

HONG KONG ATTAINMENT TEST
香港學科測驗

Mathematics 數學

Primary 5 五年級

Mock Paper of the Latest Question Types
最新題型增值卷

題號	學習重點	範疇	題號	學習重點	範疇
1	多位數(5上)	數	24	周界(4下)、面積(4下)	度量
2	小數乘法(5下)		25	面積(5上)	
3	乘法(4上)		26	體積(5下)	
4	除法(4上)		27	象形圖(2下)	數據處理
5	乘減混合計算(3下)		28	複合棒形圖(5上)	
6	異分母分數減法(5上)		29	棒形圖(3下)	代數
7	同分母分數加法(3下)		30	簡易方程(5上)	
8	倍數和因數(4上)		31(a)	代數式(5下)	代數
9	公倍數和公因數(4上)		31(b)	簡易方程(5下)	
10	分數乘法(5上)		32(a)	分數四則混合計算(5下)	數
11	分數除法(5下)		32(b)	體積(5下)	度量
12	整數四則混合計算(4下)		33(a)	分數四則混合計算(5下)	數
13	分數的大小比較(5上)		33(b)	分數的大小比較(5上)	
14	分數加減混合計算(5上)		34(a)	複合棒形圖(5上)	數據處理
15	四邊形的特性(4上)	34(b)	複合棒形圖(5上)		
16	圖形的拼砌(4上)	34(c)	複合棒形圖(5上)		
17	圓的認識(5下)	圖形與空間	35(a)	周界(4下)	度量
18	八個方向(4上)		35(b)	面積(4下)	
19	八個方向(4上)	度量	36(a)	摺紙圖樣(5下)	圖形與空間
20	面積(5上)		36(b)	立體圖形的特性(5下)	
21	體積(5下)		36(c)	分數乘法(5上)	數
22	面積(4下)、面積(5上)				
23	面積(4下)				

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。

Fruit Subscription Plan 水果訂購計劃	
Price per box 每盒售價 \$36	Total number of subscription days 總訂購天數 18

3. Mrs Ho has three children. If she subscribes fruit to all children according to the above plan, how much should she pay in total?

- A. \$108 *She should pay
36×18×3
= \$1944*
- B. \$648
- C. \$1544
- D. \$1944**

3. 何太太有三個子女。如果她給全部子女根據以上計劃訂購水果，她共須付款多少？

- A. \$108 *她共須付款
36×18×3
= \$1944*
- B. \$648
- C. \$1544
- D. \$1944**

4. Each plate can hold 13 dumplings. The chef made 186 dumplings. How many plates did the chef need at least in order to hold all the dumplings?

- A. 13 *186÷13
= 14(plates)...4(dumplings)
15 plates were needed at least.*
- B. 14
- C. 15**
- D. 16

4. 每個盤子可裝 13 個餃子。廚師製作了 186 個餃子，最少需要盤子多少個才能裝完所有餃子？

- A. 13 *186÷13
= 14(個)...4(個)
最少需要盤子 15 個。*
- B. 14
- C. 15**
- D. 16

5. A school will distribute 2 boxes of mooncakes to each teacher to celebrate Mid-Autumn Festival. There are 76 teachers in the school but only has 98 boxes of mooncakes. How many more boxes of mooncakes does the school need?

- A. 152 The school needs
 $2 \times 76 - 98$
B. 54 = 54(boxes)
 C. 27
 D. 22

5. 學校為慶祝中秋節，將向每位老師派發 2 盒月餅。學校共有 76 位老師，但只準備了 98 盒月餅。學校還需要月餅多少盒？

- A. 152 學校還需要月餅
 $2 \times 76 - 98$
B. 54 = 54(盒)
 C. 27
 D. 22

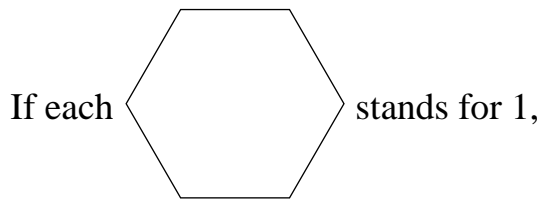
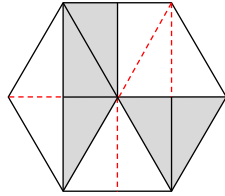
6. There were $2\frac{3}{4}$ kg of chicken in the fridge originally. After Miss Chan used $\frac{2}{5}$ kg and $\frac{1}{2}$ kg to cook lunch and dinner, how much chicken was left?

- A. $\frac{17}{20}$ kg $2\frac{3}{4} - \frac{2}{5} - \frac{1}{2}$
 $= 1\frac{17}{20}$
 B. $1\frac{13}{20}$ kg $1\frac{17}{20}$ kg of chicken was left.
C. $1\frac{17}{20}$ kg
 D. $2\frac{17}{20}$ kg

6. 冰箱裏原有 $2\frac{3}{4}$ kg 雞肉。陳小姐用 $\frac{2}{5}$ kg 和 $\frac{1}{2}$ kg 去烹飪午餐和晚餐後，還餘下雞肉多少？

- A. $\frac{17}{20}$ kg $2\frac{3}{4} - \frac{2}{5} - \frac{1}{2}$
 $= 1\frac{17}{20}$
 B. $1\frac{13}{20}$ kg 還餘下雞肉 $1\frac{17}{20}$ kg。
C. $1\frac{17}{20}$ kg
 D. $2\frac{17}{20}$ kg

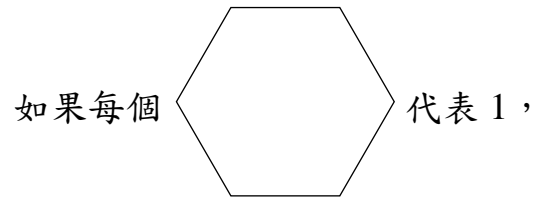
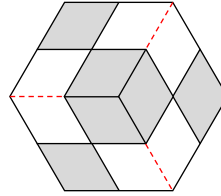
7. The following figures are two regular hexagons of the same size.



what is the value of the sum of the shaded parts?

