* 6 M E 4 *

6	M	E	4

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Please stick the barcode label in the box

Education Bureau
Territory-wide System Assessment 2024◈
Primary 6
Mathematics

Instructions:

1. Stick barcode labels on pages 1, 3, 5, 7 and 9 in the spaces provided.
2. There are 39 questions in this test. Answer all questions.
3. Time allowed is 50 minutes.
4. Write your answers in this Question-Answer Booklet.
5. Do not write in the margins.
6. Use of calculators is not allowed.
7. Do your rough work on the rough work sheet provided.
8. Write your School Code, Class and Class Number in the boxes below.

Instructions for answering questions:

(a) Multiple choice questions – Blacken the circle next to the correct answer with an **HB pencil**. For example:

● A
○ B
○ C
○ D

(b) Questions in which you are asked to "Show your working" – Write your mathematical expressions, answers and statements/conclusions in the spaces provided. There is NO need to show your rough work.

(c) Other types of questions – Answer as required in the spaces provided.

School Code 學校編號	P				**Class** 班別	6		**Class No.** 班號		

此格只許填寫一個大楷**英文**字母
Write one **capital letter** in this box

◈ 2024 年小六全港性系統評估暫停舉行。此評估是學校以自願形式參與，而非全體小六學生參與的全港性系統評估。
The 2024 P6 TSA has been suspended. Participation in the 2024 P6 TSA is on a voluntary basis. As a result, this is a TSA in which not all P6 students will participate.

1. Arrange the following numbers from the smallest to the largest.

6 078 000 , 695 000 , 6 123 000

Answer: _____ , _____ , _____
(Smallest) (Largest)

2. Which of the following numbers is a factor of 52?

○ A. 3
○ B. 14
○ C. 26
○ D. 104

3. List the first three common multiples of 10 and 15.

Answer: _____ , _____ , _____

4. The Highest Common Factor (H.C.F.) of 16 and 28 is _____ .

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5. (a) Convert $6\frac{2}{9}$ to an improper fraction.

Answer: ☐

(b) Fill in the box with the correct number.

$$\frac{56}{84} = \frac{8}{\square}$$

6. In the number 0.5867, what is the value of the digit '7'?

○ A. $\frac{7}{10000}$

○ B. $\frac{7}{1000}$

○ C. $\frac{7}{100}$

○ D. $\frac{7}{10}$

7. Convert $\frac{7}{9}$ to a decimal correct to two decimal places.

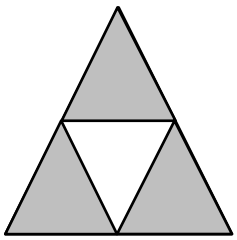
Answer: _____

8. Arrange the following numbers from the largest to the smallest.

2.68 , 2.099 , 20.3

Answer: _____ , _____ , _____
(Largest) (Smallest)

9. What percentage of the whole figure below is shaded?



Answer: _____ % of the whole figure is shaded.

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10. (a) Convert 8% to a fraction in the lowest terms.

Answer:

(b) Convert 1.3 to a percentage.

Answer: _____ %

11. $900 - 832 \div 4 =$

○ A. 872

○ B. 692

○ C. 208

○ D. 17

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12. $6 \div 2\frac{1}{4} \times \frac{3}{8} =$ ☐

13. $(2 - \frac{2}{5}) \times 1\frac{7}{8} =$ ☐

14. $1.4 \times 3.5 =$ _____

15. $15 \div 0.6 =$ _____

16. There were $8\frac{1}{4}$ kg of fish balls in a frozen meat store originally. After selling $6\frac{4}{5}$ kg, ☐ kg were left.

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17. 4 people took a taxi together. They paid 82.4 dollars for the taxi fare. On average, each of them should pay _____ dollar(s).

18. A roll of ribbon is 819 cm long. It takes 69 cm of ribbon to make one ribbon flower. Which of the following expressions is most suitable for estimating the number of ribbon flowers that can be made from a roll of ribbon at most?

- ○ A. $800 \div 60$
- ○ B. $800 \div 70$
- ○ C. $900 \div 60$
- ○ D. $900 \div 70$

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19. Ken was 150 cm tall one year ago. Now he is 2% taller than one year ago. What is Ken's height in cm now? (Show your working)

20. Maggie practiced the piano for 70 minutes. The ending time was 5:50 p.m. In '24-hour time', the starting time was _____ : _____ .

