

HONG KONG ATTAINMENT TEST

香港學科測驗

Mathematics 數學

Primary 4 四年級

Mock Paper of the Latest Question Types

最新題型增值卷

題號	學習重點	範疇
1	除法(4上)	數
2	整數乘法(4上)	
3	整數乘法(4上)	
4	整數乘減混合計算(3下)	
5	公倍數和公因數(4上)	
6	倍數和因數(4上)	
7	分數的認識(3下)、 同分母分數加法(4下)	
8	小數加法(4下)	
9	整數四則混合計算(4下)	
10	小數的認識(4下)、 乘除混合計算(4下)	
11	整除性(4上)	
12	同分母分數大小比較(4下)	
13	倍數(4上)	
14	小數的認識(4下)	
15	小數加減混合計算(4下)	
16	除加混合計算(4下)	
17	圖形的拼砌(4上)	圖形與空間
18	圖形的分割(4上)	
19	三角形三邊的關係(3下)	
20	八個方向(4上)	
21	八個方向(4上)	

題號	學習重點	範疇
22	周界(4下)、面積(4下)	度量
23	周界(4下)	
24	面積(4下)	
25	面積(4下)	
26	面積(4下)、周界(4下)	
27	周界(4下)	
28	象形圖(2下)	
29	棒形圖(4下)	
30	棒形圖(4下)	
31(a)	周界(4下)	度量
31(b)	面積(4下)	
32(a)	小數加法(4下)	數
32(b)	小數加減混合計算(4下)	
33(a)	四則混合計算(4下)	
33(b)	乘減混合計算(3下)	
34(a)	周界(4下)	度量
34(b)	圖形的拼砌(4上)	
35(a)	除法(4上)	數
35(b)	整除性(4上)	
35(c)	八個方向(4上)	
36(a)	棒形圖(4上)	數據處理
36(b)	棒形圖(4上)	

Time allowed for the test: 50 minutes
測驗時間：50 分鐘

Instructions:

1. This test contains two sections:
Section A: Questions 1-30
Section B: Questions 31-36
2. Answer ALL questions.
3. Write your answers on the answer sheet.
4. Write your name, class and class number on the answer sheet.
5. You may do your rough work in the blank space of this test booklet and there is no need to rub it out after the test.
6. You can use a pencil or a black/blue ball pen to answer the questions.
7. The use of calculator is not allowed.

學生須知：

1. 本測驗卷共有兩部分：
甲部：第 1 至第 30 題
乙部：第 31 至第 36 題
2. 全部題目均須作答。
3. 把答案寫在答題紙上。
4. 在答題紙上填寫學生姓名、班別及學號。
5. 學生可利用本測驗卷的空白部分做算草，測驗完畢後無須將算草擦去。
6. 學生可以鉛筆或黑/藍色圓珠筆作答。
7. 不准使用計算機。

Note:
Not all diagrams are drawn to scale.

注意：
部分附圖不依比例繪畫。

SECTION A (60 marks)

Choose the correct answer. You only need to write down the letter preceding the selected answer.

甲部 (60 分)

選出正確的答案。學生只須填上所選答案前的英文字母。

1. is a 3-digit number.

When it is divided by 18, the remainder is 16. Which of the following is ?

A.

B.

C.

D.

A. $212 \div 18 = 11 \dots 14$
B. $214 \div 18 = 11 \dots 16$
C. $216 \div 18 = 12$
D. $218 \div 18 = 12 \dots 2$

1. 是一個三位數。當它除以 18，餘數是 16，下列哪個是 ?

A.

B.

C.

D.

Magazine Subscription Plan 雜誌訂購計劃	
Price per each 每本價錢 \$20	Total number of subscription days 總訂購天數 15

2. 27 students subscribe magazine according to the above plan, how much should they pay in total?

A. \$8100

B. \$540

C. \$405

D. \$300

They should pay:
 $20 \times 15 \times 27$
 $= \$8100$

2. 27 名學生根據以上計劃訂購雜誌，他們共須付多少？

A. \$8100

B. \$540

C. \$405

D. \$300

他們共須付：
 $20 \times 15 \times 27$
 $= \$8100$


<p>3. The shoe store has 18 shelves. Each shelf has 9 levels and each level has 12 pairs of shoes, how many pairs of shoes does the shoe store have?</p> <p>A. 162 B. 216 C. 1494 D. 1944</p> <p>The shoe store has: $12 \times 9 \times 18$ $= 1944(\text{pairs})$</p>	<p>3. 鞋店有 18 個貨架。每個貨架有 9 層，每層有 12 雙鞋子，鞋店共有鞋子多少雙？</p> <p>A. 162 B. 216 C. 1494 D. 1944</p> <p>共有鞋子： $12 \times 9 \times 18$ $= 1944(\text{雙})$</p>
<p>4. A company will distribute 4 notebooks to each of 164 employees. But it has only prepared 500 notebooks. How many more notebooks does the company need?</p> <p>A. 1156 B. 656 C. 156 D. 127</p> <p>The company needs more $4 \times 164 - 500$ $= 156(\text{notebooks})$</p>	<p>4. 某公司將向 164 名員工每人派發 4 本筆記簿，但只準備了 500 本筆記簿。該公司還需要筆記簿多少本？</p> <p>A. 1156 B. 656 C. 156 D. 127</p> <p>該公司還需要筆記簿 $4 \times 164 - 500$ $= 156(\text{本})$</p>
<p>5. Find the H.C.F. of 56 and 84.</p> <p>A. 4 B. 14 C. 28 D. 168</p> <p>$2 \begin{array}{r} 56 \\ 28 \\ \hline \end{array} \begin{array}{r} 84 \\ 42 \\ \hline \end{array}$ $7 \begin{array}{r} 14 \\ 7 \\ \hline \end{array} \begin{array}{r} 21 \\ 3 \\ \hline \end{array}$ The H.C.F. of 56 and 84 is: $2 \times 2 \times 7 = 28$</p>	<p>5. 求 56 和 84 的 H.C.F.。</p> <p>A. 4 B. 14 C. 28 D. 168</p> <p>$2 \begin{array}{r} 56 \\ 28 \\ \hline \end{array} \begin{array}{r} 84 \\ 42 \\ \hline \end{array}$ $7 \begin{array}{r} 14 \\ 7 \\ \hline \end{array} \begin{array}{r} 21 \\ 3 \\ \hline \end{array}$ 56 和 84 的 H.C.F. 是： $2 \times 2 \times 7 = 28$</p>

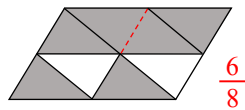
6. What is the result of adding up all the factors of 44?

