

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	整數除法(4上)	
4	因數(4上)	
5	公倍數和公因數(4上)	
6	公因數(4上)	
7	小數加法(4下)	
8	小數的認識(4下)	
9	分數加法(4下)	
10	小數加減混合計算(4下)	
11	整數四則混合計算(4下)	
12	同分母分數大小比較(4下)	
13	倍數(4上)	
14	分數加減混合計算(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	圖形的拼砌(4上)	
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)	度量
23	周界(4下)、面積(4下)	
24	周界(4下)	
25	面積(4下)	
26	面積(4下)	
27	面積(4下)	
28	象形圖(2下)	數據處理
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)	分數減法(4下)	數
32(b)	整數四則混合計算(4下)	
33(a)	整數四則混合計算(4下)	
33(b)	四邊形(4上)	圖形與空間
34(a)	周界(4下)	度量
34(b)	圖形的拼砌(4上)	圖形與空間
35(a)	除法(4上)	數
35(b)	整除性(4上)	
35(c)	八個方向(4上)	圖形與空間
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.

SECTION A (60 marks)

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

注意：

部分附圖不依比例繪畫。

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.

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.

2. There are three dozen light bulbs in a box. Each light bulb costs \$45. If Mr Chan wants to buy 12 boxes of light bulbs, how much should he pay?

A. \$540

B. \$1620

C. \$6480

D. \$19 440

2. 一箱燈膽有三打。每個燈膽售 \$45。如果陳先生要買 12 箱燈膽，他須付多少？

A. \$540

B. \$1620

C. \$6480

D. \$19 440

3. It takes a total of 24 minutes to print 504 flyers. How many minutes will it take to print 378 flyers at the same speed?

- A. 21
- B. 19
- C. 18
- D. 17

3. 印製 504 張宣傳單張共需要 24 分鐘，以同樣的速度印製 378 張宣傳單張，要用多少分鐘？

- A. 21
- B. 19
- C. 18
- D. 17

4. One of the following numbers has a different number of factors than the other three numbers. What is the result of adding up all the factors of that number?

9

25

- A. 13
- B. 31
- C. 57
- D. 72

4. 以下四個數中，其中一個數的因數數量和其他三個數不同。該數所有因數相加的結果是多少？

49

55

- A. 13
- B. 31
- C. 57
- D. 72

5. The number on the table is a common multiple of 8 and 12, and it is also a common factor of 48 and 96. Which of the following numbers may be this number?

- A. 16
- B. 36
- C. 48
- D. 96

5. 餐桌上的編號是 8 和 12 的公倍數，也是 48 和 96 的公因數。以下哪個數可能是這個編號？

- A. 16
- B. 36
- C. 48
- D. 96

6. Find the H.C.F. of 56 and 84.

- A. 4
- B. 14
- C. 28
- D. 168

6. 求 56 和 84 的 H.C.F.。

- A. 4
- B. 14
- C. 28
- D. 168

7. Which of the following has the largest value?

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

7. 下列哪一項的值最大？


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

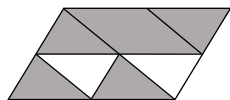
8. The tens digit and tenths digit of a number are '9' and '1' respectively. Which of the following may be this number?

- A. 49.214
- B. 91.222
- C. 494.146
- D. 494.416


8. 一個數的十位數和十分位數分別是 9 和 1。以下哪項可能是這個數？

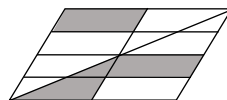
- A. 49.214
- B. 91.222
- C. 494.146
- D. 494.416

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



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

9. 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. $1\frac{1}{8}$
- B. $\frac{3}{4}$
- C. $\frac{1}{2}$
- D. $\frac{3}{8}$

10. Anna reloaded her Octopus with \$200 and used it to pay \$48.9 for buying a hamburger. After the payment, the remaining value in her Octopus was 161.2. What was the value in Anna's Octopus before it was reloaded?