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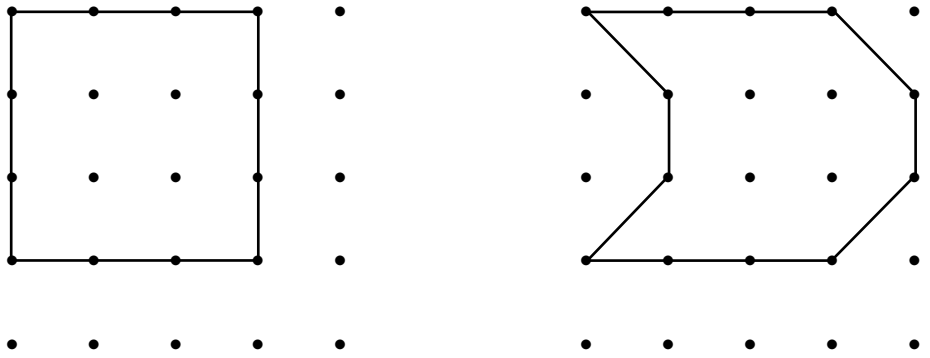
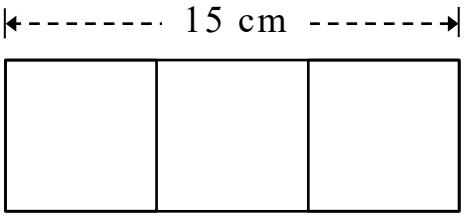


X **Y**

Study the diagram above. Which of the following statements is correct?

- ○ A. The perimeter of **X** is shorter than that of **Y**.
- ○ B. The perimeter of **X** is longer than that of **Y**.
- ○ C. The perimeters of **X** and **Y** are the same.
- ○ D. The perimeters of **X** and **Y** cannot be compared.

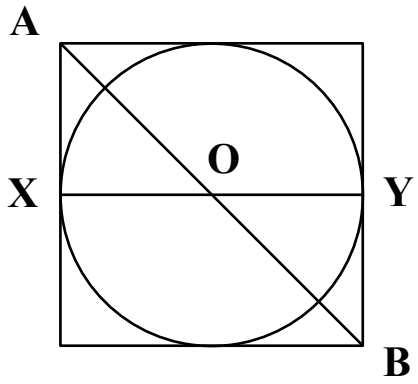
22.



The rectangle above is made up of 3 equal squares.

The perimeter of each square is _____ cm.

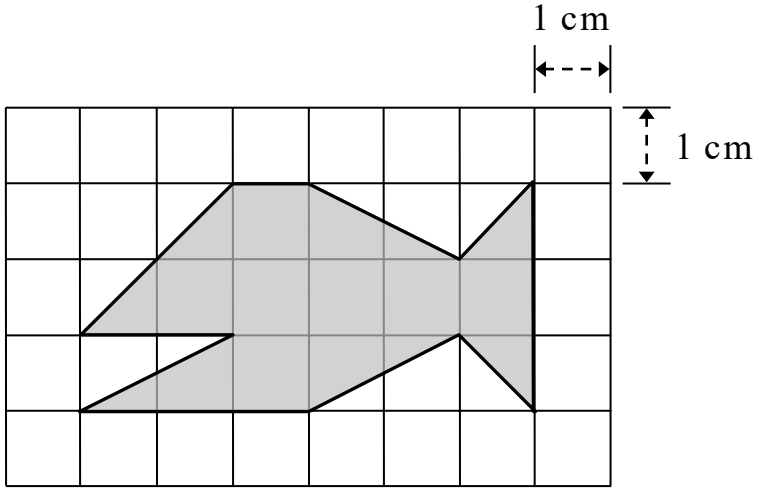
23. Benny draws the largest circle in the square (as shown in the diagram below). **O** is the centre of the circle.



(a) The line segment * **OX** / **XY** / **AB** is the diameter of the circle. (*Circle the answer)

(b) The side of the square is 20 cm. The circumference of the circle is _____ cm. (Take π as 3.14)

24. In the following diagram, the side of each square is 1 cm.



The area of the shaded part is _____ cm^2.

