

# Eye Level

# Critical Thinking Math

# Challenge

數學邏輯思考大挑戰

## SAMPLE PAPER

**P1**  
Section



**Candidate number** 考生編號 \_\_\_\_\_

**Name** 姓名 \_\_\_\_\_

**Seat number** 座位編號 \_\_\_\_\_

## Instructions:

- ✓ 30 interesting questions in 30 minutes
- ✓ We will read the questions for you  
(In both Cantonese and English)
- ✓ Pencils, erasers, admission ticket
- ✓ Stay in your seat
- ✓ If you need help, raise your hand
- ✓ Enjoy ☺
  
- ✗ Foods or drinks
- ✗ Mobile phones, calculators
- ✗ Look at others' papers
- ✗ Disturb others

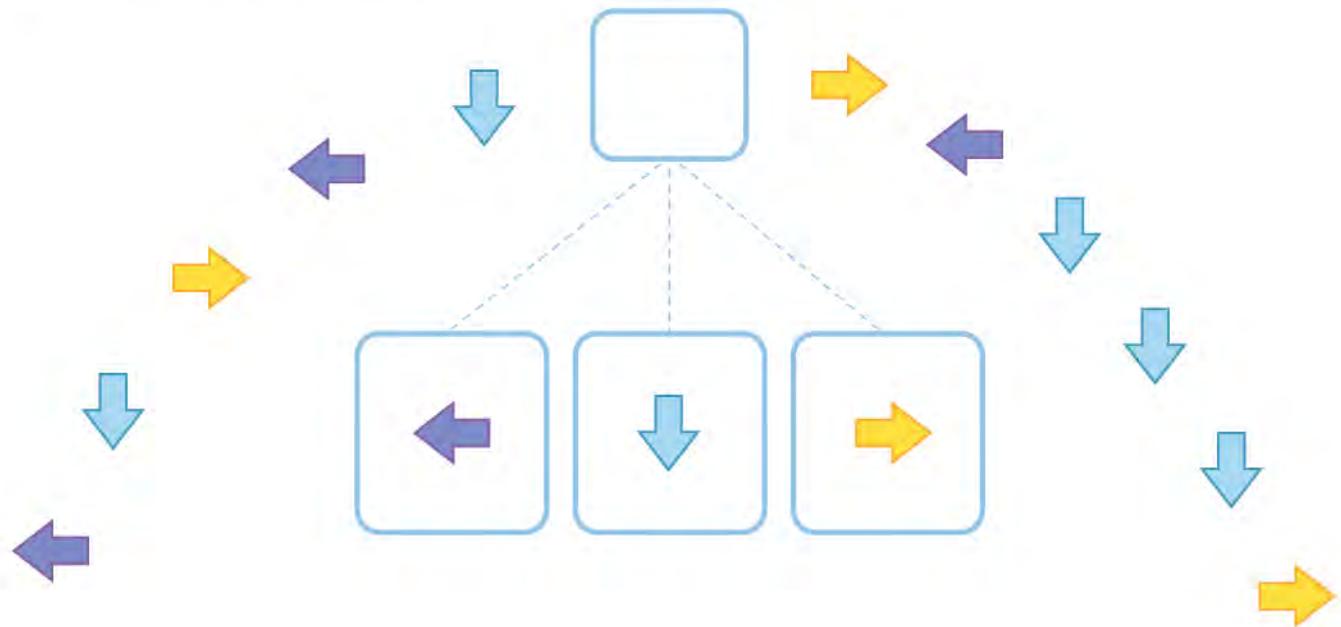
- 1** Circle the object that completes the pattern.  
請圈出正確答案以完成排序。



