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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 multiple of 27?

- ○ A. 9
- ○ B. 51
- ○ C. 108
- ○ D. 144

3. Which of the following numbers are common factors of 14 and 42?

(Circle all the answers)

1 **3** **7** **42** **84**

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4. Which of the following numbers is the Least Common Multiple (L.C.M.) of 12 and 30?

○ A. 6

○ B. 60

○ C. 120

○ D. 360

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

$$\frac{7}{9} \quad , \quad \frac{7}{3} \quad , \quad 2\frac{1}{4}$$

Answer: ☐ , ☐ , ☐

(Largest) (Smallest)

7. Which of the following numbers has the digit '4' in its hundredths place?

- ○ A. 0.2643
- ○ B. 17.459
- ○ C. 80.642
- ○ D. 405.93

8. Convert 1.36 to a fraction in the lowest terms.

Answer: ☐

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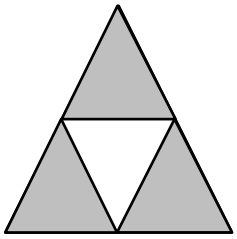
9. What percentage of the whole figure below is shaded?



Answer: _____ % of the whole figure is shaded.

10. (a) Convert $\frac{11}{20}$ to a percentage.

Answer: _____ %

(b) Convert 90% to a decimal.

Answer: _____

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11. $15 \times 27 + 15 \times 3 =$ _____

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

13. $\frac{7}{10} + \frac{4}{5} \div 8 =$ ☐

14. $1.4 \times 3.5 =$ _____

15. $1.9 \div 0.7 =$ _____

(Round the answer to two decimal places)

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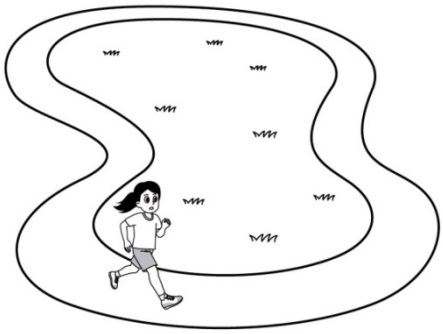
16. There were $8\frac{1}{4}$ kg of fish balls in a frozen meat store originally. After selling $6\frac{4}{5}$ kg, ☐ kg were left.

17. 

One lap around a jogging trail is $\frac{2}{5}$ km. Helen ran $3\frac{3}{10}$ km along the trail. She made ☐ lap(s).

18. Each carton has 1.5 litres of milk. 4 cartons have _____ litre(s) of milk.

19. A fast food shop sold 108 cups of chocolate and 165 cups of coffee. The number of cups of milk tea sold is 2 times that of chocolate. How many cups of milk tea and coffee were sold altogether?
(Show your working)

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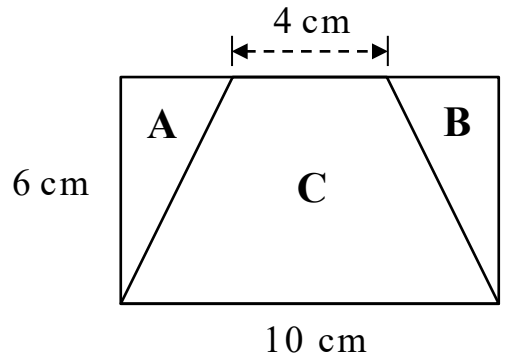
20.



The rectangle above is made up of triangles **A** and **B**, and trapezium **C**.

(a) The perimeter of the rectangle is _____ cm.

(b) The area of trapezium **C** is _____ cm^2.

21. The diameter of a wheel is 32 cm. It rolls one round to move about

- ○ A. 10 cm.
- ○ B. 16 cm.
- ○ C. 100 cm.
- ○ D. 800 cm.