- A.** 84 The factors of 44 are: 1, 2, 4, 11, 22, 44
- B. 83 The result of adding up all the factors is:
- C. 69 $1 + 2 + 4 + 11 + 22 + 44 = 84$
- D. 39


6. 把 44 的所有因數相加的結果是多少？

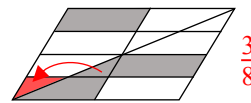
- A.** 84 44 的因數有：1，2，4，11，22，44
- B. 83 所有因數相加的結果是：
- C. 69 $1 + 2 + 4 + 11 + 22 + 44 = 84$
- D. 39

7. If each  represents 1, what is the result of adding up all the numbers represented by the shaded parts of the following figures?



- A. $\frac{3}{8}$
 - B. $\frac{1}{2}$
 - C. $\frac{3}{4}$
 - D.** $1\frac{1}{8}$
- $\frac{6}{8} + \frac{3}{8} = 1\frac{1}{8}$

7. 如果每個  代表 1，下列各圖形的陰影部分代表的值相加後的結果是多少？



- A. $\frac{3}{8}$
- B. $\frac{1}{2}$
- C. $\frac{3}{4}$
- D.** $1\frac{1}{8}$

8. Which of the following has the largest value?

- A. $5.5 + 5 + 0.05$ A. 10.55
- B. $55 + 5.05 + 0.05$ B. 60.1
- C.** $55 + 5.05 + 0.5$ C. 60.55
- D. $55 + 0.5 + 0.55$ D. 56.05

8. 下列哪一項的值最大？

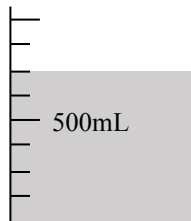
- A. $5.5 + 5 + 0.05$
- B. $55 + 5.05 + 0.05$
- C.** $55 + 5.05 + 0.5$
- D. $55 + 0.5 + 0.55$

9. A box of 16 ballpoint pens sells for \$240. The average price of each ballpoint pen is more expensive than that of each pencil by \$5. To buy four dozen pencils, how much should be paid?

- A. \$720 The average price of each pencil is:
 $240 \div 16 - 5 = \$10$
 There are:
 $10 \times 12 \times 4 = \480
- B. \$640
- C. \$480**
- D. \$360

9. 一盒原子筆有 16 枝，售價是 \$240。每枝原子筆的平均售價較每枝鉛筆的貴 \$5。買四打鉛筆須付多少？

- A. \$720 每枝鉛筆的平均售價是：
 $240 \div 16 - 5 = \$10$
 須付：
 $10 \times 12 \times 4 = \480
- B. \$640
- C. \$480**
- D. \$360



10. In the above figure, how much water is there in the container?

- A. 875mL There is:
 $500 \div 4 \times 6 = 750(\text{mL})$
- B. 750mL**
- C. 625mL
- D. 125mL

10. 在上圖，容器中有水多少？

- A. 875mL 容器中有水：
 $500 \div 4 \times 6 = 750(\text{mL})$
- B. 750mL**
- C. 625mL
- D. 125mL

<p>11. Which of the following numbers is divisible by 3?</p> <p>A. 7298 $7+2+9+8=26$ $7+3+0+0=10$</p> <p>B. 7300 $7+3+0+3=13$ $7+3+0+5=15$</p> <p>C. 7303</p> <p>D. 7305</p>	<p>11. 下列哪一個數能被 3 整除？</p> <p>A. 7298</p> <p>B. 7300</p> <p>C. 7303</p> <p>D. 7305</p>
<p>12. If $\frac{P}{9}$ is converted into mixed fraction, it is between $2\frac{4}{9}$ and $2\frac{8}{9}$. Which of the following is the possible value of P?</p> <p>A. 20 $2\frac{4}{9} = \frac{22}{9}, 2\frac{8}{9} = \frac{26}{9}$</p> <p>B. 22 $\frac{22}{9} < \frac{P}{9} < \frac{26}{9}$ $22 < P < 26$</p> <p>C. 25</p> <p>D. 27</p>	<p>12. 若把 $\frac{P}{9}$ 化為帶分數，該帶分數介乎 $2\frac{4}{9}$ 和 $2\frac{8}{9}$ 之間。下列哪一個數可能是 P 的值？</p> <p>A. 20</p> <p>B. 22</p> <p>C. 25</p> <p>D. 27</p>
<p>13. The fourth common multiple of two numbers is 168. Which of the following groups of numbers may be these two numbers?</p> <p>A. 21, 84 <small>The L.C.M. of the two numbers is: $168 \div 4 = 42$</small></p> <p>B. 3, 56 <small>A. The L.C.M. of 21 and 84 is 84. B. The L.C.M. of 3 and 56 is 168.</small></p> <p>C. 6, 7 <small>C. The L.C.M. of 6 and 7 is 42. D. The L.C.M. of 4 and 16 is 16.</small></p> <p>D. 4, 16</p>	<p>13. 兩個數的第四個公倍數是 168。以下哪一組數可能是這兩個數？</p> <p>A. 21, 84 <small>兩個數的最小公倍數是： $168 \div 4 = 42$</small></p> <p>B. 3, 56 <small>A. 21 和 84 的最小公倍數是 84。 B. 3 和 56 的最小公倍數是 168。</small></p> <p>C. 6, 7 <small>C. 6 和 7 的最小公倍數是 42。 D. 4 和 16 的最小公倍數是 16。</small></p> <p>D. 4, 16</p>

14. The number was 2109.457, but Carmen wrongly exchanged the hundredth digit and the tenth digit. Which of the following number was written by Carmen?