- A. $1\frac{7}{24}$ $\frac{5}{12} + \frac{6}{12} = \frac{11}{12}$
- B.** $\frac{11}{12}$
- C. $\frac{11}{24}$
- D. $\frac{1}{12}$

7. 下圖是兩個大小相同的正六邊形。



陰影部分相加後代表的值是多少？

- A. $1\frac{7}{24}$
- B.** $\frac{11}{12}$
- C. $\frac{11}{24}$
- D. $\frac{1}{12}$

8. What is the result of adding up all the factors of 35?

- A. 12 The factors of 35 are 1, 5, 7 and 35.
- B. 13 $1 + 5 + 7 + 35 = 48$
- C. 47
- D.** 48

8. 把 35 的所有因數相加的結果是多少？

- A. 12 35 的因數有：1、5、7 和 35。
- B. 13 $1 + 5 + 7 + 35 = 48$
- C. 47
- D.** 48

9. Find the H.C.F. of 60 and 108.

- A. 4 $2 \overline{) 60 \quad 108}$
B. 6 $2 \overline{) 30 \quad 54}$
C. 12 $3 \overline{) 15 \quad 27}$
 $5 \quad 9$
D. 18 The H.C.F. of 60 and 108 is:
 $2 \times 2 \times 3 = 12$

9. 求 60 和 108 的 H.C.F.。

- A. 4 $2 \overline{) 60 \quad 108}$
B. 6 $2 \overline{) 30 \quad 54}$
C. 12 $3 \overline{) 15 \quad 27}$
 $5 \quad 9$
D. 18 60 和 108 的 H.C.F. 是：
 $2 \times 2 \times 3 = 12$

10. There are 96 buttons in each pack, $\frac{7}{12}$ of the buttons are red. How many red buttons are there in total if there are 14 packs?

- A. 40 $96 \times \frac{7}{12} \times 14$
 $= 784$
B. 56 There are 784 red buttons in total.
C. 560
D. 784

10. 每包鈕扣有 96 粒，其中 $\frac{7}{12}$ 是紅色的。如果現有 14 包鈕扣，共有紅色鈕扣多少粒？

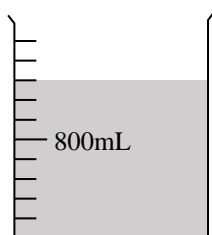
- A. 40 $96 \times \frac{7}{12} \times 14$
 $= 784$
B. 56 共有紅色鈕扣 784 粒。
C. 560
D. 784

11. A wire is $38\frac{4}{5}$ m long. If the wire is cut into pieces of $2\frac{1}{4}$ m long, how many pieces of wire in equal length can be cut out at most?

- A. 16 $38\frac{4}{5} \div 2\frac{1}{4}$
B. 17 $= 17\frac{11}{45}$
 17 pieces of wire in equal length
 can be cut out at most.
C. 19
D. 20

11. 一條長 $38\frac{4}{5}$ m 的鐵線，如果把它每 $2\frac{1}{4}$ m 剪成一段，最多可剪成多少段長度相等的鐵線？

- A. 16 $38\frac{4}{5} \div 2\frac{1}{4}$
B. 17 $= 17\frac{11}{45}$
 最多可剪成 17 段長度
 相等的鐵線。
C. 19
D. 20



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

- A. 160mL *There is*
 $800 \div 5 \times 8$
 B. 480mL $= 1280(\text{mL})$
- C. 1000mL
- D. 1280mL**

12. 上圖中，容器內有水多少？

- A. 160mL *容器內有水*
 $800 \div 5 \times 8$
 B. 480mL $= 1280(\text{mL})$
- C. 1000mL
- D. 1280mL**

13. Arrange the following three numbers from the smallest to the largest:

$$\frac{32}{9}, 4, 3\frac{7}{12}$$

- A. $\frac{32}{9} < 4 < 3\frac{7}{12}$ $\frac{32}{9} = 3\frac{5}{9} = 3\frac{20}{36}$
- B. $\frac{32}{9} < 3\frac{7}{12} < 4$** $3\frac{7}{12} = 3\frac{21}{36}$
 $\frac{32}{9} < 3\frac{7}{12} < 4$
- C. $3\frac{7}{12} < \frac{32}{9} < 4$
- D. $4 < 3\frac{7}{12} < \frac{32}{9}$

13. 把以下三個數由小至大排列：

$$\frac{32}{9}, 4, 3\frac{7}{12}$$

- A. $\frac{32}{9} < 4 < 3\frac{7}{12}$
- B. $\frac{32}{9} < 3\frac{7}{12} < 4$**
- C. $3\frac{7}{12} < \frac{32}{9} < 4$
- D. $4 < 3\frac{7}{12} < \frac{32}{9}$

14. There are $31\frac{3}{4}$ kg of apples in the fruit shop. The apples are $5\frac{2}{5}$ kg heavier than the peaches. What is the total weight of apples and peaches?

- A. $68\frac{9}{10}$ kg The total weight of apples and peaches is
 $31\frac{3}{4} + (31\frac{3}{4} - 5\frac{2}{5})$
 $= 58\frac{1}{10}$ (kg)
- C.** $58\frac{1}{10}$ kg
- D. $57\frac{1}{10}$ kg


14. 水果店有蘋果 $31\frac{3}{4}$ kg，比桃子多 $5\frac{2}{5}$ kg。水果店內共有蘋果和桃子多少？

- A. $68\frac{9}{10}$ kg 水果店內共有蘋果和桃子
 $31\frac{3}{4} + (31\frac{3}{4} - 5\frac{2}{5})$
 $= 58\frac{1}{10}$ (kg)
- C.** $58\frac{1}{10}$ kg
- D. $57\frac{1}{10}$ kg

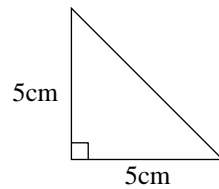
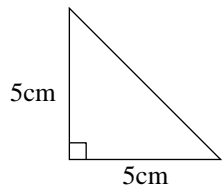
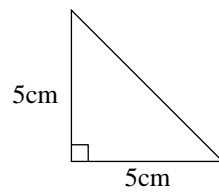
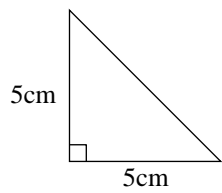
15. Which of the following descriptions about quadrilaterals must be correct?