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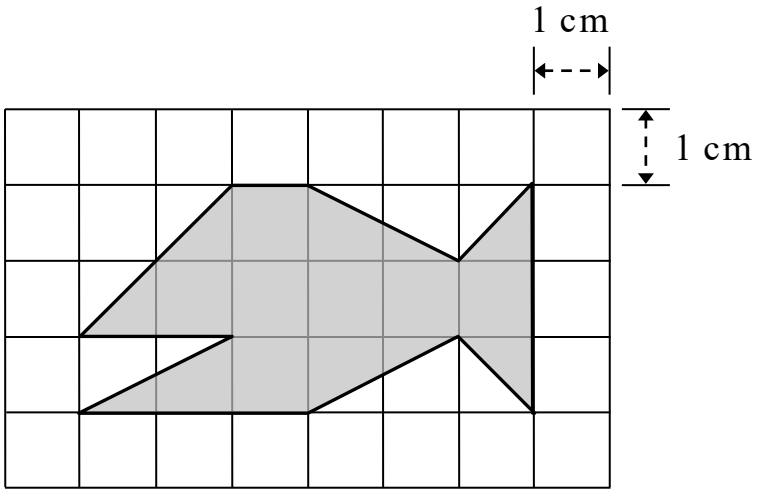
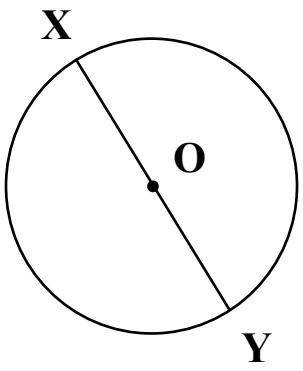
22. In the following diagram, the side of each square is 1 cm.



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

23. In the figure below, **O** is the centre of the circle. **XY** is a longest line segment in the circle.



(a) The radius of the circle is 3 cm.

XY is _____ cm long.

(b) The area of the circle is _____ cm^2.
(Take π as 3.14)

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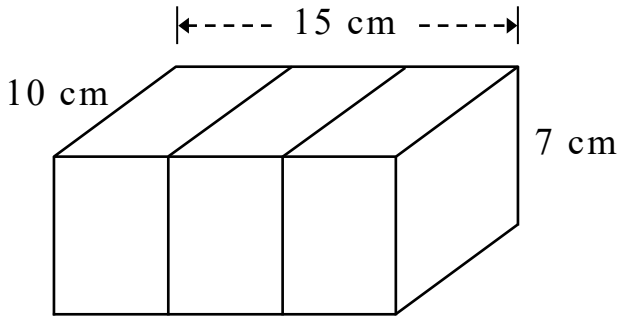
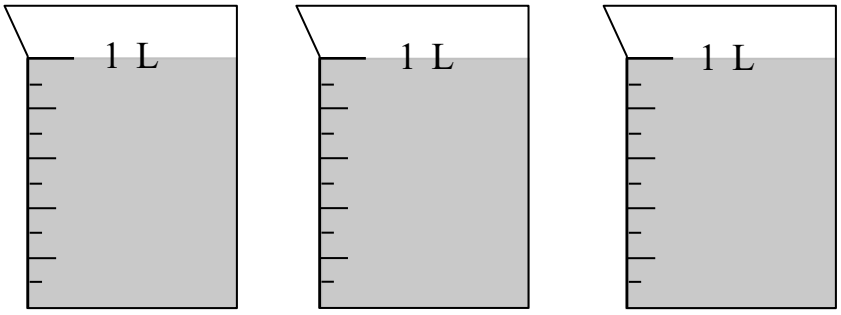
24.



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

25.



There are three measuring cups each holding 1 L of water. What is the total volume of the water in cm^3 ?