- A. \$10.1
- B. \$38.8
- C. \$112.3
- D. \$151.1

10. 海悅為八達通卡增值\$200，並用它付款\$48.9 購買一個漢堡。付款後，餘額是\$161.2。海悅的八達通卡在增值前的金額是多少？

- A. \$10.1
- B. \$38.8
- C. \$112.3
- D. \$151.1

11. 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
- B. \$640
- C. \$480
- D. \$360

11. 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
- B. \$640
- C. \$480
- D. \$360

<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 B. 22 C. 25 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 B. 22 C. 25 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 B. 3, 56 C. 6, 7 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 B. 3, 56 C. 6, 7 D. 4, 16</p>

14. Lida has $\$36\frac{3}{10}$. she has $\$5\frac{1}{10}$ more than Jena. what is the total amount for both of them?

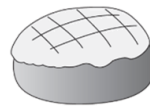
- A. $\$77\frac{7}{10}$
- B. $\$67\frac{1}{2}$
- C. $\$41\frac{2}{5}$
- D. $\$31\frac{1}{5}$

14. 玲玲有 $\$36\frac{3}{10}$ ，她比珍珍多 $\$5\frac{1}{10}$ 。兩人共有款項多少？

- A. $\$77\frac{7}{10}$
- B. $\$67\frac{1}{2}$
- C. $\$41\frac{2}{5}$
- D. $\$31\frac{1}{5}$



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
- 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？

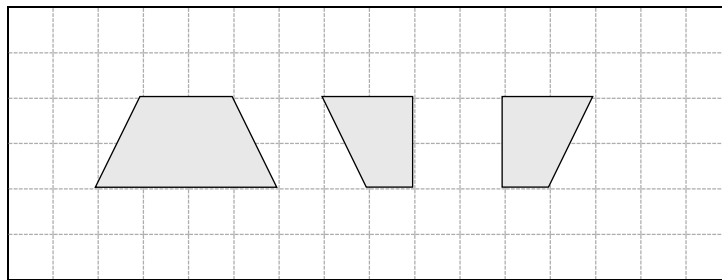
- A. \$3.6
- B. \$3.9
- C. \$5.8
- D. \$7.8

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
- B. 19
- C. 20
- 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
- B. 19
- C. 20
- D. 25



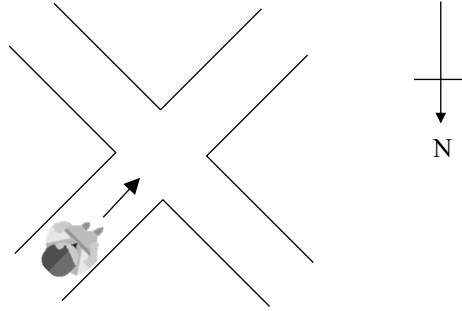
17. Which of the following shapes can be formed by using all the above figures?

- I. hexagon
 - II. rectangle
 - III. rhombus
- A. I and II only
 - B. I and III only
 - C. II and III only
 - D. I, II and III

17. 用以上所有圖形，可以拼出以下哪些圖形？

- I. 六邊形
 - II. 長方形
 - III. 菱形
- A. 只有 I 及 II
 - B. 只有 I 及 III
 - C. 只有 II 及 III
 - D. I、II 及 III