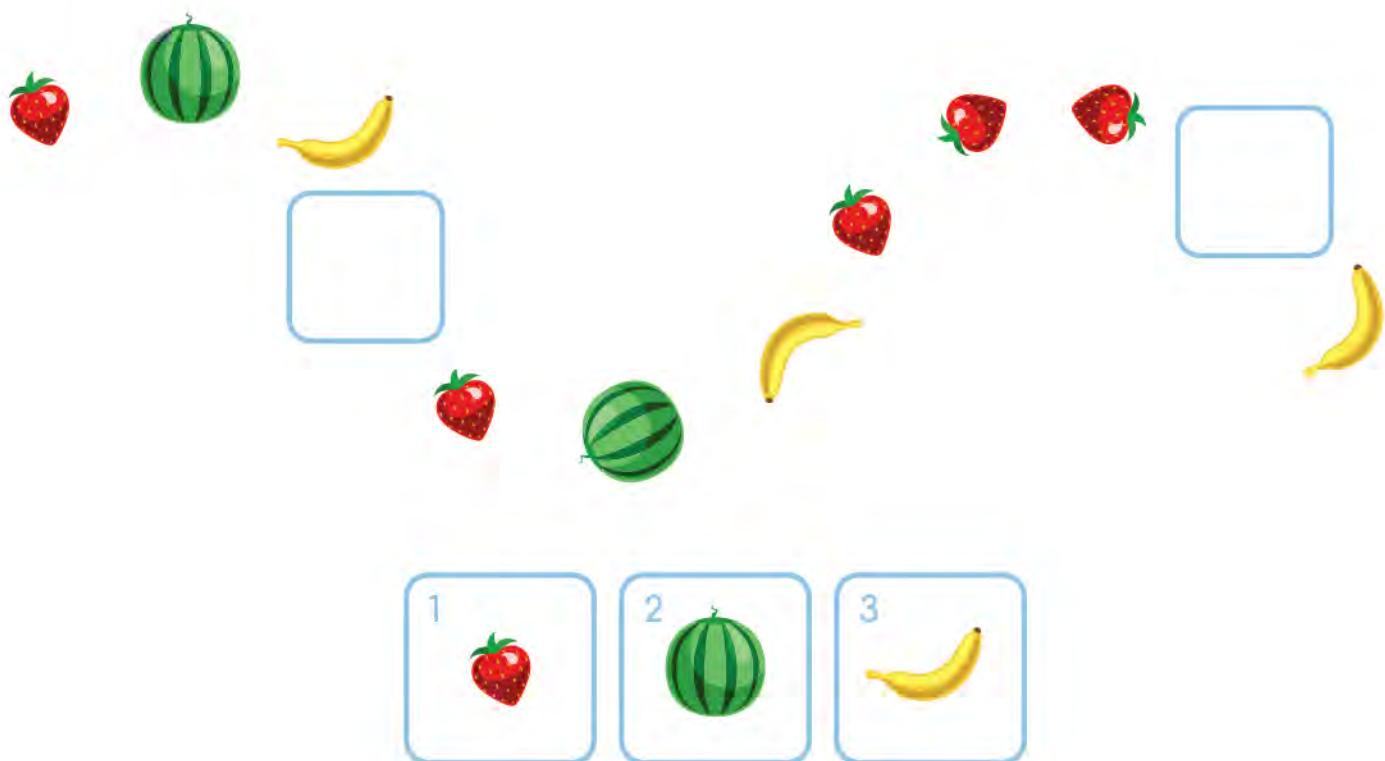
- 2** Circle the object that completes the pattern.  
請圈出正確答案以完成排序。



- 3** Draw a line to the object that completes the pattern.  
請連線至正確答案以完成排序。



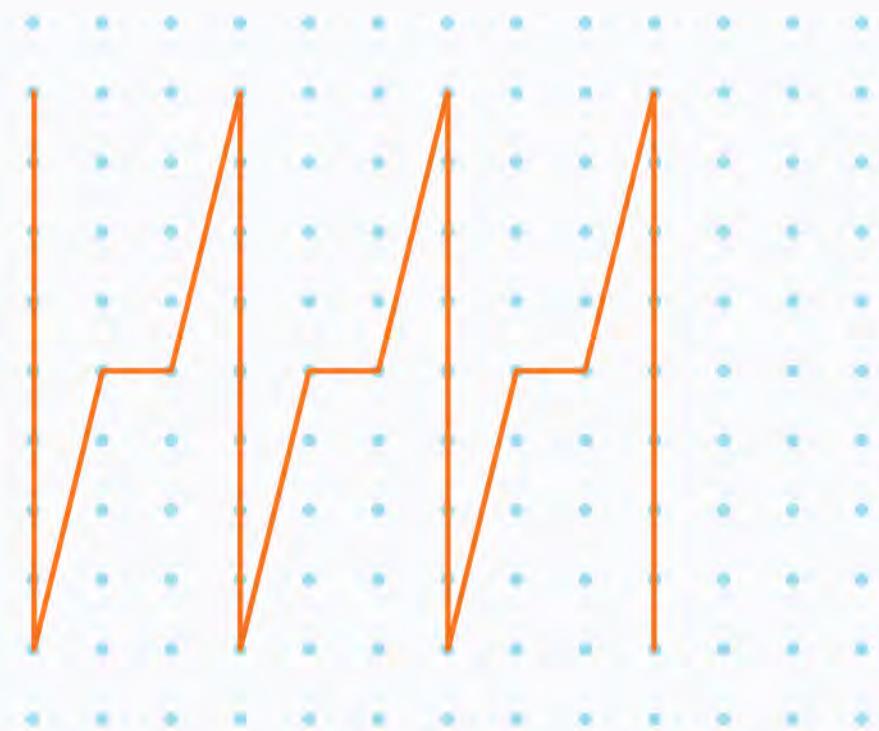
- 4** Write the number that completes the pattern.  
請寫出正確答案以完成排序。