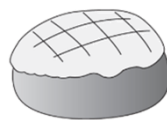
- A. 2019.457 *In the number 2109.457, The hundredth digit is '5' and the tenth digit is '4'.*
B. 2109.547 *Exchanged the hundredth digit and the tenth digit: 2109.547*
 C. 2109.754
 D. 2159.407

14. 某數是 2109.457，但是家雯卻誤把百分位和十分位的數字互換了。以下哪一個是家雯寫的數？

- A. 2019.457 *在 2109.457 這個數中，百分位數字是「5」，十分位數字是「4」。*
B. 2109.547 *2109.457 互換百分位和十分位的數後是 2109.547。*
 C. 2109.754
 D. 2159.407



Each	\$12.50
每個	



Each	\$8.60
每個	



15. There are 2 croissants and 1 pineapple bun in a discount package, the price is \$30. If the same number of croissants and pineapple bun are bought, how much can be saved by buying the discount package?

- A. \$3.6** *It can be saved:*
 $12.5 + 12.5 + 8.6 - 30 = \3.6
 B. \$3.9
 C. \$5.8
 D. \$7.8



15. 優惠套裝內有 2 個牛角包和 1 個菠蘿包，售價是 \$30。如果買相同數量的牛角包和菠蘿包，買優惠套裝可以節省多少？

- A. \$3.6** *可以節省：*
 $12.5 + 12.5 + 8.6 - 30 = \3.6
 B. \$3.9
 C. \$5.8
 D. \$7.8

16. Jack has 29 \$5 and \$10 vouchers altogether. They are worth \$190. If Jack has 11 fewer \$10 vouchers than \$5 vouchers, how many \$5 vouchers does he have?

- A. 9
 \$5 vouchers  } (29+11)
 B. 19
 \$10 vouchers  } vouchers
C. 20
 He has:
 $(29 + 11) \div 2$
 $= 20(\text{vouchers})$
 D. 25

16. 傑銘有\$5和\$10的代用券共29張，它們總值\$190。如果傑銘的\$10代用券比\$5代用券少11張，他有\$5代用券多少張？

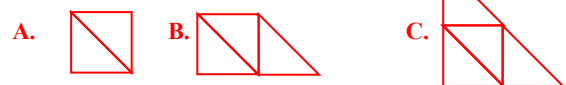
- A. 9
 \$5代用券  } 共(29+11)張
 B. 19
 \$10代用券  }
C. 20
 他有\$5代用券：
 $(29 + 11) \div 2$
 $= 20(\text{張})$
 D. 25

17. Which of the following descriptions about isosceles right-angled triangles is incorrect?

- A. A square can be formed by fitting 2 isosceles right-angled triangles of the same size.
 B. A trapezium can be formed by fitting 3 isosceles right-angled triangles of the same size.
 C. A triangle can be formed by fitting 4 isosceles right-angled triangles of the same size.
D. A parallelogram can be formed by fitting 5 isosceles right-angled triangles of the same size.

17. 下列哪一項有關等腰直角三角形的描述是錯誤的？

- A. 兩個大小相同的等腰直角三角形可以拼出一個正方形。
 B. 三個大小相同的等腰直角三角形可以拼出一個梯形。
 C. 四個大小相同的等腰直角三角形可以拼出一個三角形。
D. 五個大小相同的等腰直角三角形可以拼出一個平行四邊形。



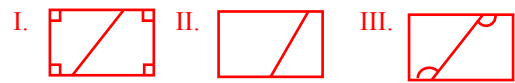
18. Anne drew a straight line on a rectangle paper and 2 trapeziums were obtained. Which descriptions in the following must be correct?

- I. There are two right angles in each of the trapeziums.
- II. The perimeter of two trapeziums were equal.
- III. There was an obtuse angle in each of the trapeziums.

- A. I and II only
- B. I and III only**
- C. II and III only
- D. I, II and III

18. 佳敏在一張長方形的紙上畫了一條直線，得出兩個梯形。下列哪些描述必定正確？

- I. 兩個梯形各有兩隻直角。
- II. 兩個梯形的周界相等。
- III. 兩個梯形各有一隻鈍角。



- A. 只有 I 及 II
- B. 只有 I 及 III**
- C. 只有 II 及 III
- D. I, II 及 III



6cm



12cm



6cm



15cm

19. Which of the following triangles can be formed by using three of the above wooden sticks?

- A. equilateral triangle
- B. scalene triangle**
- C. isosceles triangle

A. There has not three wooden sticks of the same length.

D. isosceles right-angled triangle
B. $6 + 12 = 18$, $18 > 15$, a scalene triangle can be formed.

C and D. $6 + 6 = 12$, $12 < 15$, an isosceles triangle can not be formed.