- I. All rectangles are parallelograms.
- II. There are four equal angles in a rhombus.
- III. A trapezium has only one pair of opposite sides parallel.
- A. I and II only
- B.** I and III only
- C. II and III only
- D. I, II and III

15. 下列哪些關於四邊形的描述必定正確？

- I. 所有長方形皆是平行四邊形
-  II. 菱形的四角相等
- III. 梯形只有一組對邊平行

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



16. Which of the following figures can be formed by using four isosceles right-angled triangles as shown in the above figure?

I. trapezium

II. triangle

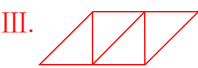
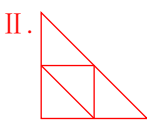
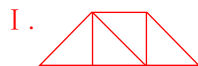
III. parallelogram

A. I only

B. I and III only

C. II and III only

D. I, II and III



16. 用上圖中的四個等腰直角三角形可組成以下哪些圖形？

I. 梯形

II. 三角形

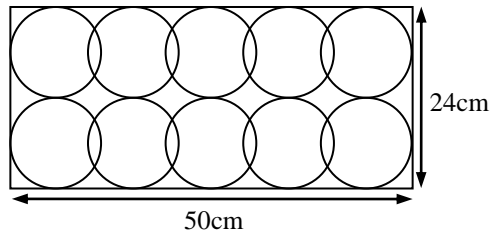
III. 平行四邊形

A. 只有 I

B. 只有 I 及 III

C. 只有 II 及 III

D. I、II 及 III



17. In the above figure, the circles inside the rectangle are of the same size. What is the radius of each circle?

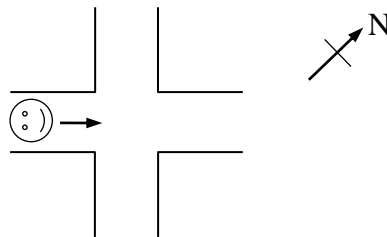
- A. 12cm
- B. 10cm
- C. 6cm**
- D. 5cm

The radius of each circle is
 $24 \div 2 \div 2 = 6(\text{cm})$

17. 上圖中，長方形內所有圓的大小都相同。每個圓的半徑是多少？

- A. 12cm
- B. 10cm
- C. 6cm**
- D. 5cm

每個圓的半徑是
 $24 \div 2 \div 2 = 6(\text{cm})$

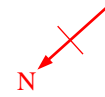
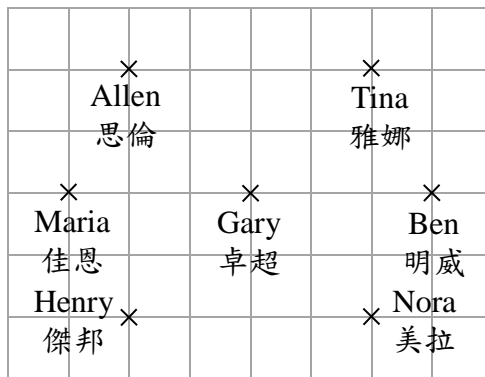


18. In the above figure, when Ben arrives at the junction, he will turn left and walk on. In which direction will he walk then?

- A. south
- B. north
- C. southeast
- D. northwest**

18. 上圖中，當文彬步行至分岔路口時，他會轉左繼續步行，即他向哪一方繼續步行？

- A. 南
- B. 北
- C. 東南
- D. 西北**

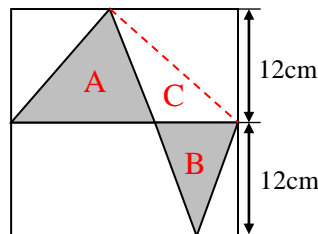


19. If Gary is in the west of Allen, who is in the northeast of Gary?

- A. Tina
- B. Maria**
- C. Ben
- D. Nora

19. 如果卓超在思倫的西方，那麼誰在卓超的東北方？

- A. 雅娜
- B. 佳恩**
- C. 明威
- D. 美拉

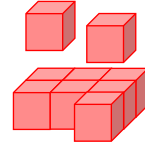
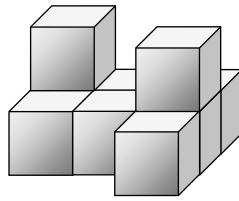


20. In the above square, what is the area of the shaded part?

- A. 288cm^2
 - B. 184cm^2
 - C. 144cm^2**
 - D. 72cm^2
- Triangle B and Triangle C have the same base and height, so they have the same area, so the area of the shaded part is equal to the total area of triangle A and triangle C.
The area of the shaded part is $(12+12)\times 12\div 2 = 144(\text{cm}^2)$

20. 在上圖的正方形中，陰影部分的面積是多少？

- A. 288cm^2
 - B. 184cm^2
 - C. 144cm^2**
 - D. 72cm^2
- 三角形 B 和 C 的底和高相等，所以面積也相等，因此陰影部分的面積等於三角形 A 和 C 的總面積。
陰影部分的面積是 $(12+12)\times 12\div 2 = 144(\text{cm}^2)$



21. The above solid is formed by cubes with side 2cm. What is the volume of the whole solid?

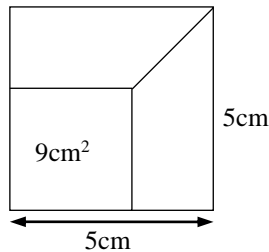
- A. 18cm^3
- B. 36cm^3
- C. 64cm^3
- D. 72cm^3**

The volume of the whole solid is
 $2 \times 2 \times 2 \times 9 = 72(\text{cm}^3)$

21. 以上的立體由多個邊長 2cm 的正方體組成。整個立體的體積是多少？

- A. 18cm^3
- B. 36cm^3
- C. 64cm^3
- D. 72cm^3**

整個立體的體積是
 $2 \times 2 \times 2 \times 9 = 72(\text{cm}^3)$



22. The above figure is formed by a small square and two trapeziums with the same size and shape. What is the area of a trapezium?