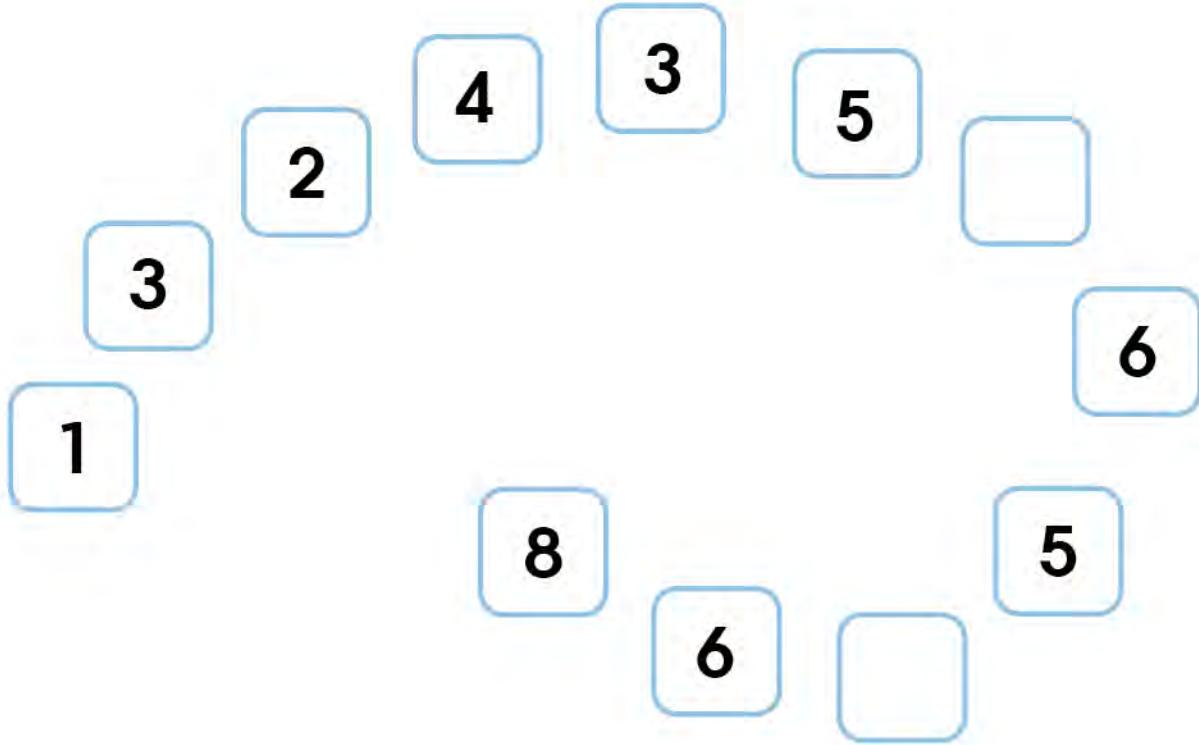
- 5** Find and circle the one that does not follow the pattern.  
請找出並圈出圖中不依規律的物件。



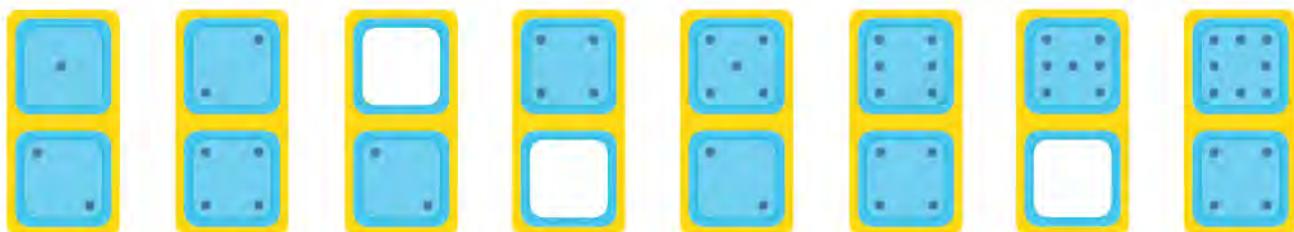
- 6** Draw lines to complete the pattern.  
請畫線以完成排序。



- 7 Write numbers to complete the pattern.  
請寫出正確數字以完成排序。



- 8 Draw the correct number of dots to complete the pattern.  
在適當的地方畫上圓點以完成排序。

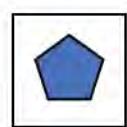
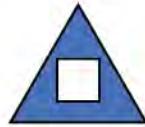


- 9 Find the value of A and B, then find the sum of the two numbers.  
找出 A 及 B 的數值，並找出兩個數值的和。

