



MathConceptition

2019

P3

Question Booklet

問題簿

Name:

姓名：

Reg. No.:

登記編號：

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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。

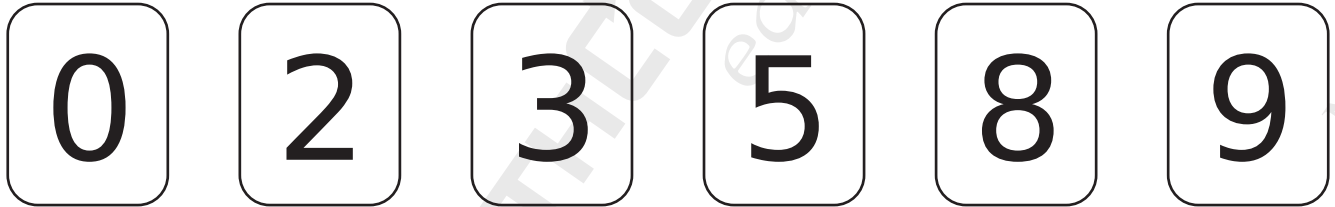
- 1) $24 + 56 = ?$ [1%]
- 2) $801 - 243 = ?$ [1%]
- 3) $125 - 38 = ?$ [1%]
- 4) $9 \times 7 = ?$ [1%]
- 5) $52 \div 4 = ?$ [1%]
- 6) $38 \times 7 = ?$ [1%]
- 7) $112 \div 7 = ?$ [1%]
- 8) $25 + 6 \times 15 = ?$ [1%]
- 9) $66 + 28 + 28 + 28 + 28 + 28 = ?$ [1%]
- 10) $2 \times 3 + 3 \times 4 + 4 \times 5 + 5 \times 6 = ?$ [1%]
- 11) $12 - 28 + 37 - 15 = ?$ [1%]
- 12) $67 \times (34 - 28) = ?$ [1%]
- 13) $7 \times (67 + 32) = ?$ [1%]
- 14) $102 \div 3 = ?$ [1%]
- 15) $2019 \div 3 = ?$ [1%]

- 16) A piece of cake costs \$32. If Bobby buys 6 pieces of cake, how much does he have to pay? [2.0%]

一件蛋糕售 32 元。小明買了 6 件蛋糕，他需要付多少元？

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- 17) Form the largest 5-digit odd number by using the number cards below. [2.1%]

用以下的數字卡組成一個最大的五位單數。



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- 18) A bag of candies costs \$21. A box of biscuits costs \$18. How much do 4 bags of candies and 7 boxes of biscuits cost? [2.2%]

一包糖果售 21 元，一盒餅乾售 18 元，問 4 包糖果和 7 盒餅乾共售多少元？

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

找出橫線上的數字。

$$1 \text{ km } 70 \text{ m} = \underline{\quad ? \quad} \text{ m}$$

- 20) Miss Chan wants to give some candies to 6 children evenly. If she has 45 candies and she wants to give out all of her candies, at least how many more candies does she need to buy? [2.4%]

陳老師想把一些糖果平均分給 6 位小朋友。已知老師已經有 45 粒糖果，如果她想把所有糖果都送出，問她最少要多買糖果多少粒？

- 21) A pizza restaurant sells 125 pizzas per day on weekdays. It sells 110 more pizzas each day on Saturdays and Sundays. How many pizzas does the pizza restaurant sell in a week? [2.5%]

薄餅店平日每日售出薄餅 125 個，星期六、日比平日各多售出 110 個。問薄餅店一星期共售出了薄餅多少個？

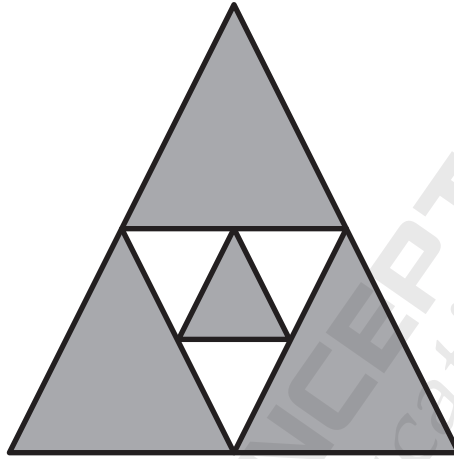
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- 22) A rectangle has four equal sides. It is a/an [2.6%]