19. 用以上其中三枝木棒可能拼成以下哪種三角形？

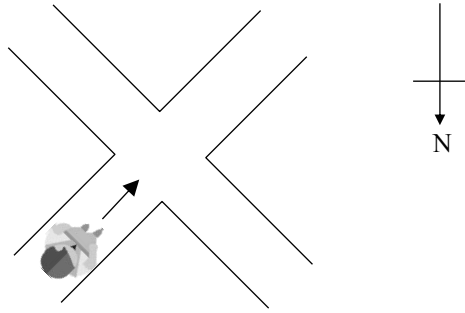
- A. 等邊三角形
- B. 不等邊三角形**
- C. 等腰三角形

D. 等腰直角三角形

A. 沒有三條長度相同的木棒。

B. $6 + 12 = 18$, $18 > 15$, 可以組成不等邊三角形。

C 和 D. $6 + 6 = 12$, $12 < 15$, 不可以組成等腰三角形。

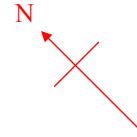
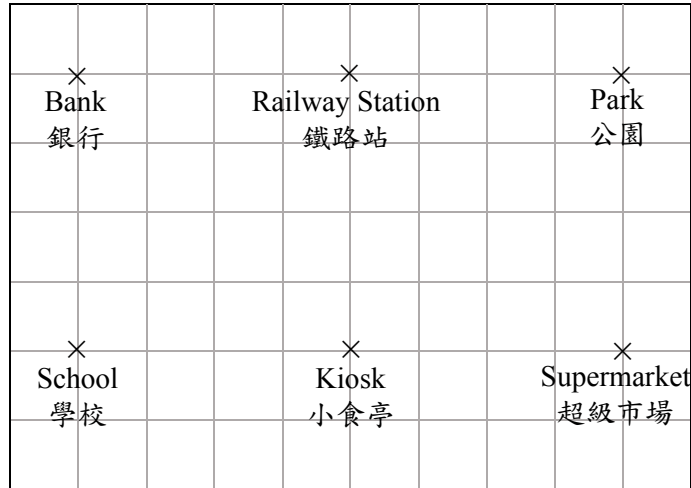


20. In the above figure, when Ken arrives at the junction, he will turn left and walk on. In which direction will he walk then?

- A. southeast
- B. southwest
- C. northeast
- D. northwest

20. 上圖中，當青鋒步行到分岔路口時，他會轉左繼續步行。即他向哪一方繼續步行？

- A. 東南
- B. 西南
- C. 東北
- D. 西北



21. If the Railway Station is in the northeast of the Kiosk, what is in the west of the Railway station?

- A. Bank
- B. Park
- C. School**
- D. Supermarket

21. 如果鐵路站在小食亭的東北方。鐵路站的西方是什麼地方？

- A. 銀行
- B. 公園
- C. 學校**
- D. 超級市場

22. The perimeter of the rectangle is 36cm. If the length is twice the width, what is the area of the rectangle?

- A. 36cm^2
 - B. 72cm^2**
 - C. 162cm^2
 - D. 288cm^2
- The sum of the length and width of the rectangle is:
 $36 \div 2 = 18(\text{cm})$
 The length is twice the width, so the sum of the length and width is 3 times the width.
 The width of the rectangle is:
 $18 \div 3 = 6(\text{cm})$
 The area of the rectangle is:
 $(6 \times 2) \times 6 = 72(\text{cm}^2)$

22. 長方形的周界是 36cm。如果長度是闊度的 2 倍，這個長方形的面積是多少？

- A. 36cm^2
 - B. 72cm^2**
 - C. 162cm^2
 - D. 288cm^2
- 長方形的長度與闊度之和是：
 $36 \div 2 = 18(\text{cm})$
 長度是闊度的 2 倍，所以長度和闊度之和是闊度的 3 倍。
 長方形的闊度是：
 $18 \div 3 = 6(\text{cm})$
 長方形的面積是：
 $(6 \times 2) \times 6 = 72(\text{cm}^2)$

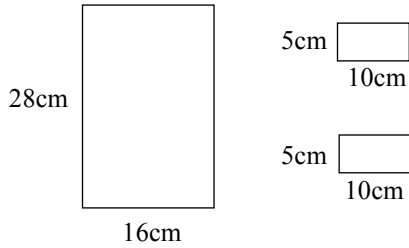


Figure 1
圖一

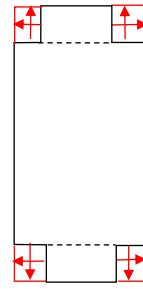
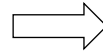


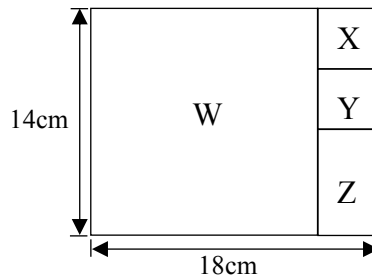
Figure 2
圖二

23. Figure 2 is formed by fitting the three rectangles shown in Figure 1. What is its perimeter?

- A.** 108cm Its perimeter is:
 $(28+5+5+16)\times 2 = 108(\text{cm})$
- B. 114cm
- C. 136cm
- D. 148cm

23. 圖二是由圖一所示的三個長方形拼砌而成，它的周界是多少？

- A.** 108cm 它的周界是：
 $(28+5+5+16)\times 2 = 108(\text{cm})$
- B. 114cm
- C. 136cm
- D. 148cm

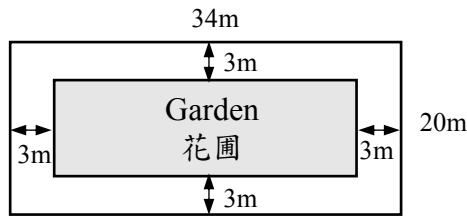


24. In the above figure, W, X and Y are squares. Find the area of Z.

- A.** 24cm^2 The sides of X and Z are:
 $18-14=4(\text{cm})$
- B. 32cm^2 The area of Z is:
 $(14-4-4)\times 4 = 24(\text{cm}^2)$
- C. 124cm^2
- D. 252cm^2

24. 在上圖，W，X和Y是正方形。求Z的面積。

- A.** 24cm^2 X和Y的邊長是： $18-14=4(\text{cm})$
Z的面積是：
 $(14-4-4)\times 4 = 24(\text{cm}^2)$
- B. 32cm^2
- C. 124cm^2
- D. 252cm^2

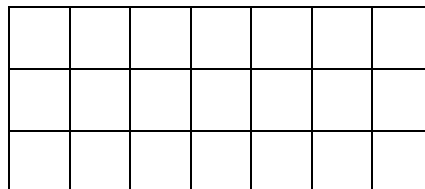


25. A rectangular garden is in the centre of a piece of rectangular land of length 34m and width 20m, as shown above. The weeding fee for the garden is \$22 per m^2 . What is the weeding fee in total?