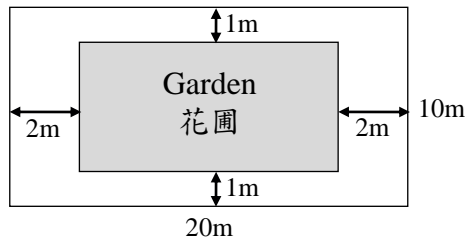
- A. 8cm^2**
- B. 12cm^2
- C. 16cm^2
- D. 32cm^2

$9 = 3 \times 3$
 Each side of the small square is 3cm.
 The area of a trapezium is
 $(3 + 5) \times (5 - 3) \div 2 = 8(\text{cm}^2)$

22. 上圖是由一個小正方形和兩個大小和形狀相同的梯形組成。每個梯形的面積是多少？

- A. 8cm^2**
- B. 12cm^2
- C. 16cm^2
- D. 32cm^2

$9 = 3 \times 3$
 小正方形的邊長是 3cm。
 每個梯形的面積是
 $(3 + 5) \times (5 - 3) \div 2 = 8(\text{cm}^2)$



23. A garden is in the centre of a piece of rectangular grassland of length 20m and width 10m, as shown above. 9 roses can be planted per square meter in the garden, how many roses can be planted in total?

- A. 1800 There are
 $9 \times (20 - 2 - 2) \times (10 - 1 - 1)$
 $= 1152$ (roses)
 B. 1440
C. 1152
 D. 648

23. 一塊長 20m，闊 10m 的長方形草地中間有一個花園，如上圖所示。花園內，每平方米可種植 9 株玫瑰，共可種植玫瑰多少株？

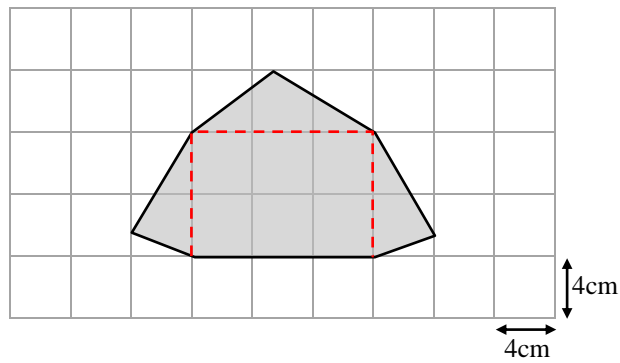
- A. 1800 共可種植玫瑰
 $9 \times (20 - 2 - 2) \times (10 - 1 - 1)$
 $= 1152$ (株)
 B. 1440
C. 1152
 D. 648

24. The perimeter of the rectangle is 56cm. If the length is 3 times the width, what is the area of the rectangle?

- A. 98cm^2 The sum of the length and width of the rectangle is:
 $56 \div 2 = 28(\text{cm})$
B. 147cm^2 The length of a rectangle is 3 times its width, so the sum of the length and width is 4 times the width.
 C. 294cm^2 The width of the rectangle is:
 $28 \div 4 = 7(\text{cm})$
 D. 392cm^2 The area of the rectangle is:
 $(7 \times 3) \times 7 = 147(\text{cm}^2)$

24. 長方形的周界是 56cm。如果長度是闊度的 3 倍，這個長方形的面積是多少？

- A. 98cm^2 長方形的長度與闊度之和是：
 $56 \div 2 = 28(\text{cm})$
B. 147cm^2 長方形的長度是闊度的 3 倍，所以長度和闊度之和是闊度的 4 倍。
 C. 294cm^2 長方形的闊度是：
 $28 \div 4 = 7(\text{cm})$
 D. 392cm^2 長方形的面積是：
 $(7 \times 3) \times 7 = 147(\text{cm}^2)$

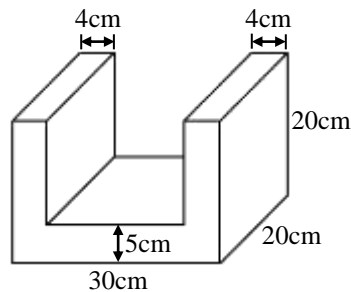


25. In the above figure, what is the area of the shaded part?

- A. 136cm^2 The area of the shaded part is
 $(4 \times 3) \times (4 \times 2) + (4 \times 2) \times 4 \div 2 \times 2$
 $+ (4 \times 3) \times 4 \div 2$
 $= 152(\text{cm}^2)$
- B.** 152cm^2
- C. 176cm^2
- D. 208cm^2

25. 上圖陰影部分的面積是多少？

- A. 136cm^2 陰影部分的面積是
 $(4 \times 3) \times (4 \times 2) + (4 \times 2) \times 4$
 $\div 2 \times 2 + (4 \times 3) \times 4 \div 2$
 $= 152(\text{cm}^2)$
- B.** 152cm^2
- C. 176cm^2
- D. 208cm^2



