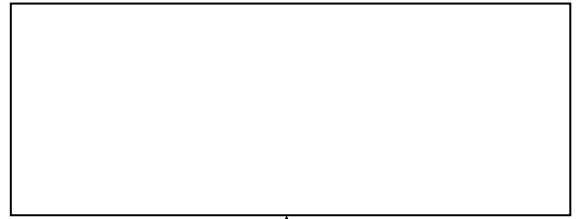




6	M	E	3
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↑  
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Please stick the barcode label in the box

**Education Bureau**  
**Territory-wide System Assessment 2025**  
**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			
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Class  
班別

6	
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Class No.  
班號

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

1. Which of the following numbers has the digit '8' in its ten millions place?

- ☐ A. 94 381 005  
☐ B. 86 522 100  
☐ C. 537 908 040  
☐ D. 812 456 000

2. Which of the following numbers are prime numbers?  
(Circle all the answers)

6

19

25

31

3. List all the factors of 21.

Answer: \_\_\_\_\_

4. Which of the following numbers are common multiples of 4 and 12?  
(Circle all the answers)

1

4

12

28

36

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Please do not write in the margin.

5. Which of the following numbers is the Highest Common Factor (H.C.F.) of 16 and 40?

- ☐ A. 80
- ☐ B. 8
- ☐ C. 4
- ☐ D. 1

6. (a) Convert  $3\frac{5}{6}$  to an improper fraction.

Answer:

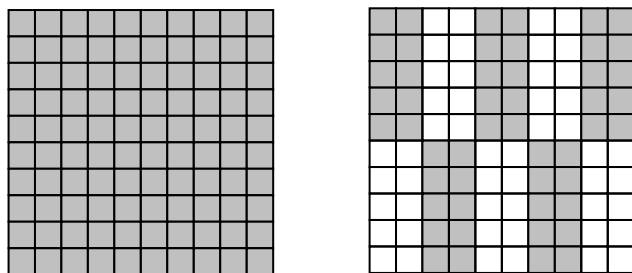
(b) Fill in the box with the correct number.

$$\frac{4}{7} = \frac{56}{\boxed{\phantom{000}}}$$

Please do not write in the margin.



7.



There are two large squares in the diagram above. Each large square stands for 1.

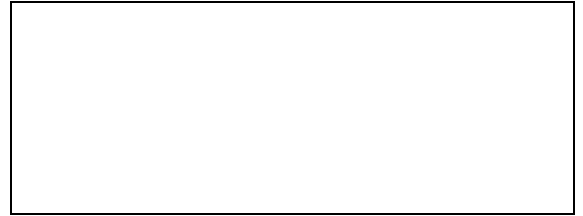
Use a decimal to represent the shaded parts in the diagram.

- ☐ A.  $1\frac{1}{2}$
- ☐ B. 1.05
- ☐ C. 1.5
- ☐ D. 150

8. Convert 1.75 to a fraction in the lowest terms.

Answer:

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

10.5 , 1.526 , 10.26

Answer: \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_  
(Smallest) (Largest)

10. (a) Convert  $\frac{4}{5}$  to a percentage.

Answer: \_\_\_\_\_ %

- (b) Convert 250% to a decimal.

Answer: \_\_\_\_\_

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Please do not write in the margin.

11.  $760 - 510 \div 5 =$

- ☐ A. 50
- ☐ B. 102
- ☐ C. 658
- ☐ D. 748

12.  $2\frac{7}{10} \times \frac{5}{9} \div 6 =$

13.  $9 \times (\frac{5}{6} - \frac{1}{2}) =$

14.  $1.8 \times 5.2 =$  \_\_\_\_\_

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Please do not write in the margin.

15.  $2.5 \div 6 =$  \_\_\_\_\_

(Round the answer to two decimal places)

16. Jack had a roll of ribbon. He used  $1\frac{3}{4}$  m to pack a gift and  $\frac{2}{5}$  m was left. The original length of the ribbon

was

m.

17. Mrs Tong paid 36 dollars for  $1\frac{1}{2}$  kilograms of tomatoes.

Each kilogram of tomatoes costs

dollar(s).