- A. \$392 The garden is $(34-3-3)\text{m}$ long and $(20-3-3)\text{m}$ wide.
 B. \$6336 The total weeding fee is:
 $22 \times (34-3-3) \times (20-3-3)$
 $= \$8624$
C. \$8624
 D. \$9680

25. 一塊長 34m，闊 20m 的長方形土地中間有一個長方形花園，如上圖所示。花園的除草費用是每平方米 \$22，除草的總費用是多少？

- A. \$392 花園長 $(34-3-3)\text{m}$ ，闊 $(20-3-3)\text{m}$ 。
 B. \$6336 除草的總費用是：
 $22 \times (34-3-3) \times (20-3-3)$
 $= \$8624$
C. \$8624
 D. \$9680

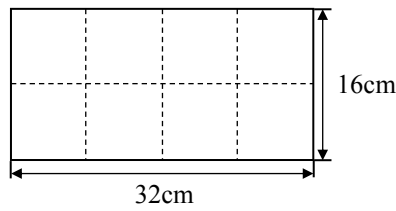


26. The above figure is formed by 21 squares of the same size. The area of one square is 36cm^2 . What is the perimeter of the above figure?

- A. 60cm $36 = 6 \times 6$
 The side of each square is 6cm.
B. 120cm The perimeter of the above figure is:
 $(6 \times 7 + 6 \times 3) \times 2$
 $= 120(\text{cm})$
 C. 252cm
 D. 504cm

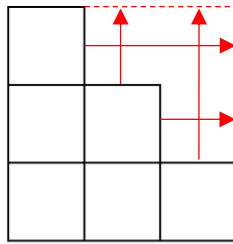
26. 上圖是由 21 個大小相同的正方形組成，每個正方形的面積是 36cm^2 。上圖的周界是多少？

- A. 60cm $36 = 6 \times 6$
 每個正方形的邊長是 6cm。
B. 120cm 上圖的周界是：
 $(6 \times 7 + 6 \times 3) \times 2$
 $= 120(\text{cm})$
 C. 252cm
 D. 504cm



27. The above figure is a rectangle of 32cm long and 16cm wide. Jane cuts along the dotted lines and divides it into 8 squares of the same size. Then she puts 6 of the squares together to form a new figure, as shown below. What is the perimeter of the new figure?

27. 上圖是一個長 32cm，闊 16cm 的長方形。佳佳沿虛線把它分割成 8 個大小相同的正方形，並把其中 6 個正方形拼砌成一個新圖形，如下圖所示。這個新圖形的周界是多少？



- A. 48cm The perimeter of the new figure is:
 B. 64cm $(16 \div 2) \times 3 \times 4 = 96(\text{cm})$
 C. 84cm
D. 96cm

- A. 48cm 這個新圖形的周界是：
 B. 64cm $(16 \div 2) \times 3 \times 4 = 96(\text{cm})$
 C. 84cm
D. 96cm

Number of Rooms Rented in a Hotel in the Past Five Days

某酒店過去五天租出房間的數量



28. If the rental fee of each room is \$150 each day, how much could the hotel get from renting rooms in the past five days?

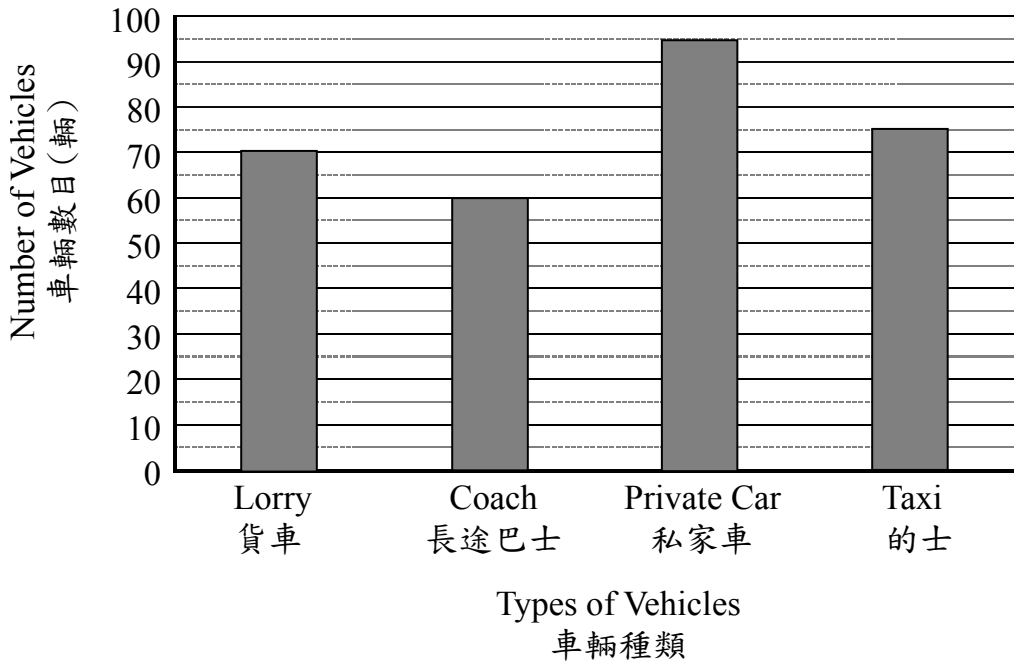
- A. \$750 The hotel could get
150×(4+6+3+4+7)
= \$3600
- B. \$3450
- C.** \$3600
- D. \$3750