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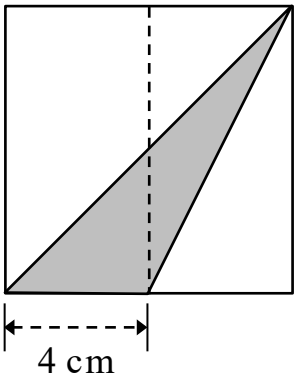
25.

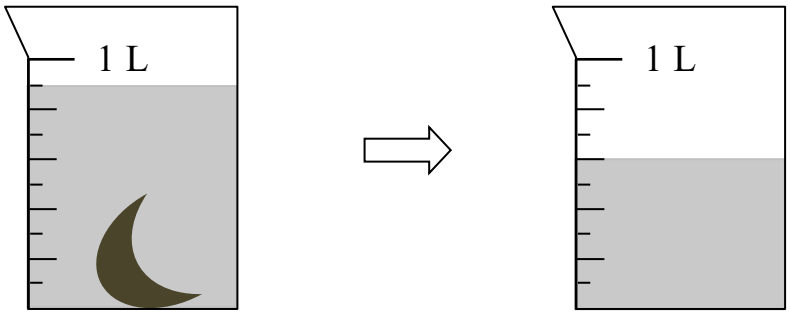


The square above can be divided into two equal rectangles.

(a) The area of the square is _____ cm^2.

(b) The area of the shaded part is _____ cm^2.

26.



The volume of is _____ cm^3.

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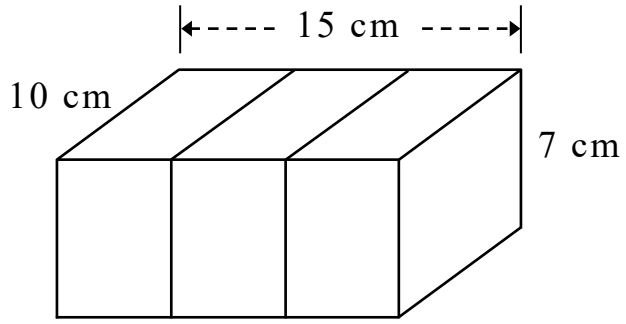
27.



Paula fits 3 equal cuboid building blocks together (as shown in the diagram above). The volume of each building block is _____ cm^3.

28. A bus travels at an average speed of

- ○ A. 7 hours.
- ○ B. 70 kilometres per hour.
- ○ C. 700 metres.
- ○ D. 7 000 metres per second.

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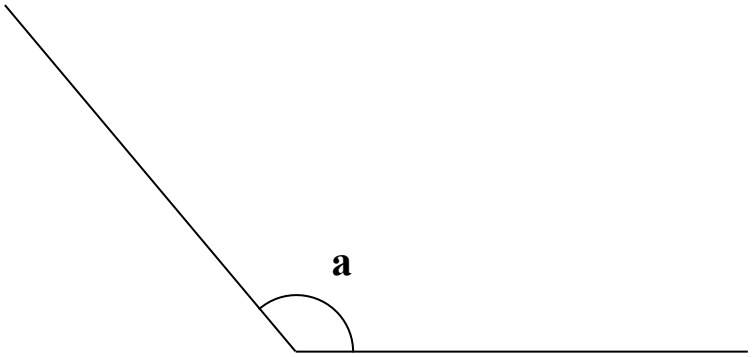
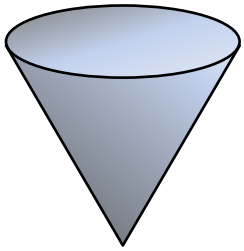
29. Measure ∠**a** below with a protractor.



∠**a** = _____

(Give the answer with a unit)

30.



The figure above is a * circle / cylinder / cone .

(*Circle the answer)

It has _____ face(s).