18. Each bottle has 0.5 L of water. Mr Lee bought 6 bottles of water. After drinking 1.25 L, \_\_\_\_\_ L of water was/ were left.

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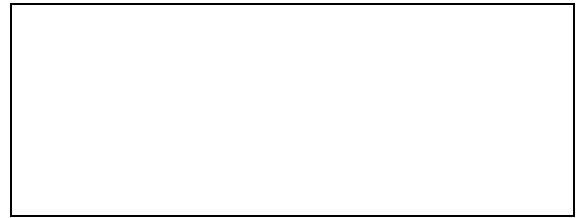
19. There are 40 questions in an online exercise. Bella has done 70% of all the questions. How many questions have not been done?  
(Show your working)

Please do not write in the margin.

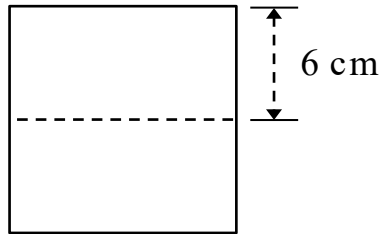
20. A movie started at 2:30 p.m. and finished at 4:38 p.m.  
The movie lasted for \_\_\_\_\_ minute(s).



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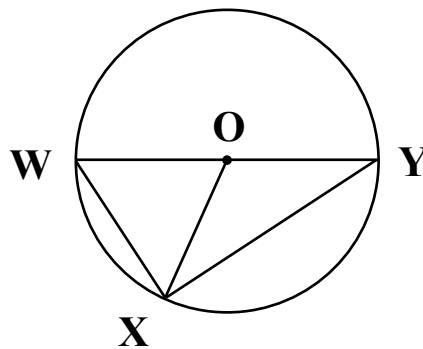
21.



Joe folded a square paper in half to form 2 equal rectangles (as shown in the diagram above).

The perimeter of the square paper is \_\_\_\_\_ cm.

22. In the figure below, **O** is the centre of the circle. **W**, **X** and **Y** are points on the circumference. **WY** is a straight line passing through the centre of the circle.



- (a) **OX** is 4 cm long. **WY** is \_\_\_\_\_ cm long.
- (b) The circumference of the circle is \_\_\_\_\_ cm.  
(Take  $\pi$  as 3.14)

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Please do not write in the margin.

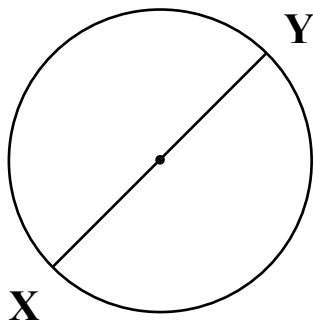


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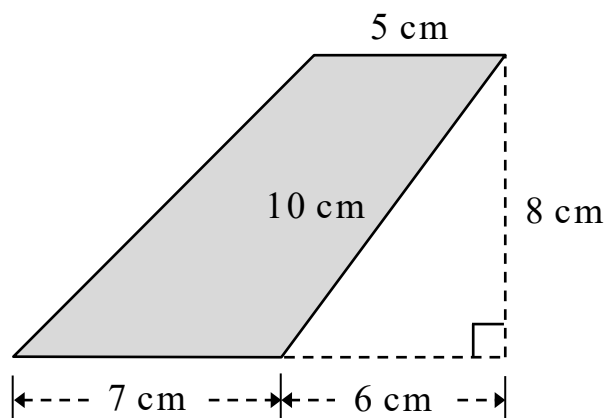
Answer: \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_  
(Smallest) (Largest)

24. In the figure below, **XY** is the longest line segment in the circle.



**XY** is 10 cm long. The area of the circle is \_\_\_\_\_  $\text{cm}^2$ . (Take  $\pi$  as 3.14)

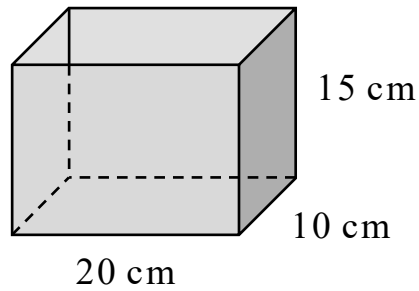
25.