28. 如果每間房間每天的租用費是 \$150，酒店過去五天租出房間共收得款項多少？

- A. \$750 共收得款項：
150×(4+6+3+4+7)
= \$3600
- B. \$3450
- C.** \$3600
- D. \$3750

Number of Vehicles Passing the Toll Station Yesterday

昨天經過收費站的車輛數目



29. How many times of the number of coaches is the total number of vehicles passing the toll station yesterday?

- A. 3
- B. 4
- C. 5**
- D. 6

The total number of vehicles passing the toll station is
 $70 + 60 + 95 + 75$
 $= 300$
 $300 \div 60 = 5$

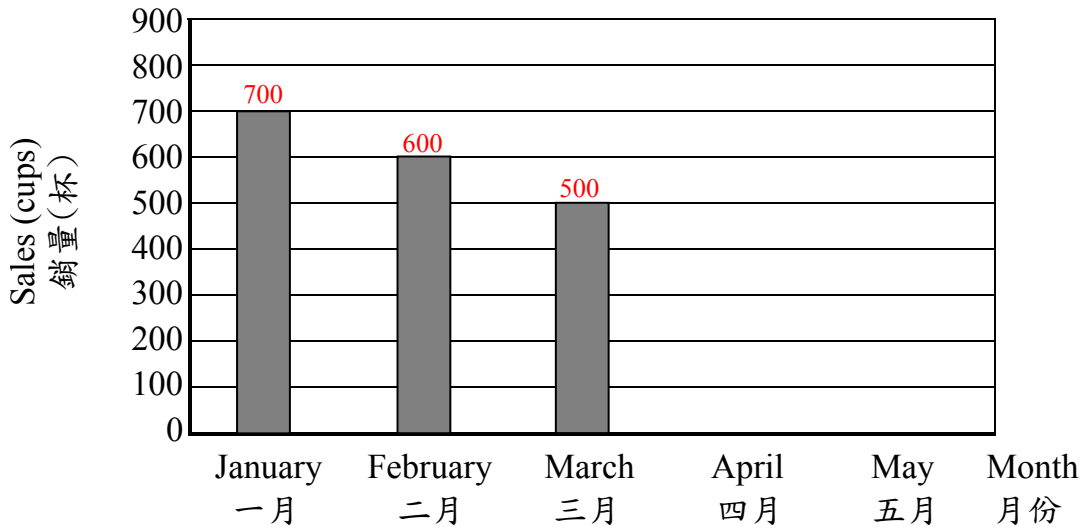
29. 昨天經過收費站的車輛總數是長途巴士數量的多少倍？

- A. 3
- B. 4
- C. 5**
- D. 6

經過收費站的車輛總數是：
 $70 + 60 + 95 + 75$
 $= 300$ (輛)
 $300 \div 60 = 5$

Sales of Juice in the Past Five Months

過去五個月果汁的銷量



30. The employee wanted to use the above graph to show the sales of juice in the past five months. However, he forgot to indicate the sales of juice in April and May in the graph. It is given that the total sales of juice in the past five months was 3000 cups, and the sales of juice in May is 3 times that in April. How many cups of juice were sold in May?

- A. 300 The total sales of juice in April and May are: $3000 - 700 - 600 - 500 = 1200$ (cups)
- B. 600 The sales of juice in May is 3 times that in April, so the total sales of juice in April and May is 4 times that in April.
- C. 900** The sales of juice in April are: $1200 \div 4 = 300$ (cups)
- D. 1200 The sales of juice in May are: $300 \times 3 = 900$ (cups)

30. 店員嘗試用上圖來表示過去五個月果汁的銷量，但他忘記標示四月和五月的果汁銷量。已知過去五個月果汁的總銷量是3000杯，而且五月果汁的銷量是四月的3倍，五月售出果汁多少杯？

- A. 300 四月和五月果汁的總銷量是： $3000 - 700 - 600 - 500 = 1200$ (杯)
- B. 600 五月果汁的銷量是四月的3倍，所以四月和五月果汁的總銷量是四月的4倍。
- C. 900** 四月果汁的總銷量是： $1200 \div 4 = 300$ (杯)
- D. 1200 五月果汁的總銷量是： $300 \times 3 = 900$ (杯)

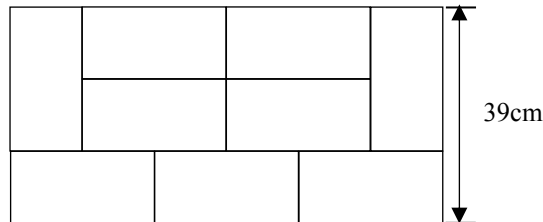
End of Section A
甲部完

SECTION B (40 marks)

Working steps must be shown in answering questions in this section unless specified otherwise.

乙部 (40 分)

除特別指明外，在回答本部分的問題時，須列出計算步驟。



31. (a) The above figure is made from nine rectangles of the same size and same shape. What is the perimeter of each rectangle? (Give the answer only) [3marks]

78cm

The width of the small rectangle is: $39 \div 3 = 13(\text{cm})$

The length of the small rectangle is: $13 \times 2 = 26(\text{cm})$

The perimeter of the small rectangle is: $(26 + 13) \times 2 = 78(\text{cm})$

(b) What is the area of the whole figure? [4 marks]

$$26 \times 13 \times 9 = 3042$$

The area of the whole figure is 3042cm^2 .