- ○ A. 3
- ○ B. 30
- ○ C. 300
- ○ D. 3 000

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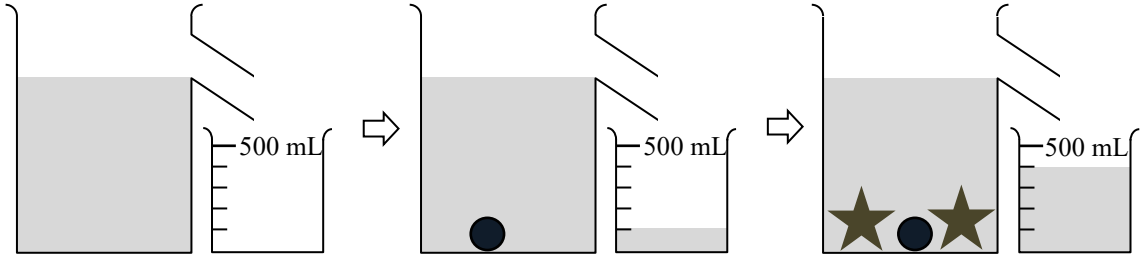
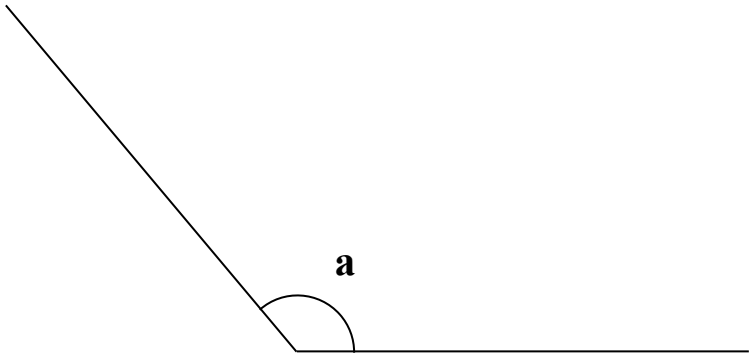
26.



The volume of each ★ is _____ cm^3.

27. Ray cycled 8 kilometres in half an hour. His average cycling speed was _____ kilometre(s) per hour.

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



∠**a** = _____

(Give the answer with a unit)

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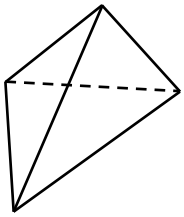
29. Find the average of the five numbers below.

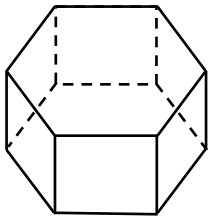
14.9 , 5.1 , 22 , 21.3 , 11.7

Answer: The average is _____ .

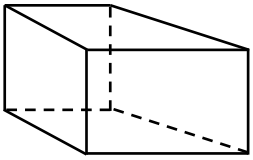
30. Which of the following 3-D shapes has 6 edges?



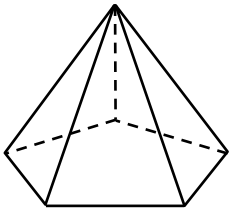
○ A.



○ B.



○ C.



○ D.

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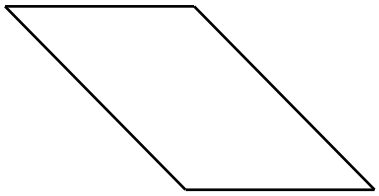
31. 

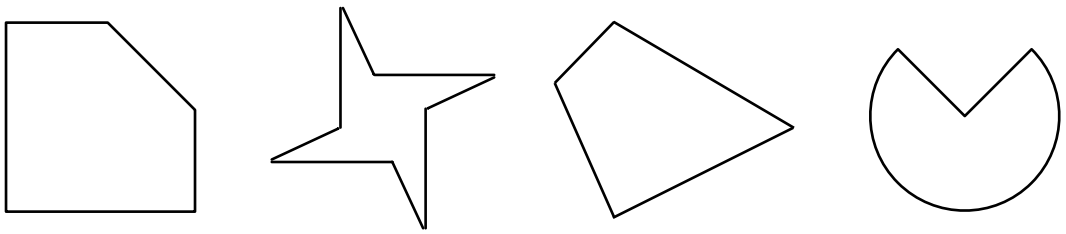
The figure above is a

* rhombus / trapezium / parallelogram .