26. What is the volume of the above solid?

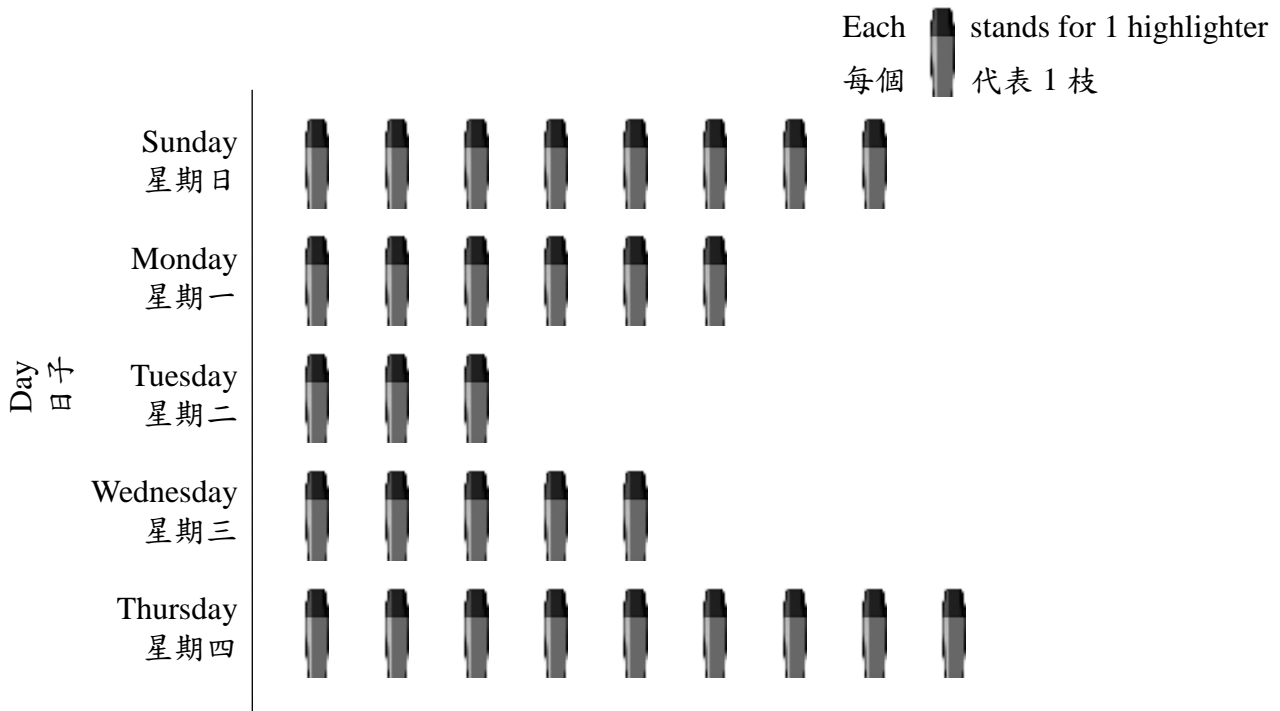
- A. 4200cm^3 The volume is
 $30 \times 20 \times 20 - (30 - 4 - 4)$
 $\times 20 \times (20 - 5)$
 $= 5400(\text{cm}^3)$
- C.** 5400cm^3
- D. 6000cm^3

26. 上圖立體的體積是多少？

- A. 4200cm^3 體積是
 $30 \times 20 \times 20 - (30 - 4 - 4)$
 $\times 20 \times (20 - 5)$
 $= 5400(\text{cm}^3)$
- C.** 5400cm^3
- D. 6000cm^3

Sales of Highlighters in a Stationery Shop in the Past Five Days

文具店過去五天熒光筆的銷量



27. Each highlighter cost \$18.

According to the above chart, how much could the stationery shop get from the sales of highlighters in the past five days?

- A. \$504
- B. \$522
- C. \$540
- D. \$558**

The stationery shop could get
 $18 \times (8 + 6 + 3 + 5 + 9)$
 $= \$558$

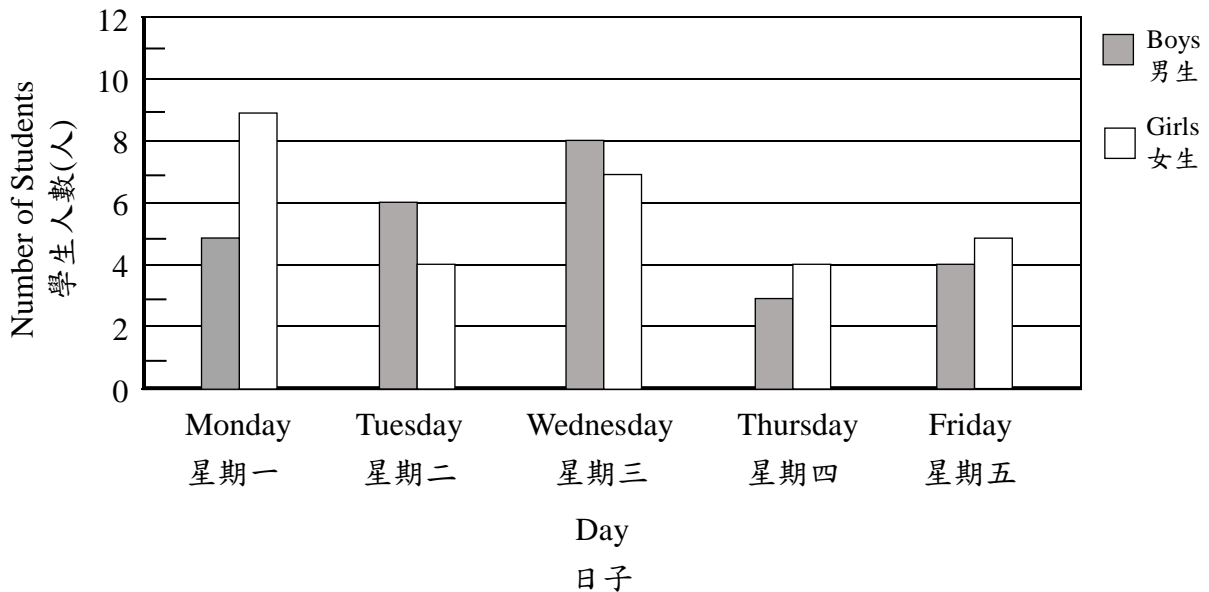
27. 每枝熒光筆的售價是\$18。根據上圖，文具店過去五天售出熒光筆共收得款項多少？

- A. \$504
- B. \$522
- C. \$540
- D. \$558**

共收得款項
 $18 \times (8 + 6 + 3 + 5 + 9)$
 $= \$558$

Number of Students Who were late in the Past Five Days

過去五天遲到的學生人數



28. The above graph showed the number of students who were late in the past five days. Which day's total number of students who were late was exactly 2 times the total number of students who were late on Thursday?