<p>18. Annie drew a straight line on a rectangle paper and 2 trapeziums were obtained. Which descriptions in the following must be correct?</p> <p>I. There are two right angles in each of the trapeziums.</p> <p>II. The perimeter of two trapeziums were equal.</p> <p>III. There was an obtuse angle in each of the trapeziums.</p> <p>A. I and II only</p> <p>B. I and III only</p> <p>C. II and III only</p> <p>D. I, II and III</p>	<p>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？</p> <p>I. 兩個梯形各有兩隻直角。</p> <p>II. 兩個梯形的周界相等。</p> <p>III. 兩個梯形各有一隻鈍角。</p> <p>A. 只有 I 及 II</p> <p>B. 只有 I 及 III</p> <p>C. 只有 II 及 III</p> <p>D. I、II 及 III</p>
<p>19. Which of the following descriptions about isosceles right-angled triangles is incorrect?</p> <p>A. A square can be formed by fitting 2 isosceles right-angled triangles of the same size.</p> <p>B. A trapezium can be formed by fitting 3 isosceles right-angled triangles of the same size.</p> <p>C. A triangle can be formed by fitting 4 isosceles right-angled triangles of the same size.</p> <p>D. A parallelogram can be formed by fitting 5 isosceles right-angled triangles of the same size.</p>	<p>19. 下列哪一項有關等腰直角三角形的描述是錯誤的？</p> <p>A. 兩個大小相同的等腰直角三角形可以拼出一個正方形。</p> <p>B. 三個大小相同的等腰直角三角形可以拼出一個梯形。</p> <p>C. 四個大小相同的等腰直角三角形可以拼出一個三角形。</p> <p>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。</p>

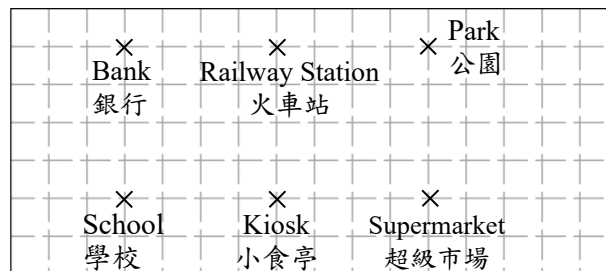


20. In the above figure, when Ken arrives at the junction, he will turn left and walk on. In which direction will he walk then?

- 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

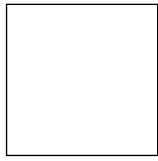


21. If the Railway Station is in the northeast of the Kiosk, what is in the west of the Railway station?

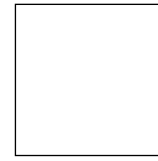
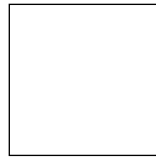
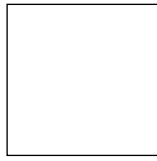
- A. Bank
- B. Park
- C. School
- D. Supermarket

21. 如果火車站在小食亭的東北方。火車站的西方是什麼地方？

- A. 銀行
- B. 公園
- C. 學校
- D. 超級市場



5cm



22. A new figure can be formed by using the above 4 squares of the same size together. What is the shortest perimeter of the new figure?

- A. 20cm
- B. 40cm
- C. 50cm
- D. 100cm

22. 用以上4個大小都相同的正方形拼合成一個新的圖形。新圖形的周界最短是多少？

- A. 20cm
- B. 40cm
- C. 50cm
- D. 100cm

23. 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

23. 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
-

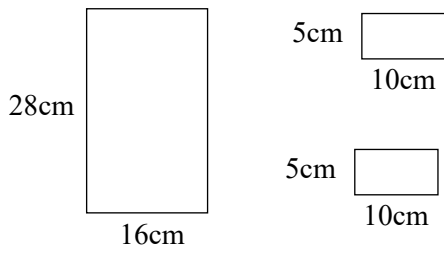


Figure 1

圖一



Figure 2

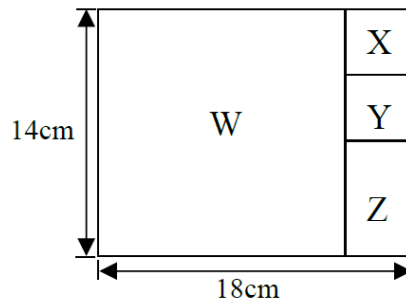
圖二

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

- A. 108cm
- B. 114cm
- C. 136cm
- D. 148cm

24. 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
- B. 114cm
- C. 136cm
- D. 148cm

