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)	
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)	數
10	小數的認識(4下),	
10	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)	
18	圖形的分割(4上)	
19	三角形三邊的關係(3下)	圖形與空間
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)		
23	周界(4下)	度量	
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)	數據處理	
30	棒形圖(4下)		
31(a)	周界(4下)	度量	
31(b)	面積(4下)	及里	
32(a)	小數加法(4下)		
32(b)	小數加減混合計算(4下)	數	
33(a)	四則混合計算(4下)		
33(b)	乘减混合計算(3下)		
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)	画	
35(b)	整除性(4上)	數	
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)	双顶风	

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.

學牛須知:

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。
- 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書。

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. 2 1 is a 3-digit number. When it is divided by 18, the remainder is 16. Which of the following is ?
 - A. 2
 - B. 4
 - C. 6
 - D. 8

- - A. 2
 - B. 4
 - C. 6
 - D. 8

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

- **2.** 27 students subscribe magazine according to the above plan, how much should the pay in total?
 - A. \$8100
 - B. \$540
 - C. \$405
 - D. \$300

- 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

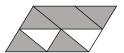
3. The shoe store has 18 shelves.	3. 鞋佔有 18 個資架。母個資架有
Each shelf has 9 levels and each	9層,每層有12雙鞋子,鞋店
level has 12 pairs of shoes, how	共有鞋子多少雙?
many pairs of shoes does the shoe	
store have?	
A. 162	A. 162
B. 216	B. 216
C. 1494	C. 1494
D. 1944	D. 1944
4. A company will distribute 4	4. 某公司將向 164 名員工每人派
notebooks to each of 164	發 4 本筆記簿,但只準備了
employees. But it has only	500 本筆記簿。該公司還需要
prepared 500 notebooks. How	筆記簿多少本?
many more notebooks does the	
company need?	
A. 1156	A. 1156
B. 656	B. 656
C. 156	C. 156
D. 127	D. 127
5. Find the H.C.F. of 56 and 84.	5. 求 56 和 84 的 H.C.F.。
A. 4	A. 4
B. 14	B. 14
C. 28	C. 28
D. 168	D. 168

- **6.** What is the result of adding up all the factors of 44?
 - A. 84
 - B. 83
 - C. 69
 - D. 39

- **6.** 把 44 的所有因數相加的結果是 多少?
 - A. 84
 - B. 83
 - C. 69
 - 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? 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. $1\frac{1}{8}$



- 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.
$$5.5 + 5 + 0.05$$

B.
$$55 + 5.05 + 0.05$$

C.
$$55 + 5.05 + 0.5$$

D.
$$55 + 0.5 + 0.55$$

8. 下列哪一項的值最大?

A.
$$5.5 + 5 + 0.05$$

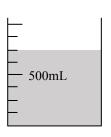
B.
$$55 + 5.05 + 0.05$$

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



- **10.** In the above figure, how much water is there in the container?
 - A. 875mL
 - B. 750mL
 - C. 625mL
 - D. 125mL

- 10. 在上圖,容器中有水多少?
 - A. 875mL
 - B. 750mL
 - C. 625mL
 - D. 125mL

- **11.** Which of the following numbers is divisible by 3?
 - A. 7298
 - B. 7300
 - C. 7303
 - D. 7305

- 11. 下列哪一個數能被3整除?
 - A. 7298
 - B. 7300
 - C. 7303
 - D. 7305

- 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?
 - A. 20
 - B. 22
 - C. 25
 - D. 27

- 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?
 - A. 20
 - B. 22
 - C. 25
 - D. 27
- **13.** The fourth common multiple of two numbers is 168. Which of the following groups of numbers may be these two numbers?
 - A. 21, 84
 - B. 3, 56
 - C. 6, 7
 - D. 4, 16

- 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?
 - A. 21, 84
 - B. 3, 56
 - C. 6, 7
 - D. 4, 16

- 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?
- 14. 某數是 2109.457,但是<u>家雯</u>卻 誤把百分位和十分位的數字互 換了。以下哪一個是<u>家雯</u>寫的 數?