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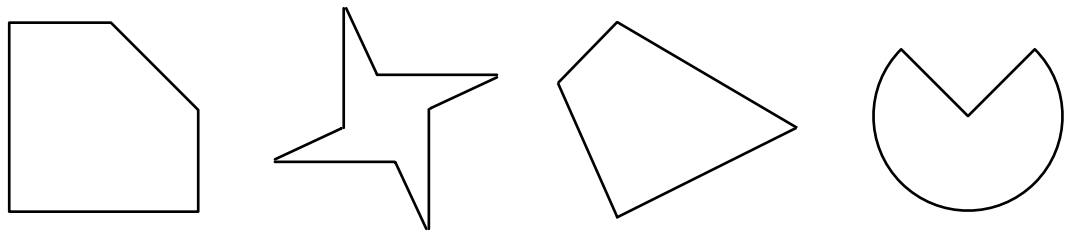
31. Which of the following 2-D shapes must have two pairs of opposite sides parallel and four right angles?

- ○ A. Triangle
- ○ B. Trapezium
- ○ C. Rhombus
- ○ D. Rectangle

32. Study the 2-D shapes below. Write all the letter(s) for the answer.



A B C D

List the axially symmetric shape(s).

Answer: _____

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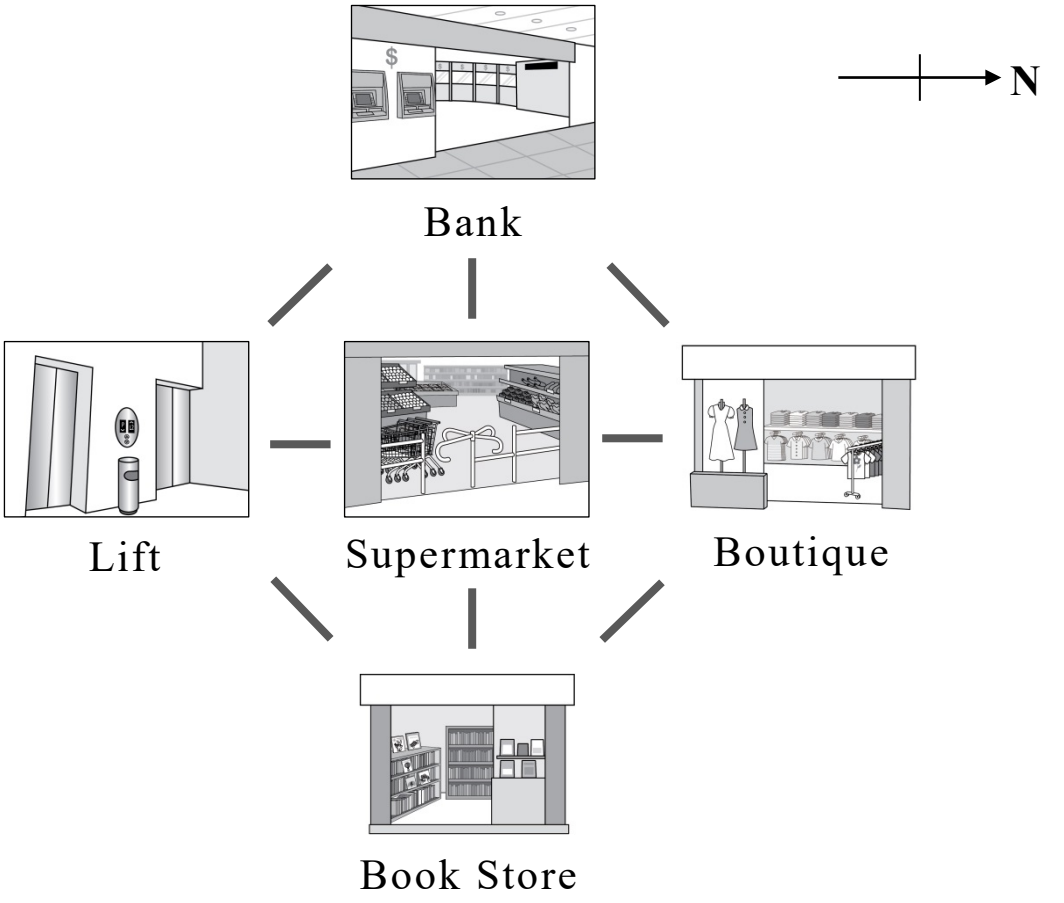
33. The map of the second floor of a shopping mall is shown below.



(a) Mr Chan exits Lift. He goes _____ to reach Book Store.
(direction)

(b) To the south-west of Boutique is _____ .

(c) Supermarket is to the west of _____ .

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34. Find the average of the five numbers below.

