31) Find the missing number in the pattern. [4.0%]

根據規律，找出橫線上的數字。

$$10 , 21 , 32 , \underline{\ ?\ } , 54 , 65 , \dots$$

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32) Alex is 4 years older than Bryan and Bryan is 7 years younger than Calvin. If Alex is 12 years old, how old is Calvin? [4.1%]
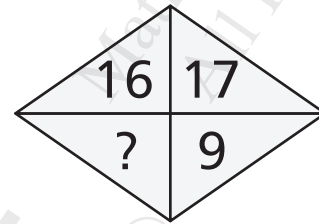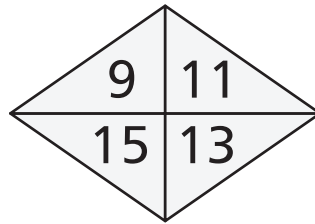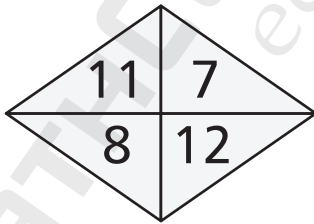
家豪比志強大 4 歲，志強比柏堅小 7 歲。如果家豪今年 12 歲，那麼柏堅今年多少歲？

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33) Eric has 37 marbles and David has 65 marbles. If they share their marbles equally, how many marbles will each of them have? [4.2%]

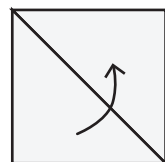小賢有 37 粒波子，小良有 65 粒波子。如果把他們的波子平分，每人可得到波子多少粒？

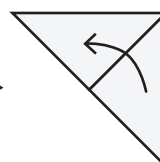**34)** Accroding to the pattern, find the missing number. [4.3%]

根據規律，找出缺掉的數字。

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35) A piece of square paper is folded 5 times as shown below. It is then cut along all the folded lines.How many triangles of the same shape and size can be divided? [4.4%]

把一張正方形手工紙按以下方式對摺 5 次，然後沿所有摺痕剪開，可以分成多少個相同的三角形？

1st   2nd

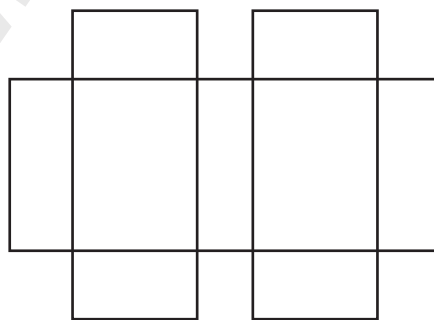**36)** Mary and John are lining up at a bus stop. [4.5%] Mary is behind John. If there are 14 people in front of Mary, 22 people behind John and 9 people in between them, how many people are there at the bus stop?

小莉和小昌在巴士站排隊，小莉排在小昌的後方。若小莉的前面排了 14 人，小昌的後面排了 22 人，而他們之間有 9 人，問巴士站共有多少人？

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37) How many rectangles are there in the figure [4.6%] below?
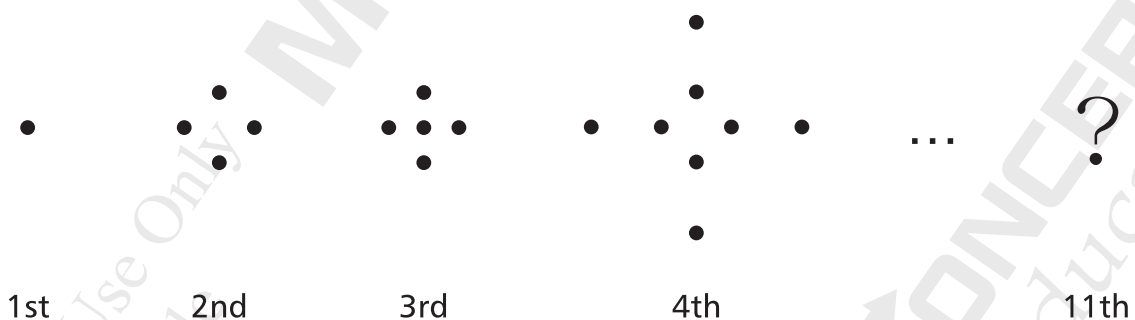
下圖共有多少個長方形？

38) The sum of a 2-digit number and a 1-digit number is 19. Their difference is 5. What is the 1-digit number?   [4.7%]

有一個一位數和一個兩位數，它們的和是 19 ，而它們的差是 5 。問那個一位數是多少？

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39) How many dots are there in the 11th figure?   [4.8%]

圖中第 11 組圖案有多少個圓點？

1st   2nd   3rd   4th   11th

40) If the digits "1" to "9" are put into the 3 by 3 **[4.9%]** square boxes according to the instructions below, which digit will be right in the middle of the square?

Put "1", "2" and "3" in the same vertical column while "3", "4" and "5" in the same horizontal row;
Put "1" above "2" and "2" below "3";
Put "3" and "4" to the left of "5";
Put "5" in between "6" and "7";
Put "2" and "6" to the right of "8".

若把數字「1」至「9」按下列指示填入以下的九宮格內，哪個數字會排列在正中間？

把「1」、「2」和「3」放在同一直行，
而「3」、「4」和「5」放在同一橫行；
把「1」放在「2」的上方，而「2」放在「3」的下方；
把「3」和「4」放在「5」的左方；
把「5」放在「6」和「7」之間；
把「2」和「6」放在「8」的右方。

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End of paper
全卷完

NAME	
GROUP	
SEAT	
REG No.	

ANSWER	MUO	ANSWER	MUO	ANSWER	MUO	ANSWER	MUO
1 ↓ 19	1 ◯	11 ↓ 27	11 ◯	21 ↓ 13	21 ◯	31 ↓ 43	31 ◯
2 ↓ 29	2 ◯	12 ↓ 37	12 ◯	22 ↓ 16	22 ◯	32 ↓ 15	32 ◯
3 ↓ 11	3 ◯	13 ↓ 4	13 ◯	23 ↓ 123	23 ◯	33 ↓ 51	33 ◯
4 ↓ 3	4 ◯	14 ↓ 88	14 ◯	24 ↓ 44	24 ◯	34 ↓ 10	34 ◯
5 ↓ 21	5 ◯	15 ↓ 66	15 ◯	25 ↓ 91	25 ◯	35 ↓ 32	35 ◯
6 ↓ 16	6 ◯	16 ↓ 200	16 ◯	26 ↓ 108	26 ◯	36 ↓ 27	36 ◯
7 ↓ 11	7 ◯	17 ↓ 7	17 ◯	27 ↓ $6.30 6元3角	27 ◯	37 ↓ 25	37 ◯
8 ↓ 66	8 ◯	18 ↓ 9	18 ◯	28 ↓ 20	28 ◯	38 ↓ 7	38 ◯
9 ↓ 6	9 ◯	19 ↓ 6	19 ◯	29 ↓ 2	29 ◯	39 ↓ 21	39 ◯
10 80	10 ◯	20 5	20 ◯	30 Sunday (星期)日	30 ◯	40 3	40 ◯

*MUO - Marker Use Only