_____ .

一個長方形有四條相同的邊。這是一個_____。

- 23) Write the fraction that represents the shaded part. [2.7%]

圖中著色部分佔全圖的幾分之幾？



- 24) What is $\frac{6}{7}$ of 91? [2.8%]

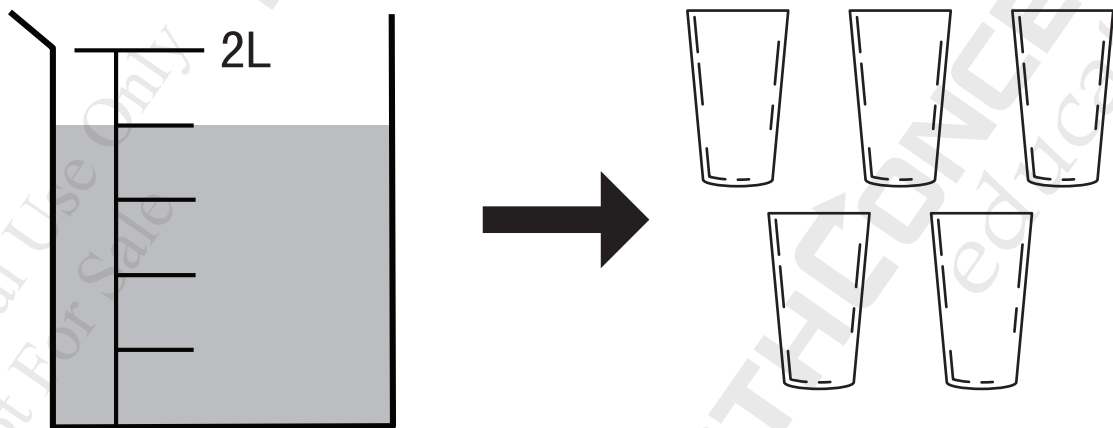
91 的 $\frac{6}{7}$ 是多少？

- 25) The flight time from Hong Kong to Los Angeles [2.9%]
is 12 hours 50 minutes. If the flight arrived at
Los Angeles at Hong Kong time 4:20 a.m.,
when did the flight take off? (Answer in
24-hour time.)

從香港到洛杉磯的飛行時間是 12 小時 50 分鐘。
如果飛機在香港時間早上 4 時 20 分抵達洛杉磯，
它在甚麼時間起飛？（以 24 小時報時制作答。）

- 26) After pouring the water from the container into [3.0%]
5 cups evenly, how much water in millilitres is
there in each cup?

把容器中的水平均倒進 5 隻杯後，每隻杯有水多
少毫升？



- 27) Bobby is moving a heavy box. He finds four friends to help him. However, it is still too heavy and each person finds four more friends to help. How many people are moving the box? [3.1%]

小明要搬一件貨物，因為太重，所以他找來了 4 位朋友幫忙。可是仍然搬不動，每人又再找來 4 位朋友幫忙。最後有多少人一起搬？

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- 28) Arrange the following fractions from the largest to the smallest. [3.2%]

把下列分數由大至小排列。

$$\frac{1}{4}, \frac{7}{10}, \frac{2}{5}, \frac{10}{13}$$

- 29) John has 15 apples and Bobby has 9 apples. [3.3%]
How many apples does John have to give Bobby so that the number of apples Bobby has is two times that of John?

小明有 15 個蘋果，小強有 9 個蘋果。問小明要給小強多少個蘋果，才可使小強的蘋果數目是小明的兩倍？

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- 30) It is given that 31st March 2019 is Sunday. [3.4%]
Which day of the week is 31st March 2020?