What is the area of the trapezium above?

- ☐ A.  $48 \text{ cm}^2$
- ☐ B.  $60 \text{ cm}^2$
- ☐ C.  $72 \text{ cm}^2$
- ☐ D.  $96 \text{ cm}^2$

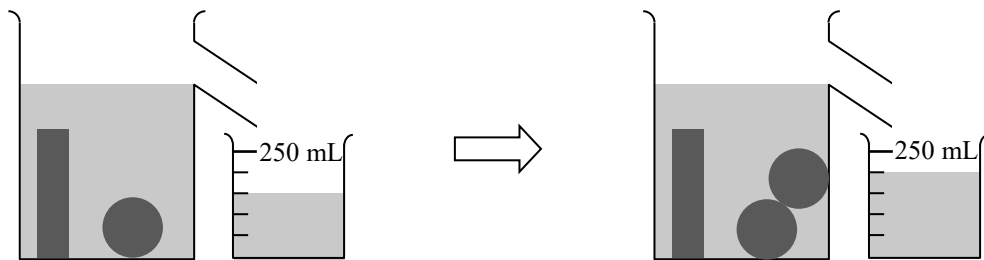
26.



(a) The diagram above is a cuboid container. The container is filled up with water. The volume of the water is \_\_\_\_\_  $\text{cm}^3$ .

(b) The capacity of the container is \_\_\_\_\_ L.

27.



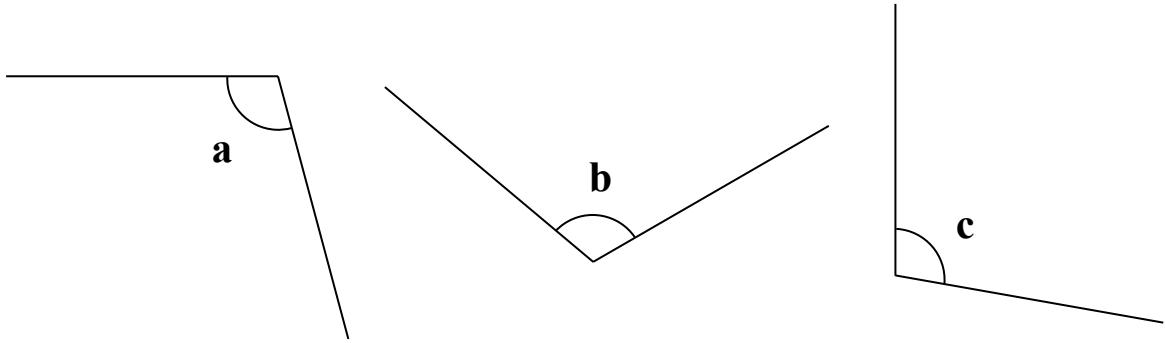
The volume of each ● is \_\_\_\_\_  $\text{cm}^3$ .

28. A cargo ship travels at an average speed of 30 kilometres per hour.

It travels 135 kilometres in \_\_\_\_\_ hour(s).

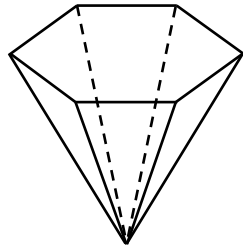
Please do not write in the margin.

29. Measure the following angles with a protractor. Arrange them from the largest to the smallest. Write all the letters for the answers.



Answer:  $\angle$  \_\_\_\_\_ ,  $\angle$  \_\_\_\_\_ ,  $\angle$  \_\_\_\_\_  
(Largest) (Smallest)

30.



The figure above is a 3-D shape.

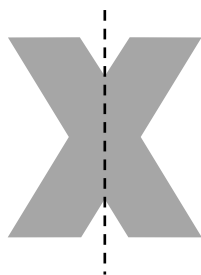
It has \_\_\_\_\_ edge(s).

Please do not write in the margin.

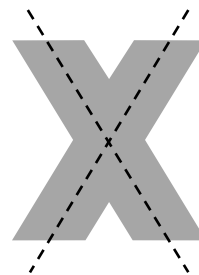
31. Which of the following 2-D shapes must have two pairs of opposite sides parallel and four sides equal?