(*Circle the answer)

It has _____ pair(s) of opposite sides equal in length.

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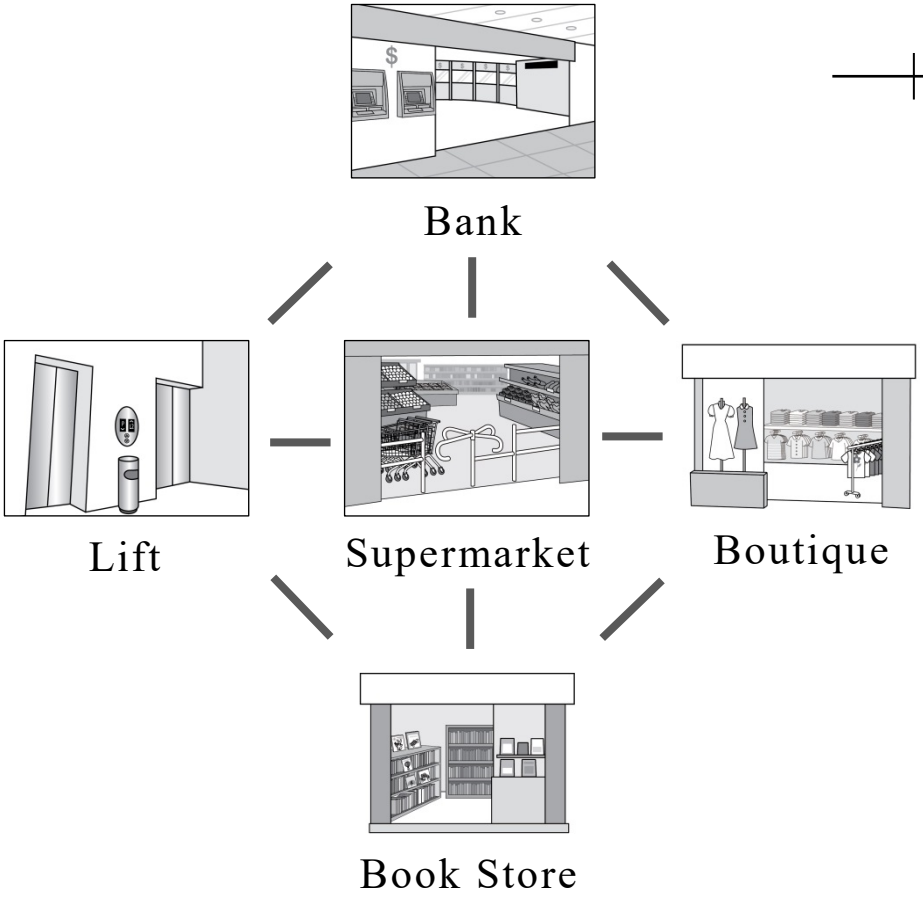
33. The map of the second floor of a shopping mall is shown below.



(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. Johnson is k years old now. Danny's age is half of Johnson's age. What was Danny's age 5 years ago?