31. (a) 上圖由九個大小和形狀相同的長方形組成。每個長方形的周界是多少？(只須寫出答案) [3 分]

78cm

小長方形的闊是： $39 \div 3 = 13(\text{cm})$

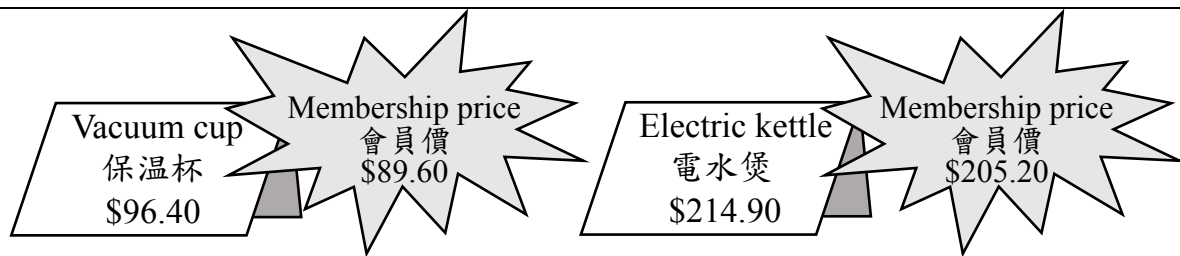
小長方形的長是： $13 \times 2 = 26(\text{cm})$

小長方形的周界是： $(26 + 13) \times 2 = 78(\text{cm})$

(b) 整個圖形的面積是多少？ [4 分]

$$26 \times 13 \times 9 = 3042$$

整個圖形的面積是 3042cm^2 。



32. The above shows the prices of the vacuum cup and electric kettle in a department store. Holders of the membership card can enjoy the membership price, but it could not be used together with any other promotion offers. My father wanted to buy one vacuum cup and one electric kettle.

(a) If my father had the membership card, how much should he pay? [4 marks]

$$89.6 + 205.2 = 294.8$$

He should pay \$294.8.

(b) The department store held a promotion and gave out vouchers of \$20 each. A customer could use one voucher for any purchase up to \$300 or more. Should my father use the voucher or the membership card in order to pay less? (Give the answer only) [2 marks]

voucher
If he uses the voucher, he should pay:
 $96.4 + 214.9 - 20 = \$291.3$, $291.3 < 294.8$

32. 以上是百貨公司保温杯和電水煲的售價。凡持會員卡的顧客可享有會員價，但會員卡不可與其他優惠同時使用。爸爸想買 1 個保温杯和 1 個電水煲。

(a) 如果爸爸持有會員卡，他應付款多少？ [4 分]

$$89.6 + 205.2 = 294.8$$

他應付款\$294.8。

(b) 百貨公司舉行促銷活動，並派發每張價值\$20 的代金券，凡購物滿\$300，即可使用代金券一張。付款時，爸爸應使用代金券還是會員卡才可取得較大的優惠？(只須寫出答案)

[2 分]

代金券
使用代金券須付款：
 $96.4 + 214.9 - 20 = \$291.3$ ， $291.3 < 294.8$

33. Mr Wong planed to have the lunch buffet with his wife and two sons. The special offers from Sunny Restaurant and Delicious Restaurant were as follows.

Sunny Restaurant
陽光餐廳

\$228 each

Half price will be offered to the fourth person

每位**\$228**

第四位可獲半價優惠

33. 黃先生計劃與妻子及兩位兒子去吃自助午餐。陽光餐廳和美味餐廳有以下優惠。

Delicious Restaurant
美味餐廳

\$220 each

Each can get the reduce of \$25 when using credit card for payment

每位**\$220**

以信用卡付款，每位可減\$25

(a) If Mr Wong's family had the lunch buffet in Sunny Restaurant, how much should the four of them pay in total?

$$228 \times 3 + 228 \div 2 = 798 \quad [4 \text{ marks}]$$

The four of them should pay \$798.

(b) If Mr Wong's would pay by credit card, at which restaurant should they have the lunch buffet so as to pay less? How much less can they pay? (Give the answer only)

Delicious, 18 [3 marks]

At Delicious Restaurant, they should pay:

$$(220 - 25) \times 4 = \$780,$$

$$798 - 780 = 18$$

(a) 如果黃先生一家在陽光餐廳吃自助午餐，他們四人共須付多少？ [4分]

$$228 \times 3 + 228 \div 2$$

$$= 798$$

他們四人共須付\$798。

(b) 如果黃先生將會以信用卡付費，他們應該在哪一間餐廳吃自助午餐才可付較少？少多少？（只須寫出答案）

[3分]

美味，18

在美味餐廳，他們須付：

$$(220 - 25) \times 4 = \$780,$$

$$798 - 780 = 18$$

34. Amy used 16 equilateral triangles of the same size to form the shapes in Figure 1 and 2.

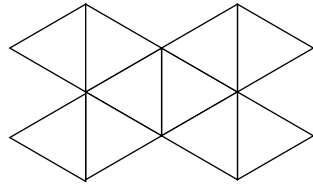


Figure 1
圖一

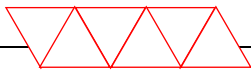
(a) If the perimeter of Figure 2 is 24cm shorter than that of Figure 1, what is the perimeter of Figure 2? [4 marks]

$$24 \div (12 - 8) \times 8 = 48$$

The perimeter of Figure 2 is 48cm.

(b) If the Figure 2 is changed into a quadrilateral, what kind of quadrilateral should be obtained? (Give the answer only) [2 marks]

Parallelogram



34. 夢珊用 16 個大小相同的等邊三角形組成圖一及圖二的形狀。

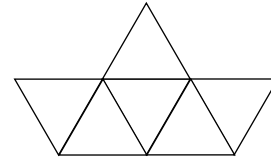


Figure 2
圖二

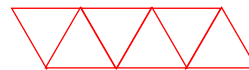
(a) 如果圖二的周界比圖一的周界短 24 cm，圖二的周界是多少？ [4 分]

$$24 \div (12 - 8) \times 8 = 48$$

圖二的周界是 48cm。

(b) 如果把圖二改拼成一個四邊形，可以得到哪種四邊形？(只須寫出答案) [2 分]

平行四邊形



35. The daily rent for a booth at the flea market is \$90.

(a) Eric has \$285. How many days can he rent a booth at most?