- ☐ A. Pentagon
- ☐ B. Rectangle
- ☐ C. Trapezium
- ☐ D. Rhombus

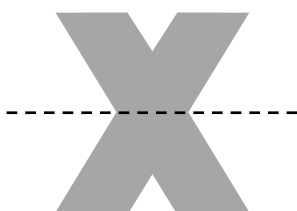
32. Which of the following diagrams can indicate all the axes of symmetry of the shape with a dotted line/ dotted lines?



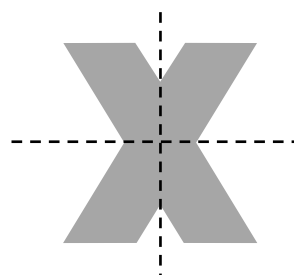
☐ A.



☐ B.



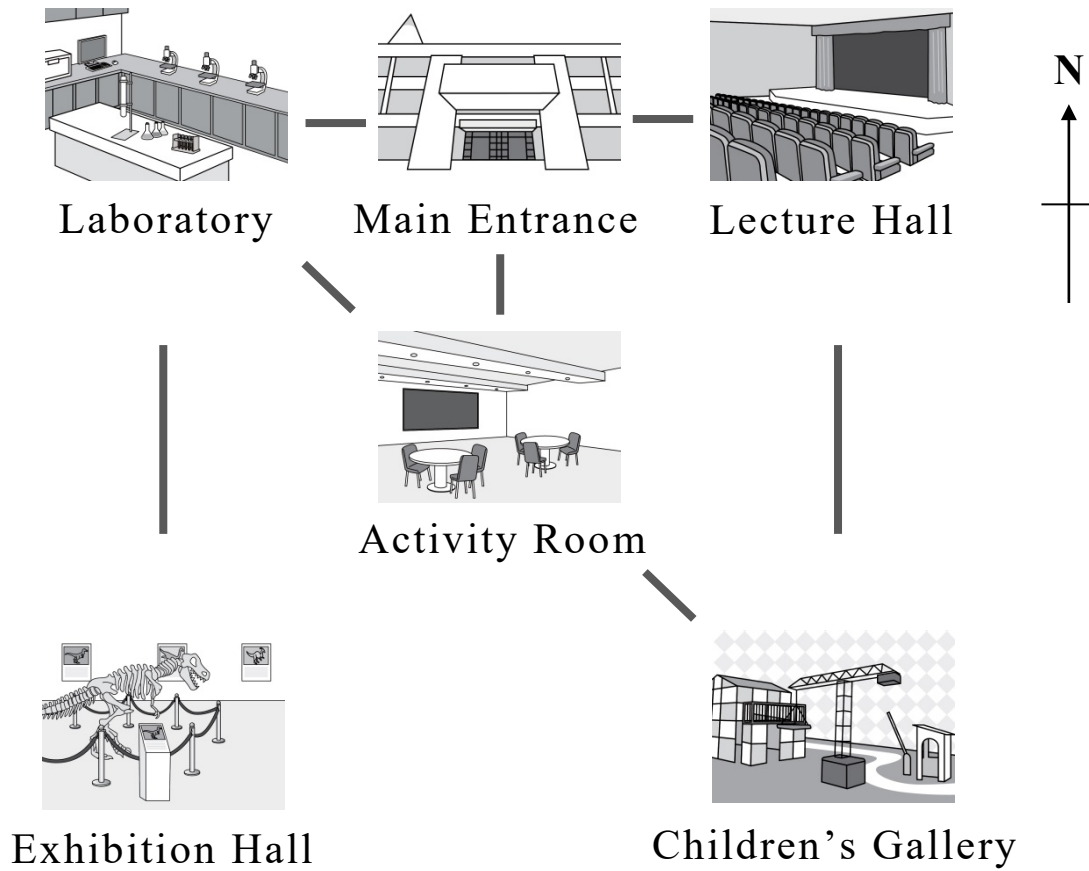
☐ C.



☐ D.

Please do not write in the margin.

33. The map of a science museum is shown below.



Please do not write in the margin.