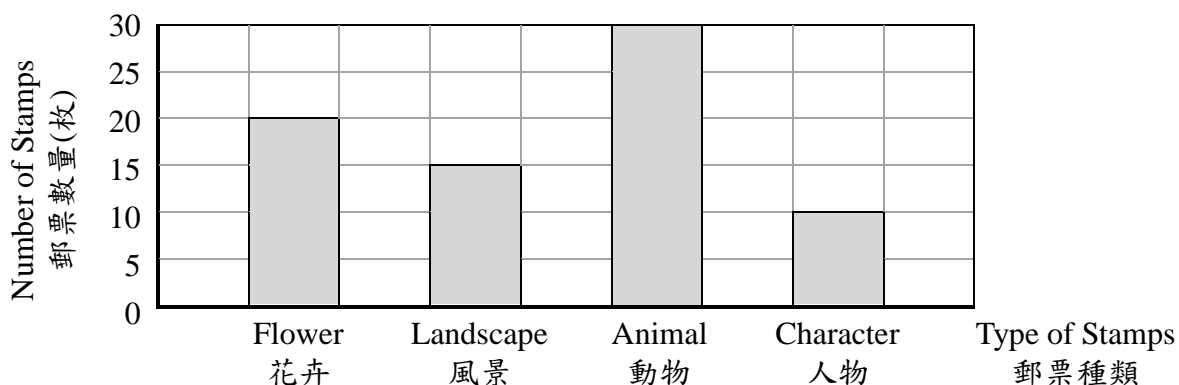
- A. Monday** Monday: $5 + 9 = 14$ (students)
Tuesday: $6 + 4 = 10$ (students)
Wednesday: $8 + 7 = 15$ (students)
Thursday: $3 + 4 = 7$ (students)
Friday: $4 + 5 = 9$ (students)
 $7 \times 2 = 14$
So the total number of students who were late on Monday was exactly 2 times on Thursday.
- B. Tuesday
- C. Wednesday
- D. Friday

28. 上圖是過去五天遲到的學生人數。哪一天的遲到人數剛好是星期四的 2 倍？

- A. 星期一** 星期一： $5 + 9 = 14$ (人)
星期二： $6 + 4 = 10$ (人)
星期三： $8 + 7 = 15$ (人)
星期四： $3 + 4 = 7$ (人)
星期五： $4 + 5 = 9$ (人)
 $7 \times 2 = 14$
星期一的遲到人數剛好是星期四的 2 倍。
- B. 星期二
- C. 星期三
- D. 星期五

Number of Stamps Collected by Abby

佳慧收集的郵票數量



29. Among the stamps collected by Abby, what fraction of whole stamps are animal stamps?

- A. $\frac{2}{3}$ The fraction is $\frac{30}{20+15+30+10}$
- B. $\frac{3}{5} = \frac{2}{5}$
- C. $\frac{2}{5}$**
- D. $\frac{1}{3}$

29. 佳慧收集的郵票中，動物郵票的數量佔全部郵票的幾分之幾？

- A. $\frac{2}{3}$ 動物郵票佔 $\frac{30}{20+15+30+10}$
- B. $\frac{3}{5} = \frac{2}{5}$
- C. $\frac{2}{5}$**
- D. $\frac{1}{3}$

30. If $5P = 105$, then $\frac{P}{3} = ?$

- A. 3
- B. 7** $5P = 105$
 $\frac{5P}{5} = \frac{105}{5}$
 $P = 21$
 $\frac{P}{3} = \frac{21}{3} = 7$
- C. 21
- D. 63

30. 如果 $5P = 105$ ，那麼 $\frac{P}{3} = ?$

- A. 3
- B. 7**
- C. 21
- D. 63

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，在回答本部問題時，須列出計算步驟。

31. Monica has a story book with 96 pages while Kate has a novel with 178 pages.

- (a) Monica read m pages of story book each day. How many pages were left after 15 days? (Give the answer only and express the answer in terms of m) [2 marks]
 $(96 - 15m)$

- (b) Kate finished reading the novel in 20 days. During the first 18 days, she read n pages each day. On the last two days, she read 8 pages each day. How many pages did she read on each of the first 18 days? (Use equation to solve the problem and show working steps) [4 marks]

$$18n + 8 + 8 = 178$$

$$n = 9$$

She read 9 pages on each of the first 18 days.