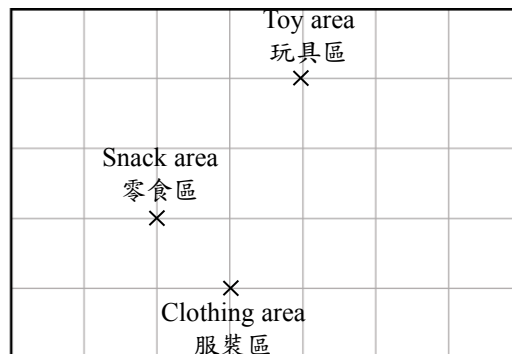
$$\begin{aligned} 285 \div 90 \\ = 3 \cdots 15 \end{aligned} \quad [4 \text{ marks}]$$

He can rent a booth for 3 days at most.

(b) The serial numbers of Eric's booth was a 2-digit number. The number was a multiple of 14 and divisible by 10. What was the serial number of that booth? (Give the answer only)

70
The multiples of 14 are 14, 28, 42, 56, 70, 84, 98, 112,..... [2 marks]

An integer whose units digit is 0 is divisible by 10.



(c) According to the above floor plan of the flea market, the clothing area was in the southwest of the snack area. If Eric wanted to go to the toy area from the snack area, in which direction should he go? (Give the answer only)

southeast [2 marks]

35. 跳蚤市場一個攤位每天的租金是 \$90。

(a) 浩信有 \$285。他最多可以租攤位多少天？ [4 分]

$$\begin{aligned} 285 \div 90 \\ = 3 \cdots 15 \end{aligned}$$

他最多可以租攤位 3 天。

(b) 浩信的攤位的編號是一個兩位數。該數是 14 的倍數，並能被 10 整除。該攤位的編號是什麼？(只須寫出答案) [2 分]

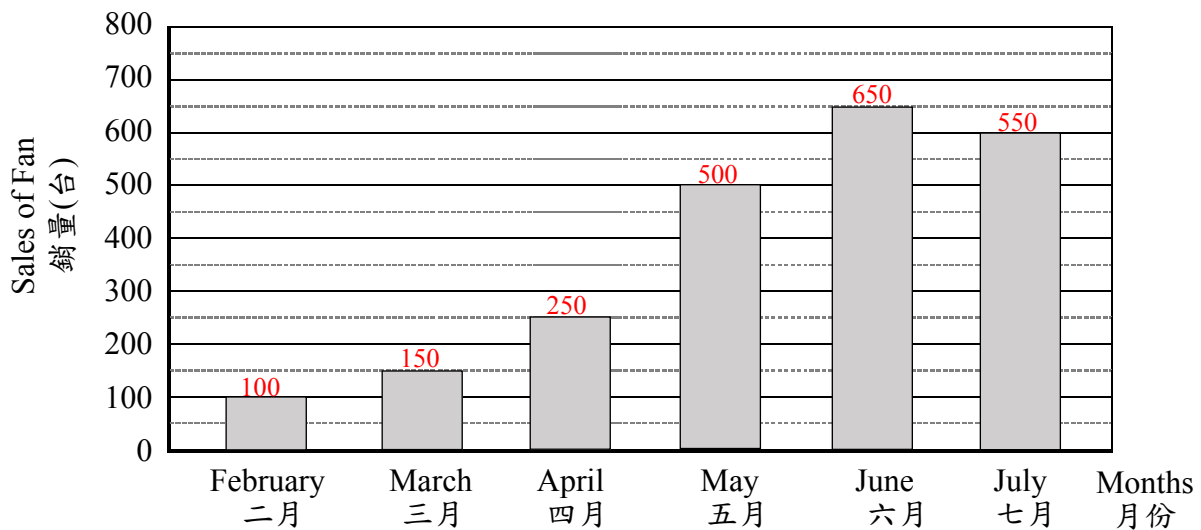
70
14 的倍數有: 14, 28, 42, 56, 70, 84, 98, 112,.....
個位數字為 0 的整數能被 10 整除。

(c) 根據以上跳蚤市場的平面圖，服裝區在零食區的西南方。如果浩信想從零食區走到玩具區，他應該向哪個方向走？(只須寫出答案) [2 分]

東南

Sales of Fan in an Electronics Store in the Past Six Months

某電器店過去六個月風扇的銷量



36. (a) Comparing the sales of fans by month, what was the difference between the greatest and the smallest sales of fans? (Give the answer only) [2 marks]

550
The difference was: $650 - 100 = 550$

- (b) When the difference between the sales of fans in two months was greater than 200, it indicated that there was a significant change in temperature. According to the above graph, in which two consecutive months was there a significant change in the sales of fans?

April, May Explain by using the data.
The sales of fans in April is 250, the sales of fans in May is 500, the difference was: $500 - 250 = 250$, $250 > 200$ [4 marks]

32. (a) 試比較風扇的銷量最多的月份與最少的月份，風扇的銷量相差多少台？(只須寫出答案) [2分]

550
風扇的銷量相差： $650 - 100 = 550$ (台)

- (b) 當兩個相連月份風扇的銷量相差大於 200 台，則表示氣溫有明顯的變化。根據上圖，試用數據解釋在哪兩個相連月份的氣溫有明顯變化。 [4分]

四，五
四月風扇的銷量是 250 台，五月風扇的銷量是 500 台，相差： $500 - 250 = 250$ (台)， $250 > 200$

End of Test Paper
測驗卷完