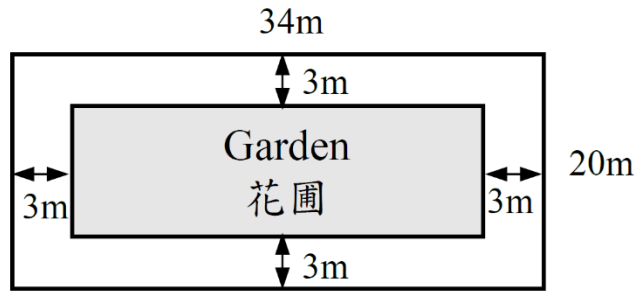


25. In the above figure, W, X and Y are squares. Find the area of Z.

- A. 24cm^2
- B. 32cm^2
- C. 124cm^2
- D. 252cm^2

25. 在上圖，W，X和Y是正方形。求Z的面積。

- A. 24cm^2
- B. 32cm^2
- C. 124cm^2
- D. 252cm^2

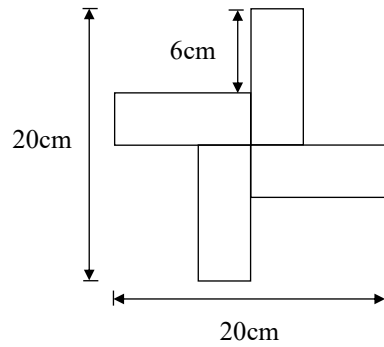


26. A rectangular garden is in the centre of a piece of rectangular land of length 34m and width 20m, as shown above. The weeding fee for the garden is \$22 per m^2 . What is the weeding fee in total?

- A. \$392
- B. \$6336
- C. \$8624
- D. \$9680

26. 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
- B. \$6336
- C. \$8624
- D. \$9680