14.9 , 5.1 , 22 , 21.3 , 11.7

Answer: The average is _____ .

35. Each bag has y candies. Wilson bought 4 bags of candies and was given 6 more candies. How many candies did he have altogether?

- ○ A. $6y + 4$
- ○ B. $(y + 4) \times 6$
- ○ C. $4y + 6$
- ○ D. $(y + 6) \times 4$

36. $3\frac{1}{5} = 8y$

y = ☐

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37. A number minus 8 is divided by 6. The result is 7.

Find the number by ***the method of solving an equation.***

(Show your working)

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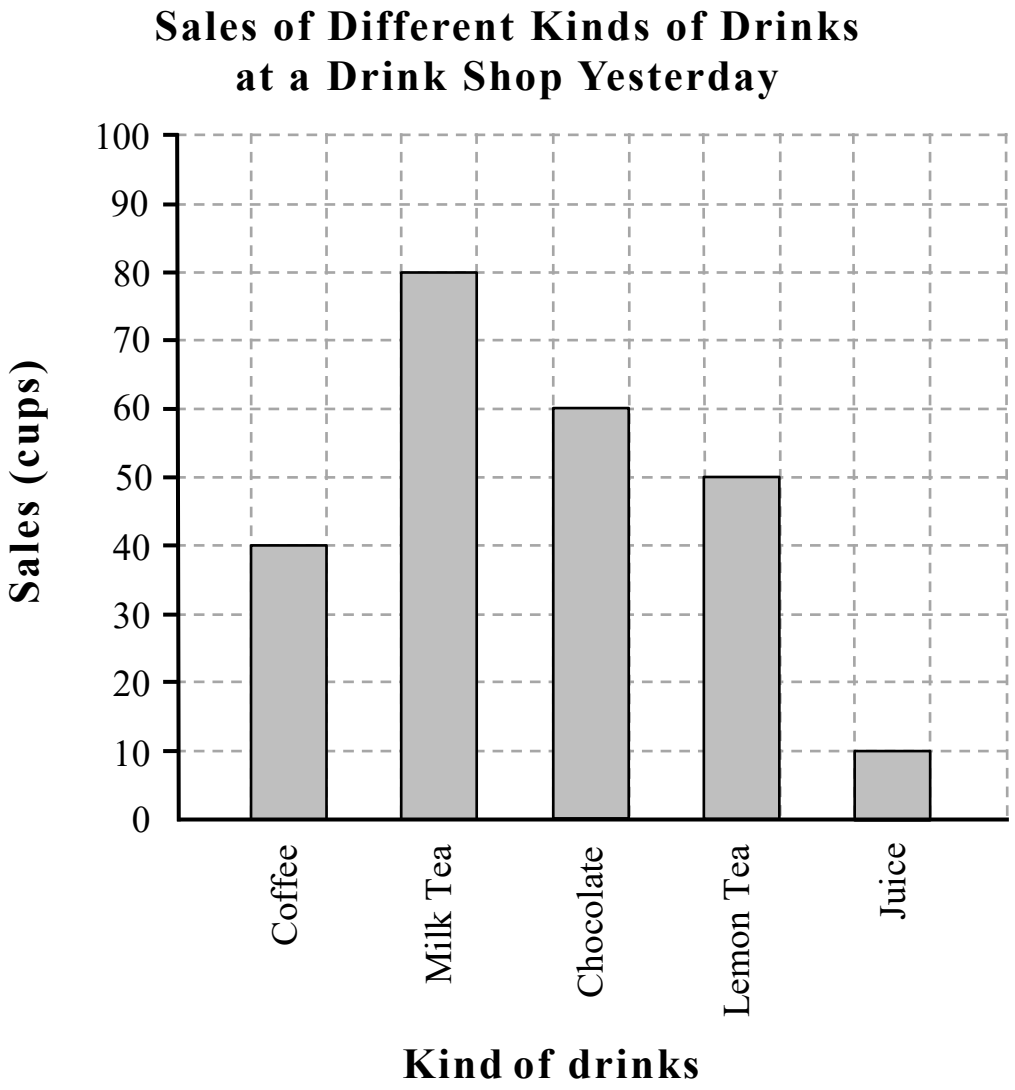
38. The following bar chart shows the sales of different kinds of drinks at a drink shop yesterday.