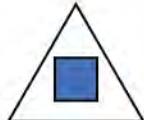


$$A + B = \underline{\hspace{2cm}}$$

- 10 Write the number that completes the pattern.  
請寫出正確答案以完成排序。



1



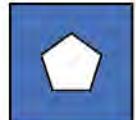
2



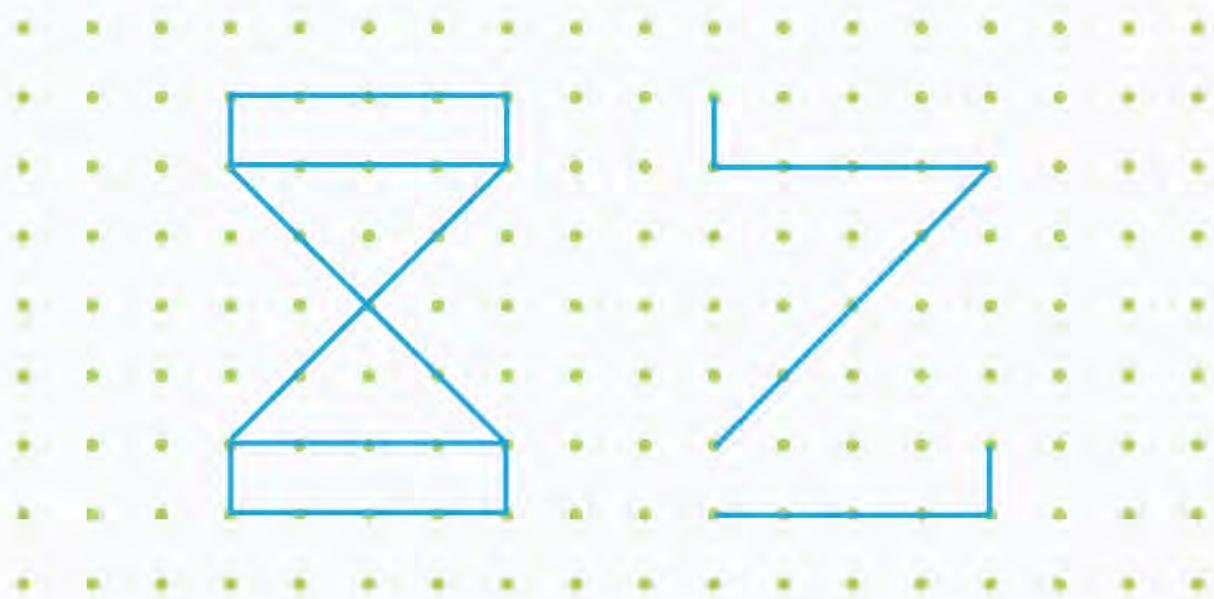
3



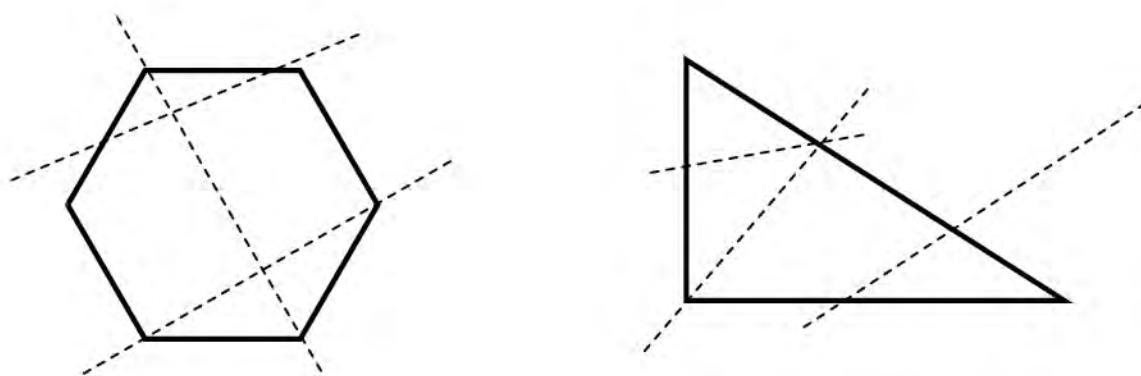
4



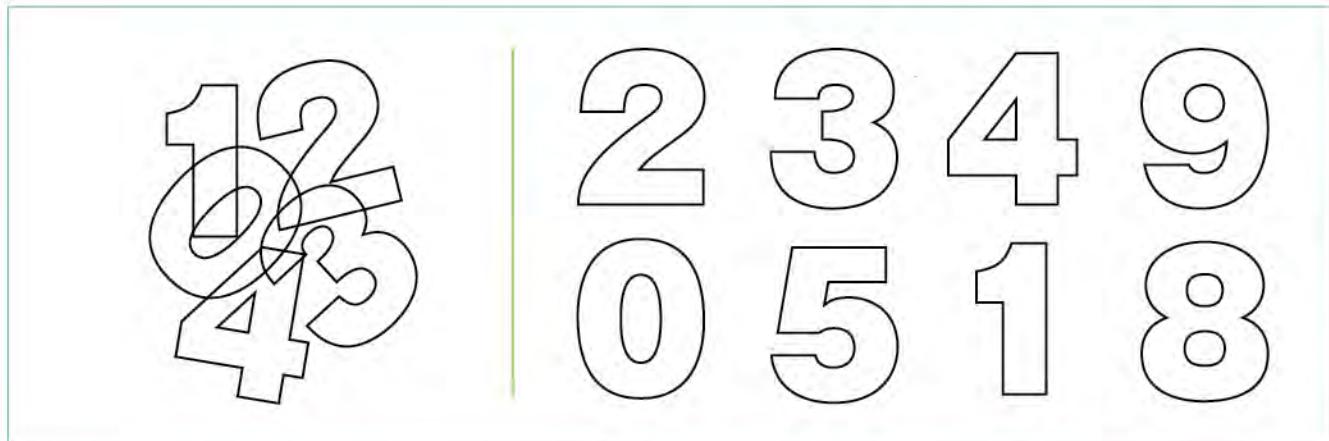
- 11** Draw the missing lines on the right to make the figure match the one on the left.  
請在右圖畫上線段，使右圖與左圖相同。