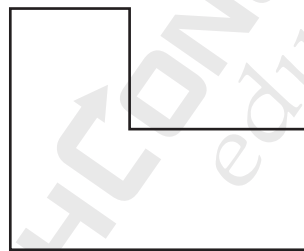
已知 2019 年 3 月 31 日是星期日，問 2020 年 3 月 31 日是星期幾？

- 31) The result of a number plus 4, minus 4, times 4 and divided by 4 is 0. What is this number? [4.0%]

一個數加 4、減 4、乘 4，再除以 4 的結果是 0，
這個數是甚麼？

- 32) How many pair(s) of parallel lines are there in the figure below? [4.1%]

下圖有多少對平行線？



- 33) There are 15 questions in a math test. 3 marks are given when the question is answered correctly. 1 mark is deducted when the question is answered wrongly. If Peter answered all questions and got 9 marks, how many questions did he answer wrongly? [4.2%]

數學測驗有 15 道題目，答對一題有 3 分，答錯一題扣 1 分。如果小明回答了所有問題並得到 9 分，他答錯了多少道題目？

- 34) A, B and C went shopping together. A and B spent \$3042 altogether, B and C spent \$3579 altogether, C and A spent \$2585 altogether. Find the least amount spent by one of the three people. [4.3%]

A、B 和 C 一起在商場購物。已知 A 和 B 一共消費了 3042 元，B 和 C 一共消費了 3579 元，C 和 A 一共消費了 2585 元，消費最少的人消費了多少元？

- 35) Bobby writes a number : 1011121314... [4.4%]
What is the 99th digit from the left?

小明寫了一串數字如下：1011121314...
如此類推，他寫的第 99 個數字是甚麼？

- 36) If the sum of all digits of a 5-digit odd number is 18, what is the largest possible value of the number? [4.5%]

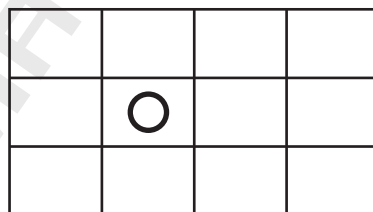
一個五位單數各個數字之和是 18，這個數最大是多少？

- 39) How many three-digit numbers are there so that the product of its three digits is 16? [4.8%]

有多少個 3 位數，它們的三個數字之積是 16?

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- 40) Count the number of rectangles that contains ○. [4.9%]

包含 ○ 的長方形有多少個?





REG NO			P3
NAME			
GROUP			
SEAT			

ANSWER SHEET

ANSWER		ANSWER		ANSWER		ANSWER	
1 80	<input type="radio"/>	11 6	<input type="radio"/>	21 1095	<input type="radio"/>	31 0	<input type="radio"/>
2 558	<input type="radio"/>	12 402	<input type="radio"/>	22 正方形 Square	<input type="radio"/>	32 6	<input type="radio"/>
3 87	<input type="radio"/>	13 693	<input type="radio"/>	23 $\frac{13}{16}$	<input type="radio"/>	33 9	<input type="radio"/>
4 63	<input type="radio"/>	14 34	<input type="radio"/>	24 78	<input type="radio"/>	34 1024	<input type="radio"/>
5 13	<input type="radio"/>	15 673	<input type="radio"/>	25 15:30	<input type="radio"/>	35 5	<input type="radio"/>
6 266	<input type="radio"/>	16 192	<input type="radio"/>	26 320	<input type="radio"/>	36 98001	<input type="radio"/>
7 16	<input type="radio"/>	17 98523	<input type="radio"/>	27 25	<input type="radio"/>	37 1819	<input type="radio"/>
8 115	<input type="radio"/>	18 210	<input type="radio"/>	28 $\frac{10}{13}, \frac{7}{10}, \frac{2}{5}, \frac{1}{4}$	<input type="radio"/>	38 8	<input type="radio"/>
9 206	<input type="radio"/>	19 1070	<input type="radio"/>	29 7	<input type="radio"/>	39 12	<input type="radio"/>
10 68	<input type="radio"/>	20 3	<input type="radio"/>	30 二/TUE	<input type="radio"/>	40 24	<input type="radio"/>