- (a) Starting from Main Entrance, Ronald goes south to reach \_\_\_\_\_. Then he turns \_\_\_\_\_ to reach Children's Gallery.  
(direction)
- (b) Laboratory is to the \_\_\_\_\_ of Exhibition Hall.  
(direction)

34. Find the average of the five numbers below.

20 , 13 , 47 , 38 , 52

Answer: The average is \_\_\_\_\_ .

35. A basket contains  $K$  apples and some oranges. The number of oranges is 2 times the number of apples. After 4 oranges are taken away, how many oranges are left in the basket?

- ☐ A.  $2K - 4$   
☐ B.  $(K - 4) \times 2$   
☐ C.  $\frac{K}{2} - 4$   
☐ D.  $\frac{K - 4}{2}$

36.  $\frac{b}{4} + 16 = 21$

$b =$



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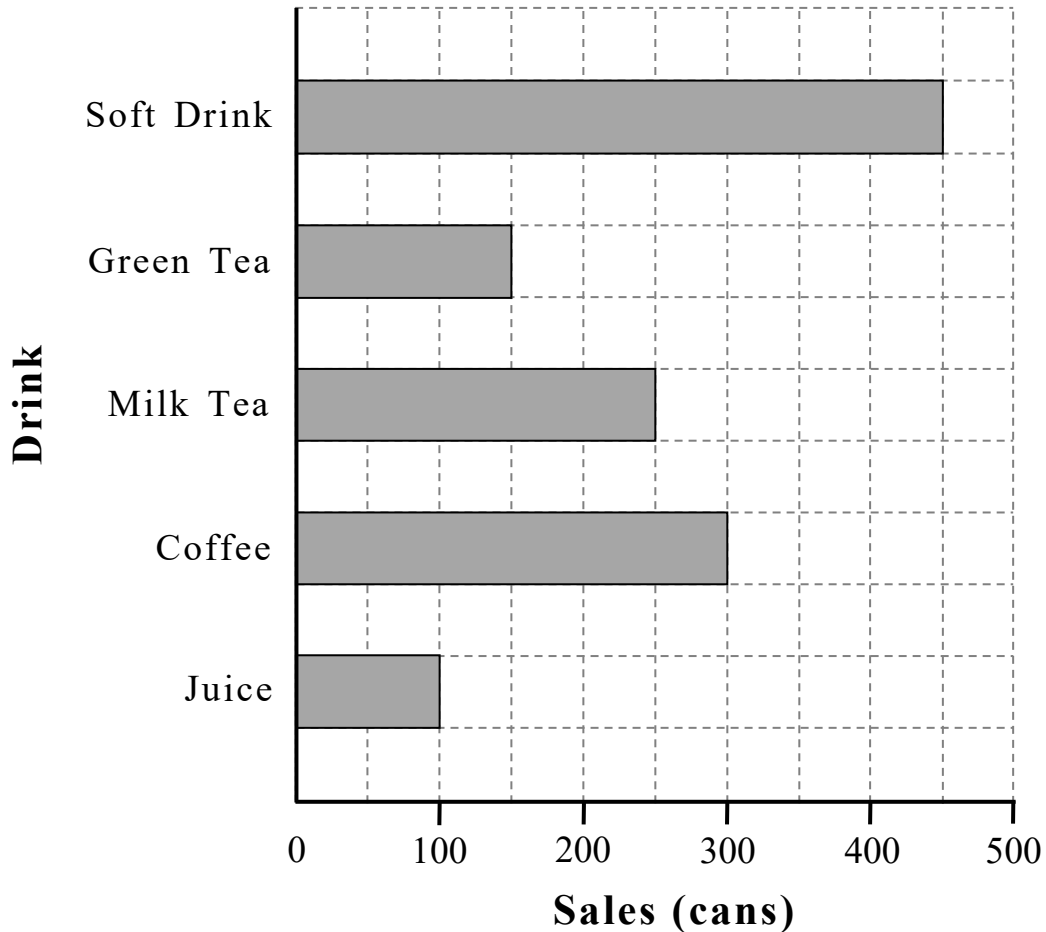
37. Lily bought 13 balloons and 1 toy car. She paid \$38 in total. Each toy car costs \$12. Find the price of each balloon by *the method of solving an equation*. (Show your working)

Please do not write in the margin.