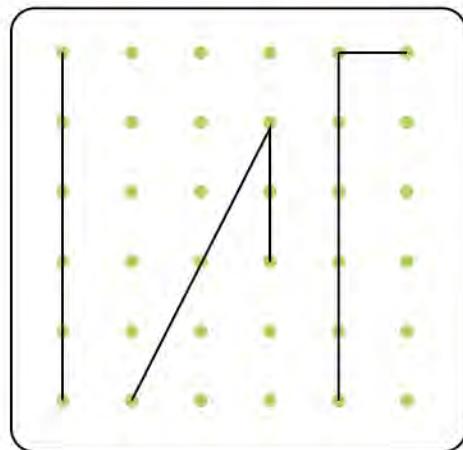
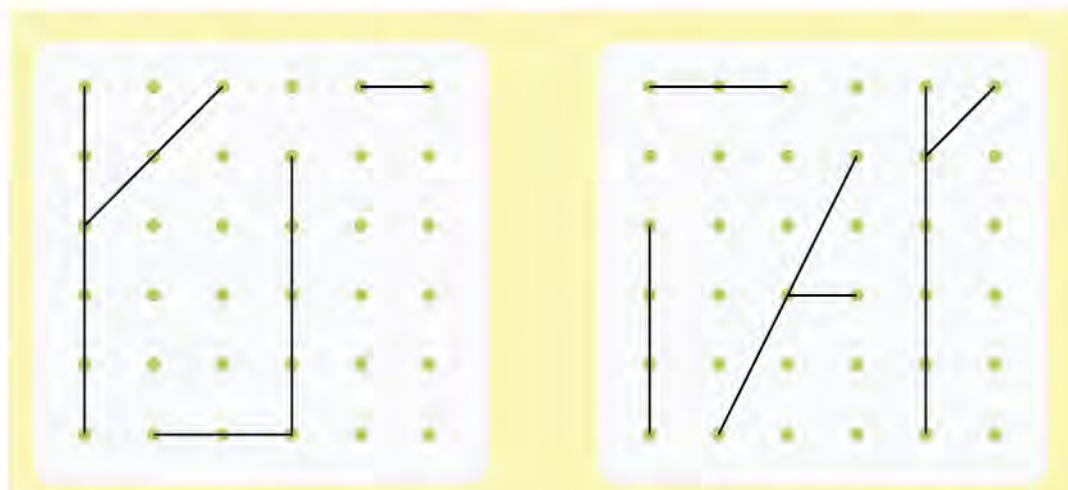
- 12** Circle the figure that will make more triangles when the dotted lines are cut.  
請圈出沿虛線剪開後可得到較多三角形的圖案。



- 13** Find and circle all the images on the right that are on the left.  
請在右邊圈出所有在左邊出現的圖形。

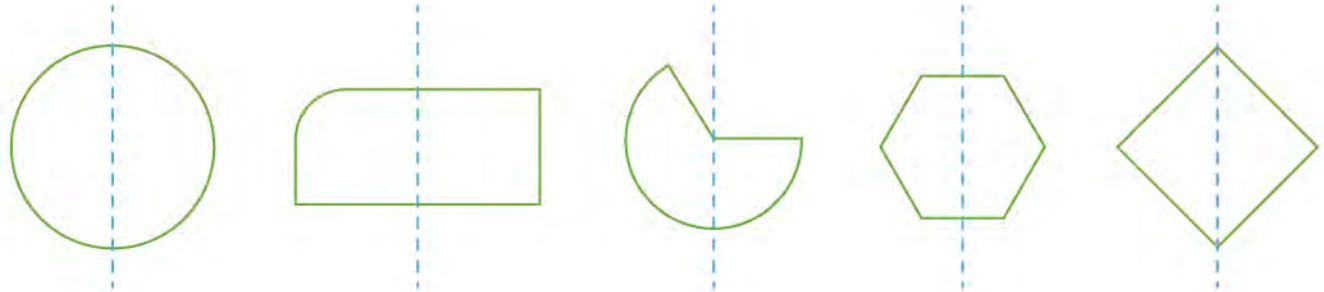


- 14** Combine the top two figures to make a new figure below.  
將上面的兩個圖案合併，並在下面的位置畫出來。



- 15** Circle all the figures that will not produce two parts that are the same when cut along the dotted line.

請圈出沿虛線剪開後兩部份圖案不是一樣的圖形。



- 16** Look at the overlapped figures and number them in order starting from the top.

觀察以下重疊的圖案，然後把它們從面至底寫出排列次序。



- 17 Circle the image you would see if a mirror were placed on the dotted line.  
請圈出在虛線放置鏡子後看到的圖像。

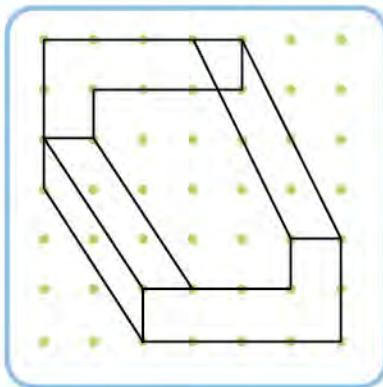
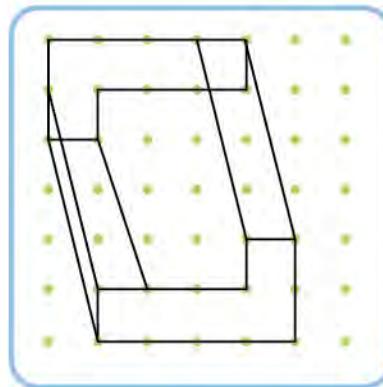
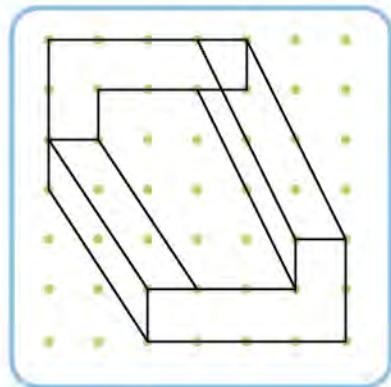
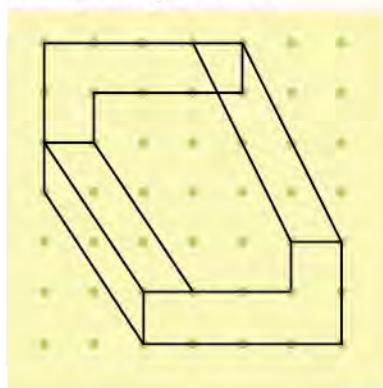