27. The above figure is formed by 4 rectangles of the same size and same shape, what is its area?

- A. 40cm^2
- B. 160cm^2
- C. 200cm^2
- D. 240cm^2

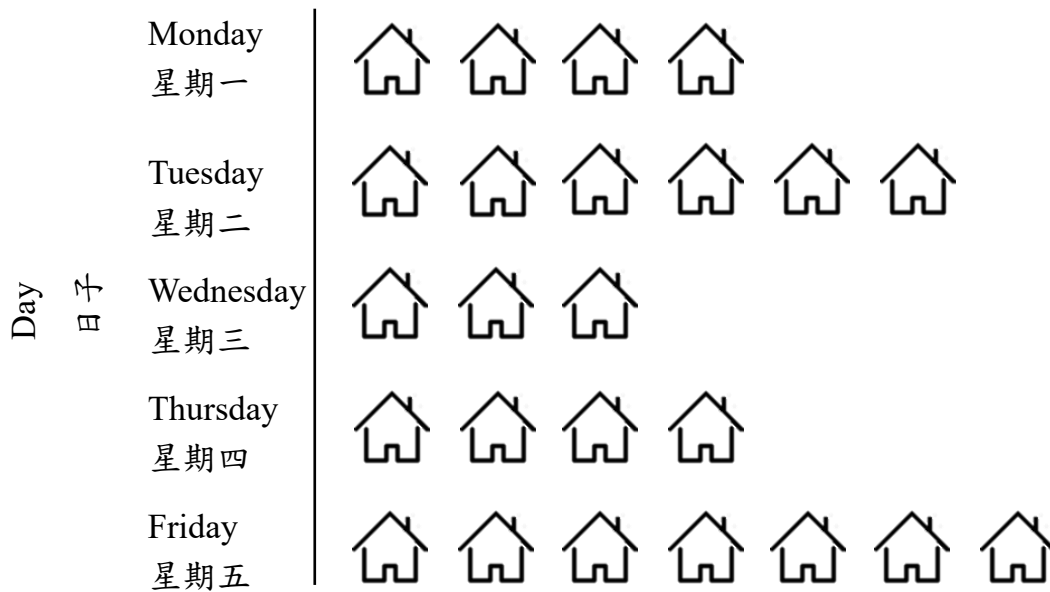
27. 上圖由 4 個大小和形狀相同的長方形組成，它的面積是多少？

- A. 40cm^2
- B. 160cm^2
- C. 200cm^2
- D. 240cm^2

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

Each  stands for 1 room
每個  代表 1 間房間



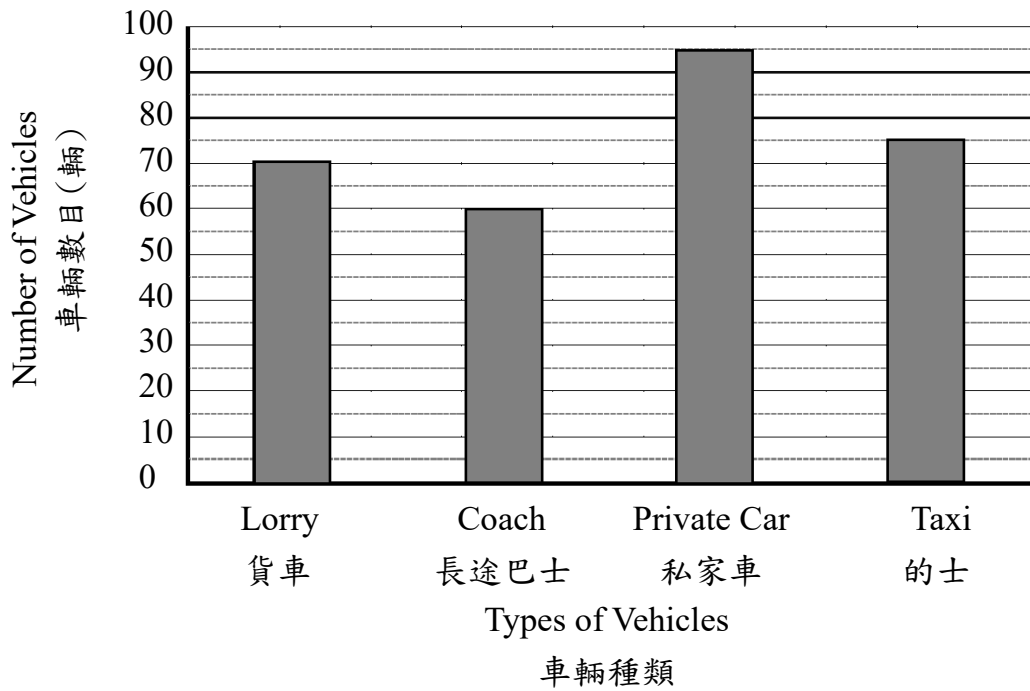
28. If the rental fee of each room is \$150 each day, how much could the hotel get from renting rooms in the past five days?

- A. \$750
- 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
- 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?