31. 智敏有一本 96 頁的故事書，佩蘭有一本 178 頁的小說。

- (a) 智敏每天看故事書 m 頁。15 天後，她還餘下故事書多少頁沒看？(只須寫出答案，答案以 m 表示) [2 分]
 $(96 - 15m)$

- (b) 佩蘭用 20 天看完這本小說。在首 18 天，她每天看 n 頁。在最後兩天，她每天看 8 頁。她在首 18 天每天看小說多少頁？(須用方程列式計算)

$$18n + 8 + 8 = 178 \quad [4 \text{ 分}]$$

$$n = 9$$

她在首 18 天每天看小說 9 頁。

32. (a) There are 304 members in the Fire Acrobatic Troupe, $\frac{11}{16}$ of them are male. How many members are female?

$$304 \times \left(1 - \frac{11}{16}\right) \quad [4 \text{ marks}]$$

$$= 95$$

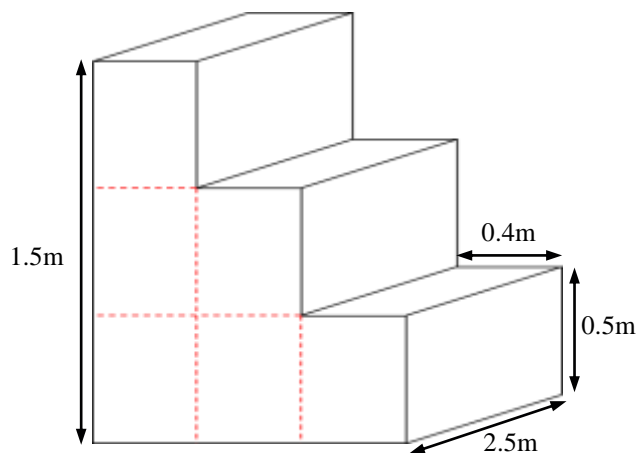
The number of female members is 95.

(b) The Fire Acrobatic Troupe sets a stand on the stage, as shown below. Each step of the stand has the same width and same height. What is the volume of the stand? [4 marks]

$$2.5 \times 0.4 \times 0.5 \times 6$$

$$= 3$$

The volume of the stand is 3m^3 .



32. (a) 烈火雜技團共有成員 304 人，其中 $\frac{11}{16}$ 是男性，女性有多少人？ [4 分]

$$304 \times \left(1 - \frac{11}{16}\right)$$

$$= 95$$

女性有 95 人。

(b) 烈火雜技團在舞台設置了一個台階，如下圖所示。台階上每級的闊度相等，高度亦相同。這個台階的體積是多少？

$$2.5 \times 0.4 \times 0.5 \times 6 \quad [4 \text{ 分}]$$

$$= 3$$

這個台階的體積是 3m^3 。

33. The following table shows the lengths of three ribbons.

33. 下表顯示三種絲帶的長度。

Colour 顏色	Length (Each Roll) 長度(每卷)
Green 綠色	$4\frac{7}{10}$ m
Red 紅色	4m
Yellow 黃色	$\frac{35}{8}$ m

(a) Jenny and 4 friends made bows together. 5 people used 3 rolls of red ribbon in total. How many meters of red ribbon did each person use on average?

(Give the answer only)

$$2\frac{2}{5} \quad [2 \text{ marks}]$$

Each person used

$$4 \times 3 \div 5$$

$$= 2\frac{2}{5} \text{ (m)}$$

(b) According to the above table, which colour of ribbon has the longest length? Explain.

[4 marks]

$$\text{The length of green ribbon was: } 4\frac{7}{10} \text{ m} = 4\frac{28}{40} \text{ m.}$$

The length of red ribbon was 4m.

The length of yellow ribbon was:

$$\frac{35}{8} \text{ m} = 4\frac{3}{8} \text{ m} = 4\frac{15}{40} \text{ m.}$$

$$4 < \frac{35}{8} < 4\frac{7}{10}$$

(Accept any other reasonable explanation)

Green

(a) 寶娟和 4 位朋友一起製作蝴蝶結。5 人共用去 3 卷紅色絲帶，平均每人用去紅色絲帶多少？(只須寫出答案) [2 分]

$$2\frac{2}{5}$$

平均每人用去紅色絲帶

$$4 \times 3 \div 5$$

$$= 2\frac{2}{5} \text{ (m)}$$

(b) 根據上表，哪一種顏色的絲帶的長度最長？試解釋。 [4 分]

$$\text{綠色絲帶的長度是: } 4\frac{7}{10} \text{ m} = 4\frac{28}{40} \text{ m;}$$

紅色絲帶的長度是 4m;

$$\text{黃色絲帶的長度是: } \frac{35}{8} \text{ m} = 4\frac{3}{8} \text{ m} = 4\frac{15}{40} \text{ m;}$$

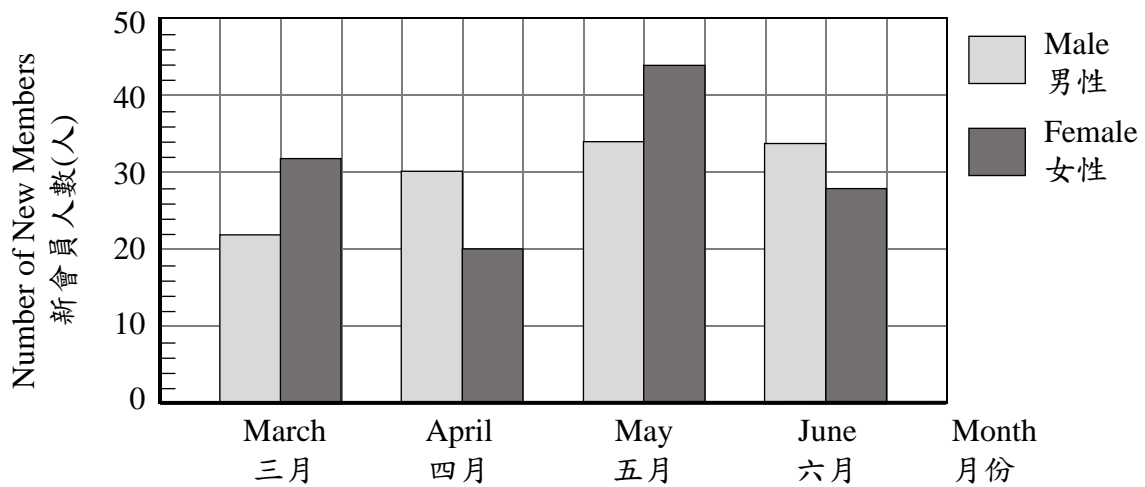
$$4 < \frac{35}{8} < 4\frac{7}{10}$$

(其他合理解釋也可接受)

綠色

Number of New Members of Fitness Center

健身中心的新會員人數



34. (a) In which month did fitness center have the largest number of new members? How many new members were there in total? (Give the answer only)

May, 78 [2 marks]
 March: $22 + 32 = 54$ (new members)
 April: $30 + 20 = 50$ (new members)
 May: $34 + 44 = 78$ (new members)
 June: $34 + 28 = 62$ (new members)

(b) If the number of new members in a month was 60 or above, each employee would be awarded a bonus. How many bonuses were awarded to each employee from March to June in total? (Give the answer only)

2 [2 marks]
 The number of new members in May and June were more than 60.