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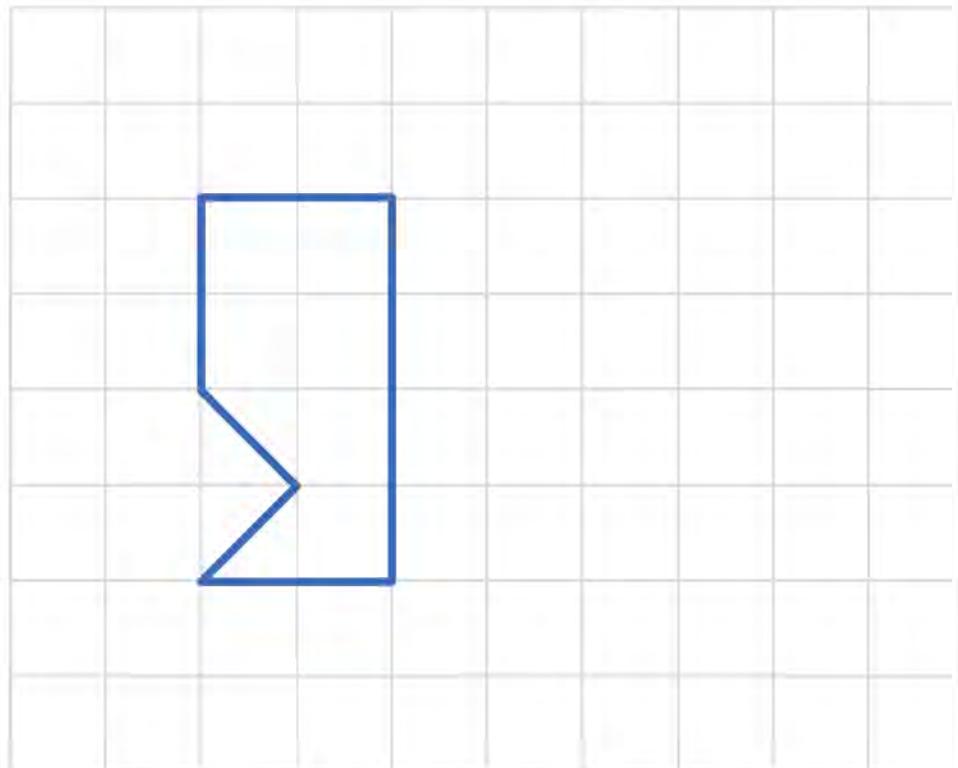


- 18 Circle the figure on the bottom that is the same as the sample figure.  
請圈出在虛線放置鏡子後看到的圖像。

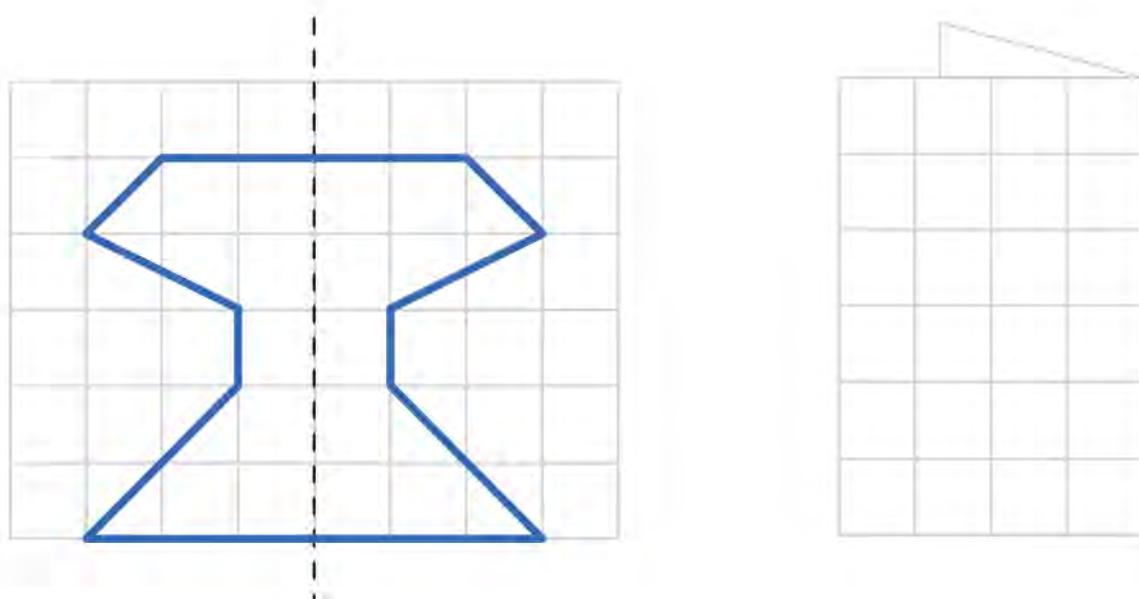
Sample figure 例子



- 19** Draw a copy of the figure 3 spaces to the right of the given figure.  
根據附圖，在右方3格的位置畫出一個相同的形狀。