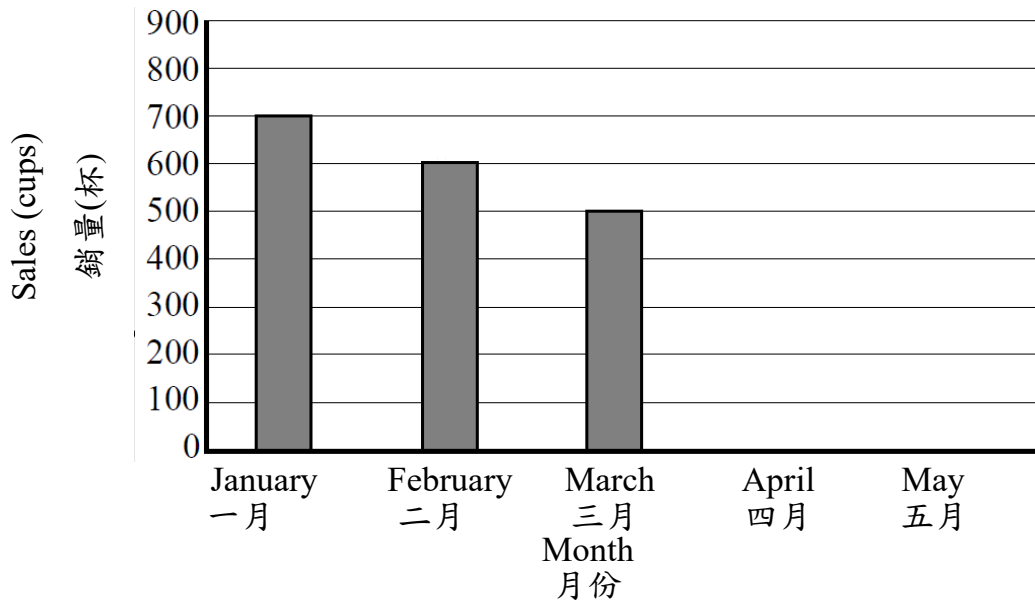
- A. 3
- B. 4
- C. 5
- D. 6

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

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
- B. 600
- C. 900
- D. 1200

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
- B. 600
- C. 900
- D. 1200

End of Section A

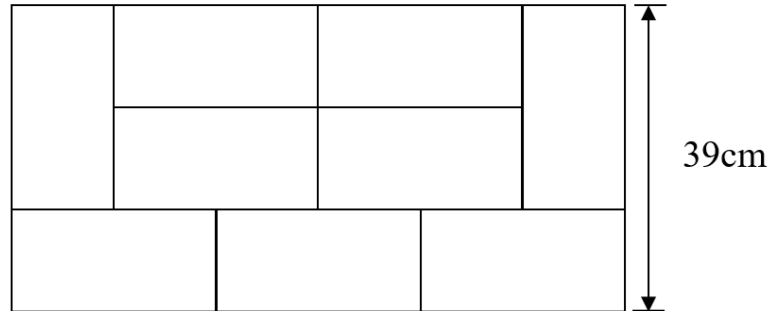
甲部完

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) [2 marks]

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

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) [2 分]

(b) 整個圖形的面積是多少？ [4 分]

32. (a) Mr Lee decided to run for 5 hours a week. He ran for $\frac{5}{8}$ hours and $1\frac{1}{8}$ hours in the first day and the second day respectively. In the remaining days, how long did he need to run at least? [4 marks]

(b) Mr Lee ran for 70km and 95 km last week and this week respectively. He consumed 900 kilocalories of energy for each 15km running. In these two weeks, how many kilocalories of energy did Mr Lee consume by running in total? [4 marks]

32. (a) 李先生決定一個星期跑步 5 小時。他在第一天和第二天分別跑了 $\frac{5}{8}$ 小時和 $1\frac{1}{8}$ 小時。在餘下的日子，他最少須跑多少小時？ [4 分]

(b) 李先生上個星期和這個星期分別跑步 70km 和 95km。他每跑步 15km 消耗 900 千卡熱量。在這兩個星期，李先生跑步共消耗熱量多少千卡？ [4 分]

33. (a) Carol had 14 packs of sticks. There were 64 sticks in each pack and half of them were 25cm in length. How many sticks with 25cm in length did she have? [4 marks]

(b) Carol wanted to use the sticks with 25cm to form a rhombus. On the answer sheet, complete this rhombus. [2 marks]

33. (a) 書藝有 14 包膠棒。每包有 64 枝膠棒，其中一半膠棒的長度是 25cm。她有長度是 25cm 的膠棒多少枝？ [4 分]

(b) 書藝打算用 25cm 的膠棒組成一個菱形。在答題紙上，完成這個菱形。 [2 分]