(a) The sales of _____ were the least.

_____ cups were sold.

(b) What fraction of the sales of milk tea were the sales of chocolate?

Answer: The sales of chocolate were ☐ of that of milk tea.

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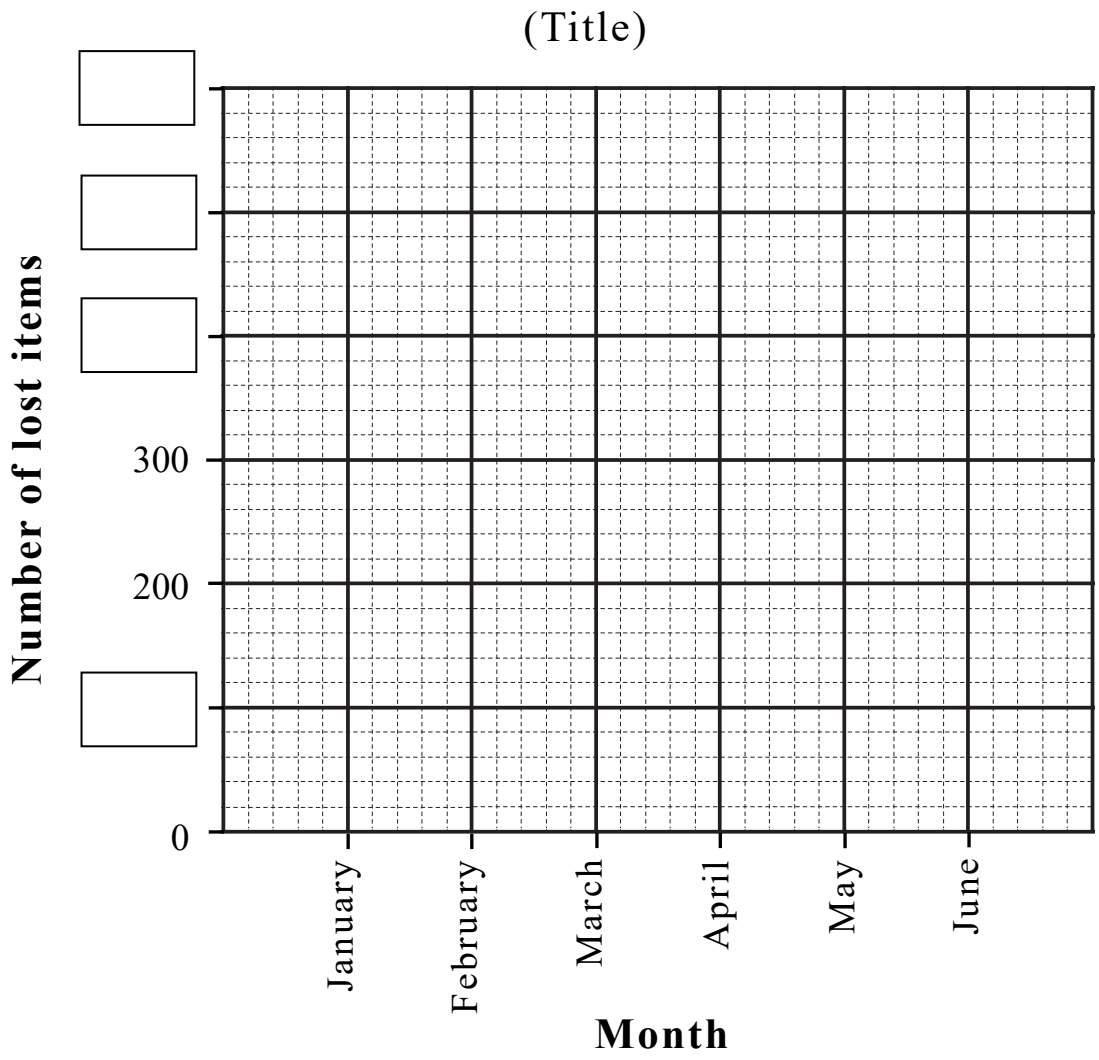
39. The table below shows the number of lost items found by the bus company in the first half of the year.

Month	January	February	March	April	May	June
Number of lost items	200	160	300	420	340	400

According to the information above, use a pencil to complete the following broken line graph. Give it a title and add the scales.



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