- A. 2019.457
- B. 2109.547
- C. 2109.754
- D. 2159.407

- A. 2019.457
- B. 2109.547
- C. 2109.754
- D. 2159.407



Each \$12.50 每個



Each \$8.60 每個

- 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
- 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 rightangled triangles of the same size.

- 16. <u>傑銘</u>有\$5 和\$10 的代用券共 29 張,它們總值\$190。如果 <u>傑銘</u>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.** 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。

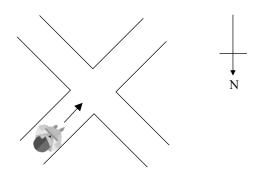
- **18.** Anne drew a straight line on a rectangle paper and 2 trapeziums were obtained. Which descriptions in the following must be correct?
 - I. There are two right angles in each of the trapeziums.
 - II. The perimeter of two trapeziums were equal.
 - III. There was an obtuse angle in each of the trapeziums.
 - A. I and II only
 - B. I and III only
 - C. II and III only
 - D. I,II and III

- 18. <u>佳敏</u>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
 - D. isosceles right-angled triangle

- **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



- **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

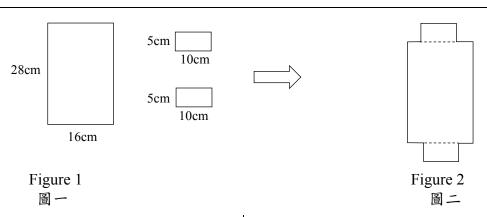
- 20. 上圖中,當<u>青鋒</u>步行到分岔路口時,他會轉左繼續步行。即他向哪一方繼續步行?
 - A. 東南
 - B. 西南
 - C. 東北
 - D. 西北

米 Bank 銀行	Railway Station 鐵路站	× Park 公園
×	×	
School 學校	Kiosk 小食亭	Supermarket 超級市場

- **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. 36cm²
 - B. 72cm²
 - C. 162cm²
 - D. 288cm²

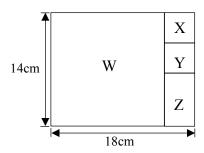
- 22. 長方形的周界是 36cm。如果長度是闊度的 2 倍,這個長方形的面積是多少?
 - A. 36cm²
 - B. 72cm²
 - C. 162cm²
 - D. 288cm²



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

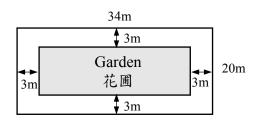
- A. 108cm
- B. 114cm
- C. 136cm
- D. 148cm

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



- **24.** In the above figure, W, X and Y are | **24.** 在上圖, W, X和Y是正方 squares. Find the area of Z.
 - A. 24cm²
 - B. 32cm²
 - C. 124cm²
 - D. 252cm²

- 形。求乙的面積。
 - A. 24cm²
 - B. 32cm²
 - C. 124cm²
 - D. 252cm²

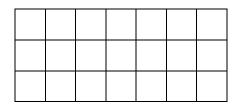


25. A rectangular garden is in the centre of a piece of rectangular land of length 34m and width 20m, as shown above. The weeding fee for the garden is \$22 per m². What is the weeding fee in total?



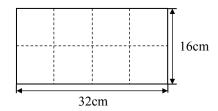
- B. \$6336
- C. \$8624
- D. \$9680

- 25. 一塊長 34m,闊 20m 的長方形 土地中間有一個長方形花圃, 如上圖所示。花圃的除草費用 是每平方米\$22,除草的總費 用是多少?
 - A. \$392
 - B. \$6336
 - C. \$8624
 - D. \$9680

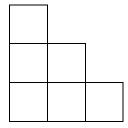


- **26.** The above figure is formed by 21 squares of the same size. The area of one square is 36cm^2 . What is the perimeter of the above figure?
 - A. 60cm
 - B. 120cm
 - C. 252cm
 - D. 504cm

- 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 36cm²。上圖的周界是多少?
 - A. 60cm
 - B. 120cm
 - 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。<u>佳佳</u>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
- B. 64cm
- C. 84cm
- D. 96cm