○ A. $2k + 5$

○ B. $\frac{k - 5}{2}$

○ C. $(k + 5) \times 2$

○ D. $\frac{k}{2} - 5$

35. Which of the following is an equation?

○ A. $(3 - w) \times 2$

○ B. $2w - 1 = 0$

○ C. $3w$

○ D. $2 = 3 - 1$

36. $2.3 = 9x - 0.4$

$x =$ ☐

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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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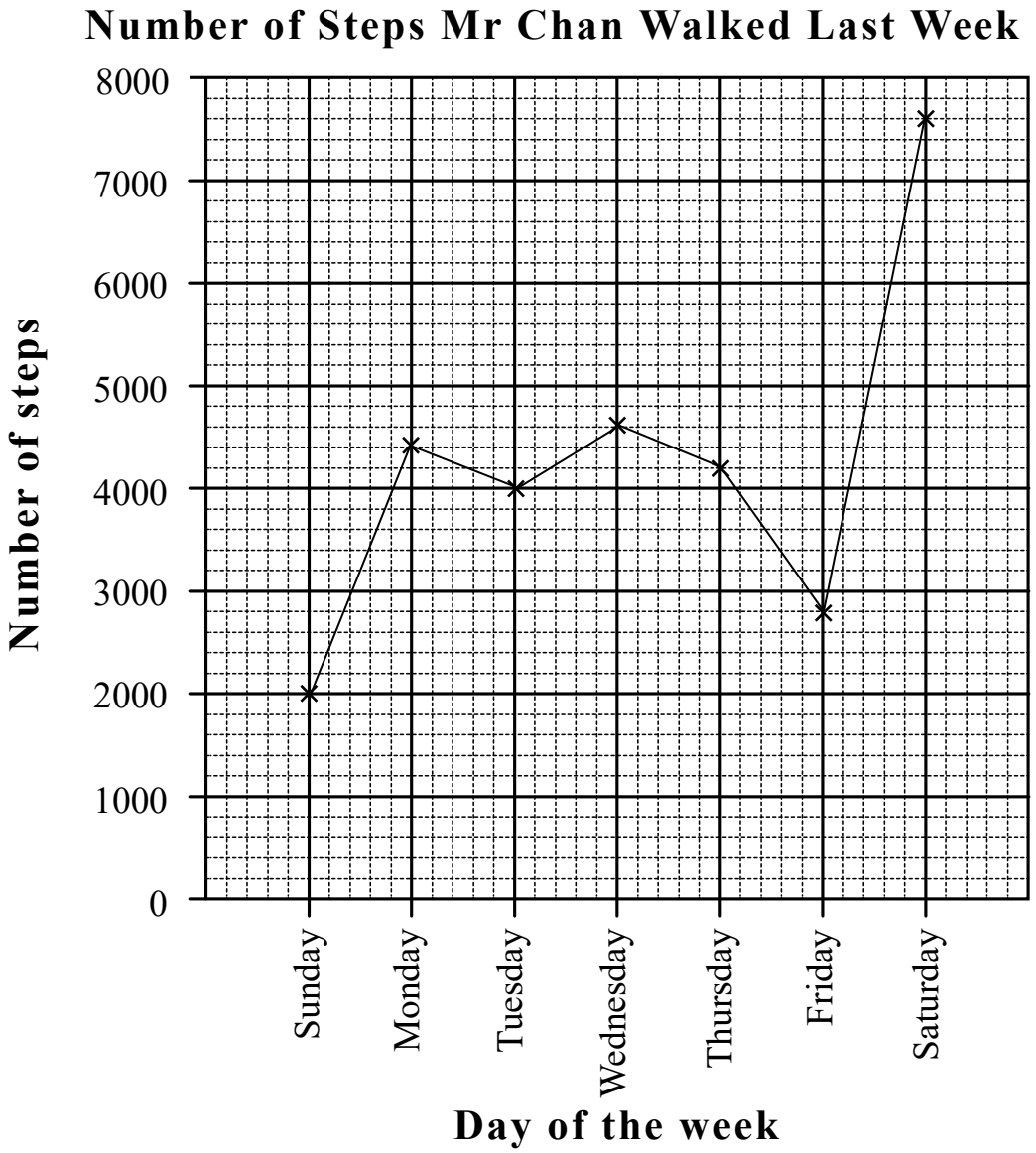
38. The following broken line graph shows the number of steps Mr Chan walked last week.



(a) The number of steps Mr Chan walked on _____ was the most.
(day of week)
There were _____ steps.

(b) The number of steps Mr Chan walked on Tuesday was _____ times that of Sunday.