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

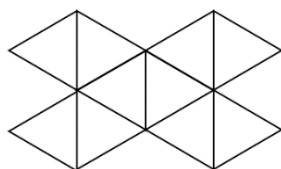


Figure 1
圖一

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

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

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。

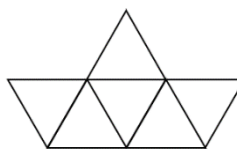


Figure 2
圖二

(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]

(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]

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

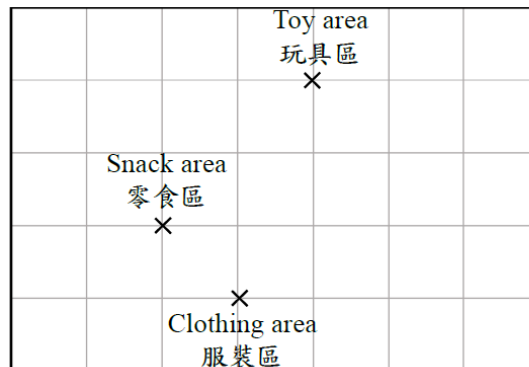
(a) Eric has \$285. How many days can he rent a booth at most?
[4 marks]

(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)
[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]

(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]

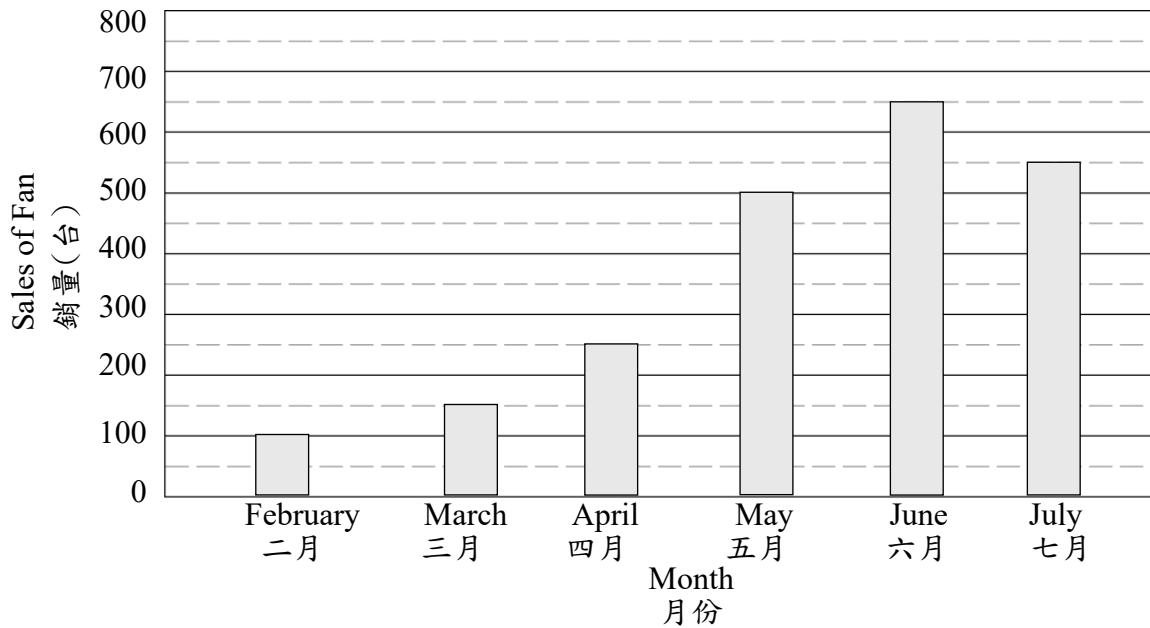


(c) According to the above floor plan of the flea market, the clothing area was in the southwest of the snack area. If Eric wanted to go to the toy area from the snack area, in which direction should he go? (Give the answer only) [2 marks]

(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]

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]

(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? Explain by using the data. [4 marks]

36. (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]

(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]

End of Test Paper
測驗卷完