- A. 48cm
- B. 64cm
- 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

Each stands for 1 room 每個 代表 1 間房間

Monday 星期一 Tuesday 星期二 公公公公公公

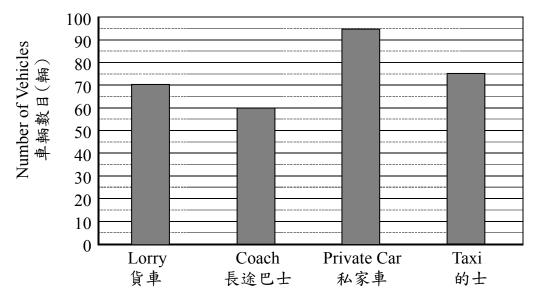
Day E 7

Wednesday 星期三 Thursday 星期四 Friday 星期五

- 公公公公公公公
- 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

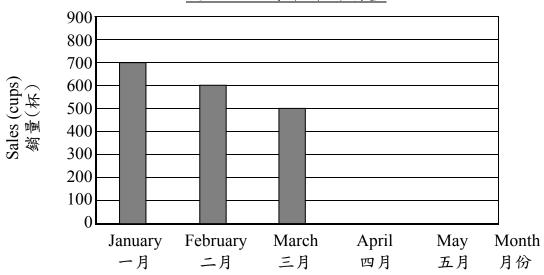


Types of Vehicles 車輛種類

- **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

多少杯?

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

B. 600

C. 900

D. 1200



B. 600

C. 900

D. 1200

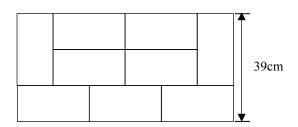
End of Section A 甲部完

SECTION B (40 marks)

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

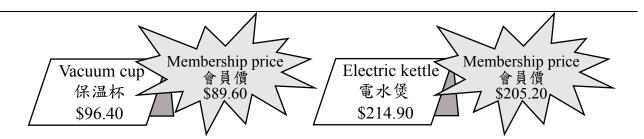
乙部 (40分)

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) [3marks]
 - **(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) [3分]
 - (b) 整個圖形的面積是多少? [4分]



- 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]
 - (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]

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]
- (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]

- 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.
- 33. <u>黄</u>先生計劃與妻子及兩位兒子 去吃自助午餐。<u>陽光餐廳和美</u> <u>味餐廳</u>有以下優惠。

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

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

 [4 marks]
- (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)

 [3 marks]

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) 如果<u>黄</u>先生一家在<u>陽光餐廳</u> 吃自助午餐,他們四人共須 付多少? [4分]
- (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]

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

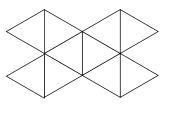
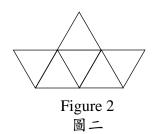


Figure 1 圖一

- (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. <u>夢珊</u>用 16個大小相同的等邊三 角形組成圖一及圖二的形狀。



- (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]

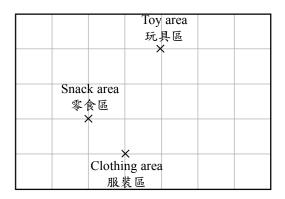
- **35.** The daily rent for a booth at the flea market is \$90.
 - (a) Eric has \$285. How many days can he rent a booth at most?

 [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)

35. 跳蚤市場一個攤位每天的租金是\$90。

- (a) <u>浩信</u>有\$285。他最多可以租 攤位多少天? [4分]
- (b) <u>浩信</u>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]



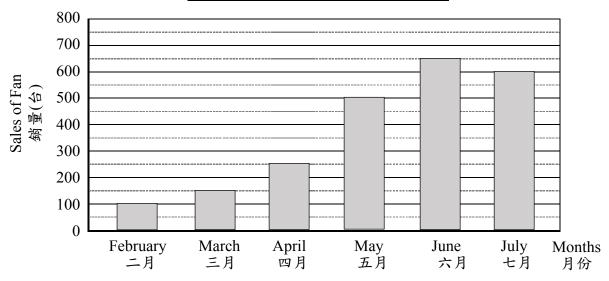
[2 marks]

(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<u>浩信</u>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.
- 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]
 - (b) 當兩個相連月份風扇的銷量 相差大於 200 台,則表示氣 温有明顯的變化。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

[4 marks]