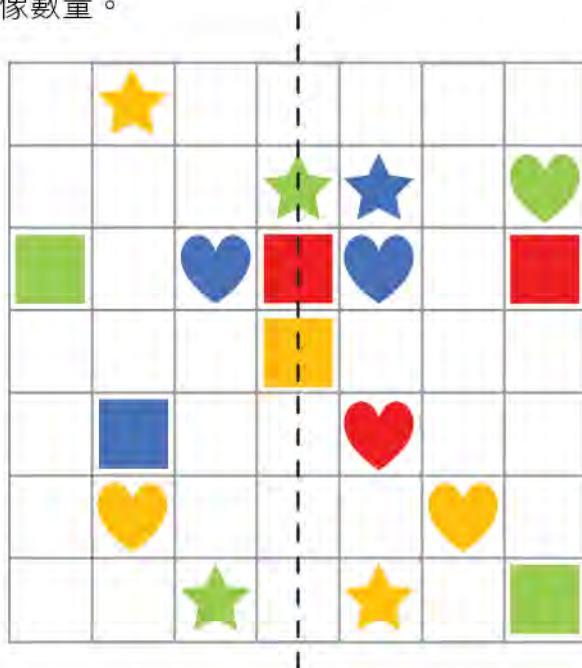


- 20** Draw the figure on the left when the paper on the right is folded in half.  
請在右面畫出左圖折疊後的圖案。



- 21** Write the total number of shapes you would see if a mirror were placed on the dotted line.

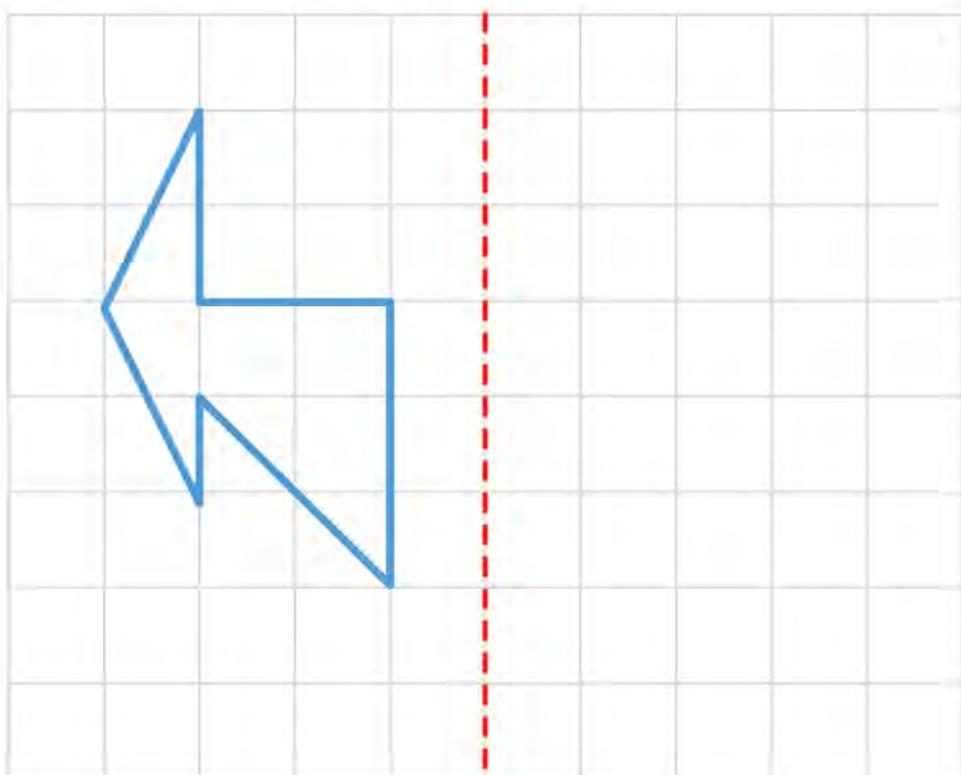
請寫下在虛線放置鏡子後看到的圖像數量。



Number of squares: \_\_\_\_\_

Number of hearts: \_\_\_\_\_

- 22** The figure below has been folded along a line of symmetry. Draw the missing half.  
下圖沿紅線對稱折疊，請畫出缺少的一半。



- 23** Order the containers from the one with the least liquid to the one with the most.  
將以下的容器排序，由最少水至最多水。



( )



( )



( )

- 24** All the balls have the same weight. Circle the group below that tilts the scale to side B.  
所有球的重量一樣。請圈出正確的一組令天秤傾向右邊。