Please do not write in the margin.

38. The following bar chart shows the sales of different kinds of drinks at a convenience store last week.

**Sales of Different Kinds of Drinks at  
a Convenience Store Last Week**



Please do not write in the margin.

- (a) The sales of \_\_\_\_\_ were the most.  
\_\_\_\_\_ cans were sold.
- (b) What fraction of the sales of coffee were the sales of juice?

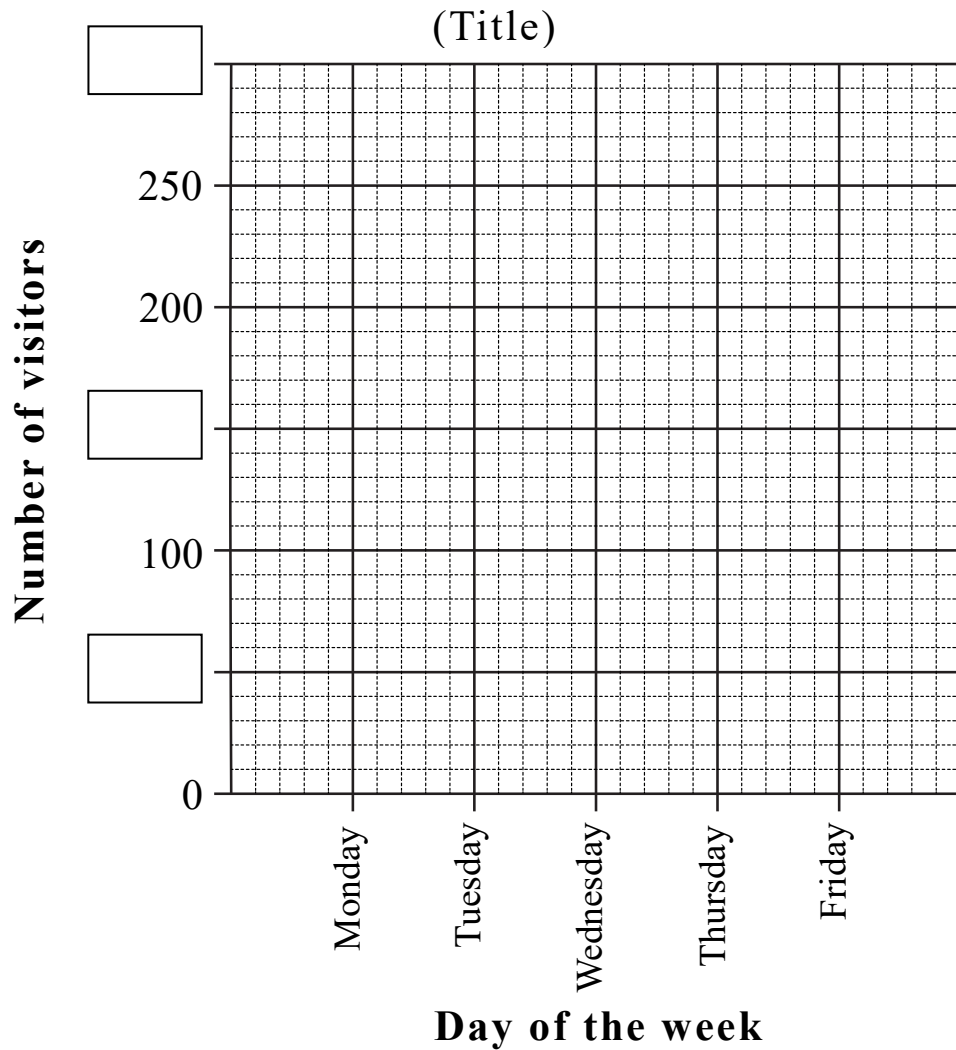
Answer: The sales of juice were  of that  
of coffee.

Please do not write in the margin.

39. The table below shows the number of visitors of an exhibition hall last week.

Day of the week	Monday	Tuesday	Wednesday	Thursday	Friday
Number of visitors	200	230	120	160	250

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



— END OF PAPER —

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