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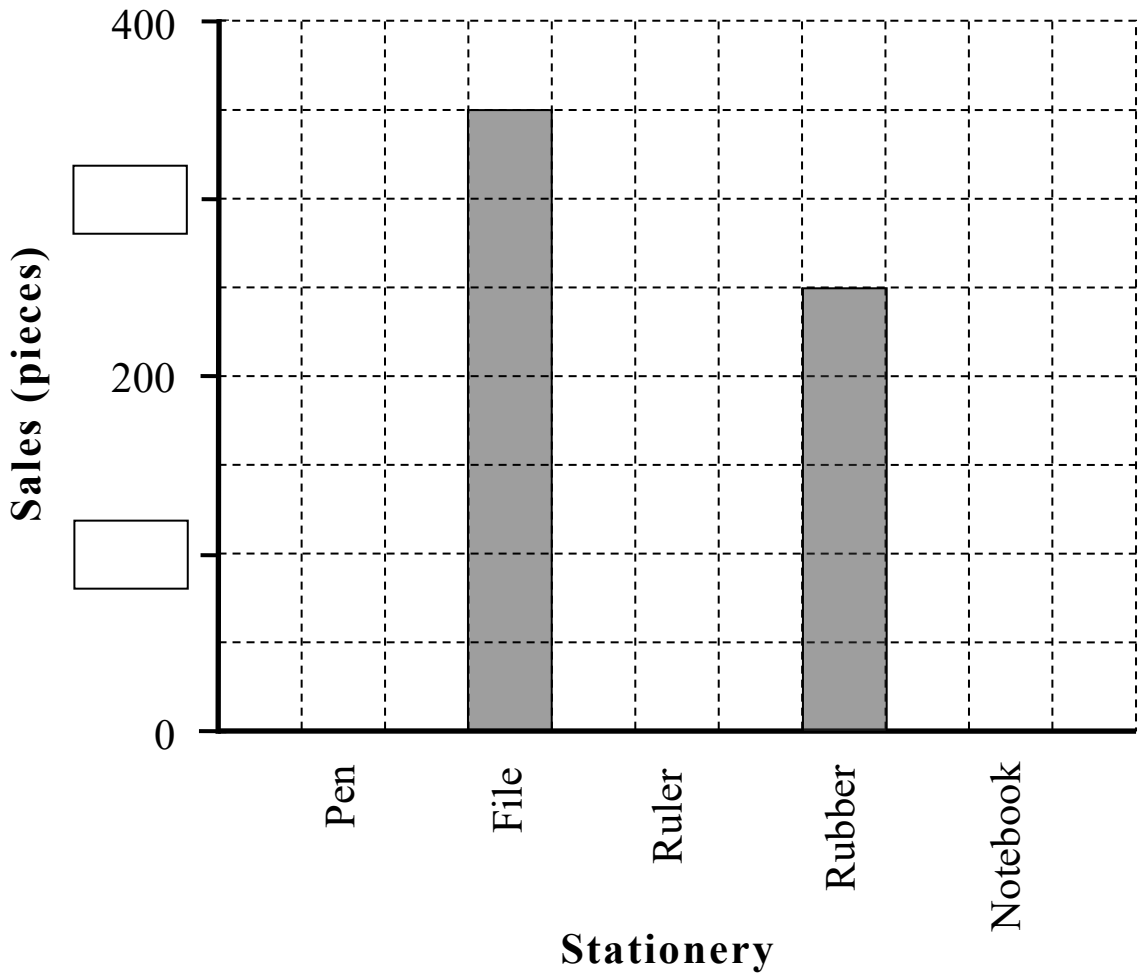
39. The table below shows the sales of different kinds of stationery at a stationery store in June.

Stationery	Pen	File	Ruler	Rubber	Notebook
Sales (pieces)	200	350	150	250	50

According to the information above, use a pencil to complete the following bar chart. Give it a title and add the scales.

(Title)



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