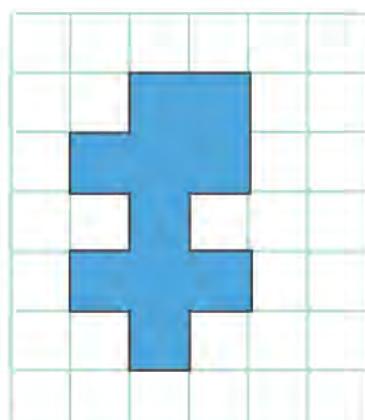
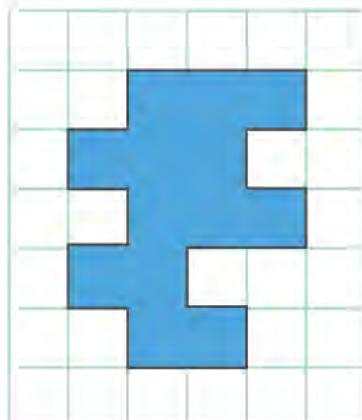
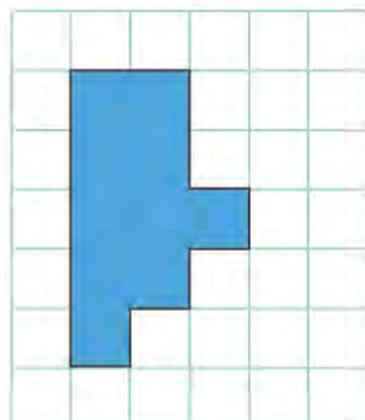
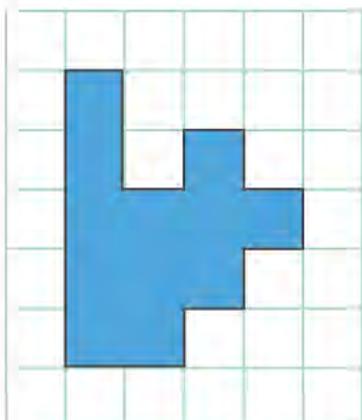
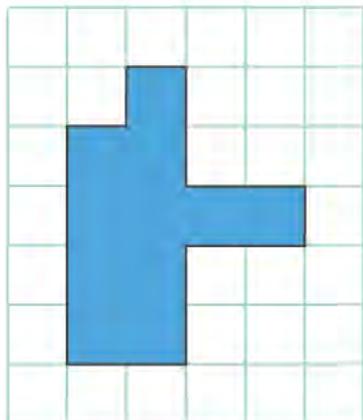
Side A



Side B



- 25 Circle all the figures that have a smaller area than the given figure.  
圈出所有面積小於上圖的圖形。



- 26** Use 2 or 3 different blocks to find all combinations that make up 9.  
使用兩個或三個不同的積木，找出所有能組成9的組合。



$$\square + \square$$

$$\square + \square$$

$$\square + \square + \square$$

$$\square + \square + \square$$

$$1 + 2 + 6$$

**27** Circle the one that comes next.

請圈出正確答案以完成規律。



**28** Circle the pair that is not related.

請圈出沒有關聯的一組。



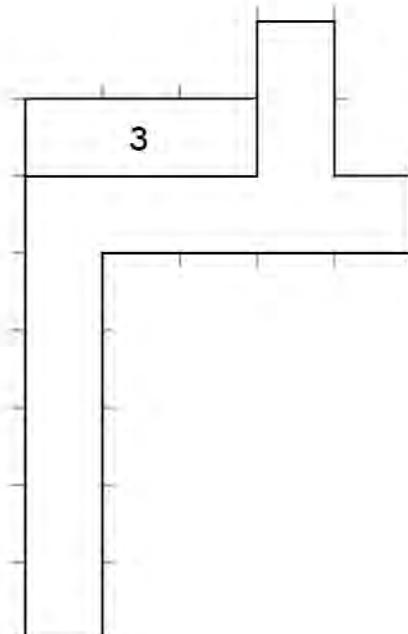
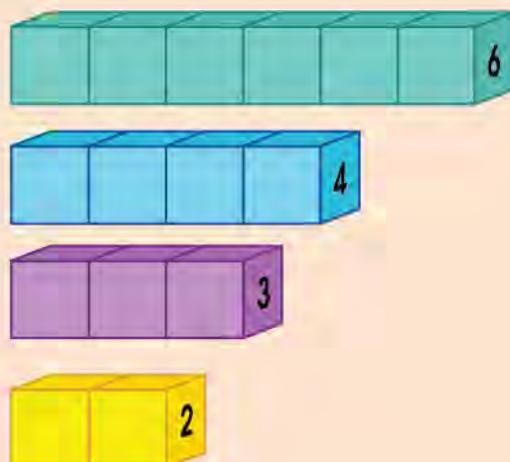
29 Circle the one that is not related.

請圈出沒有關聯的一組。



- 30** Use the given Colored Blocks shown to make the figure below, then draw the outline and write the block number of each block.

使用上面的積木以完成下面的圖案，然後畫出每塊積木的輪廓和寫下它的數字。



- The End -

- Check your answers carefully
- Remain seated and keep quiet

-全卷完 -

- 請仔細檢查答案
- 請保持安靜

I am the key.