34. (a) 健身中心哪一個月的會員人數最多？共有新會員多少人？(只須寫出答案) [2分]

五月，78
 三月： $22 + 32 = 54$ (人)
 四月： $30 + 20 = 50$ (人)
 五月： $34 + 44 = 78$ (人)
 六月： $34 + 28 = 62$ (人)

(b) 如果某個月的新會員人數達60人或以上，那麼該月每位員工可獲得一份獎金。健身中心的每位員工在三月至六月共獲得獎金多少份？(只須寫出答案) [2分]

2
 五月和六月的新會員人數超過60人。

34. (c) The new members have to pay a membership fee of \$125 in the first month. What was the total membership fee did fitness center get in April? [4 marks]

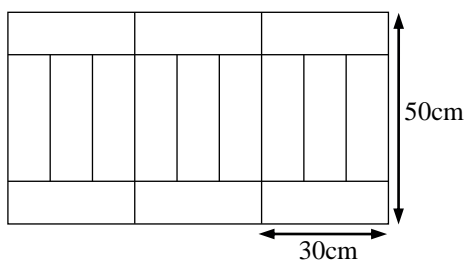
$$125 \times (30 + 20) = 6250$$

Fitness center got \$6250 in April.

34. (c) 新會員在入會首月須繳納會員費\$125，健身中心在四月共收得會員費多少？ [4分]

$$125 \times (30 + 20) = 6250$$

健身中心在四月共收得會員費\$6250。



35. (a) The above figure is made from 15 rectangles of the same size and same shape. What is the perimeter of each rectangle? (Give the answer only) [2 marks]

80

The width of each rectangle is:
 $(50 - 30) \div 2 = 10(\text{cm})$
 The perimeter of each rectangle is:
 $(30 + 10) \times 2 = 80(\text{cm})$

(b) What is the area of the big rectangle? [4 marks]

$$30 \times 3 \times 50 = 4500$$

The area of the big rectangle is 4500cm².

35. (a) 上圖由 15 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]

80

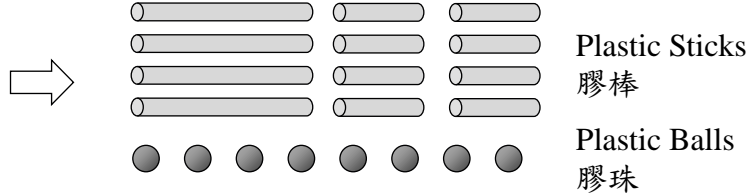
每個長方形的闊是：
 $(50 - 30) \div 2 = 10(\text{cm})$
 每個長方形的周界是：
 $(30 + 10) \times 2 = 80(\text{cm})$

(b) 大長方形的面積是多少？ [4分]

$$30 \times 3 \times 50 = 4500$$

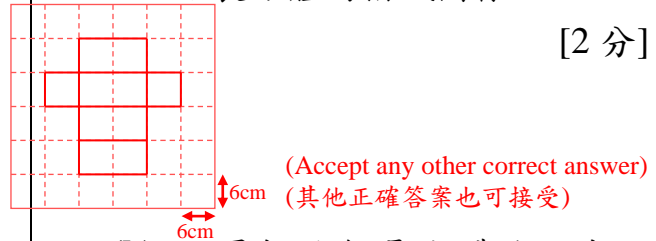
大長方形的面積是 4500cm²。

36. A box of 'Happy DIY' contains 8 plastic balls and 12 plastic sticks in which 4 of them are 12cm long each and the rest are 6cm long each.



(a) Mandy used a box of 'Happy DIY' to make a cuboid. On the answer sheet, draw the net of that cuboid. [2 marks]

(a) 凱琳用一盒「快樂 DIY」砌成一個長方體。在答題紙上，畫出該長方體的摺紙圖樣。 [2 分]



(b) If the cuboid is changed into a cube, how many plastic sticks will be needed at least? (Give the answer only) [2 marks]

(b) 如果把這個長方體改砌成一個正方體，最少還需要膠棒多少枝？(只須寫出答案) [2 分]

It needs 12 plastic sticks in equal length to make a cube.
If plastic sticks with 12cm long are used, it needs:
 $12 - 4 = 8$ (plastic sticks)
If plastic sticks with 6cm long are used, it needs:
 $12 - 8 = 4$ (plastic sticks)

4, 6
砌一個正方體需要 12 枝長度相等的膠棒。
若用長 12cm 的膠棒，最少還需要： $12 - 4 = 8$ (枝)
若用長 6cm 的膠棒，最少還需要： $12 - 8 = 4$ (枝)

(c) Ken bought 4 boxes of 'Happy DIY'. If a box of 'Happy DIY' costs $\$9\frac{4}{5}$, how much did he pay in total? (Give the answer only) [2 marks]

(c) 燦森購買了 4 盒「快樂 DIY」。如果每盒「快樂 DIY」售 $\$9\frac{4}{5}$ ，他共須付多少？(只須寫出答案) [2 分]

$$39\frac{1}{5}$$

He paid

$$9\frac{4}{5} \times 4$$

$$= \$39\frac{1}{5}$$

他共須付

$$9\frac{4}{5} \times 4$$

$$= \$39\frac{1}{5}$$

End of Test Paper
測驗卷完