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Please stick the barcode label in the box

Education Bureau
Territory-wide System Assessment 2019
Primary 6
Mathematics

Instructions:

1. Stick barcode labels on pages 1, 3, 5, 7 and 9 in the spaces provided.
2. There are 36 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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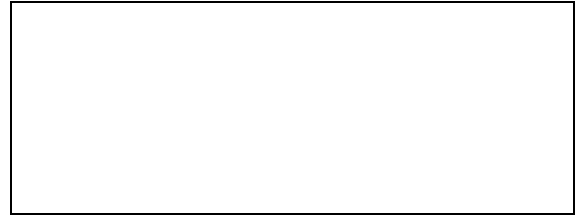
Class No.
班號

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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. In the number 50 123, the digit '5' is in
the _____ place.
2. Which of the following numbers is a factor of 56?
 - ☐ A. 9
 - ☐ B. 14
 - ☐ C. 112
 - ☐ D. 560
3. Which of the following numbers is a common factor
of 12 and 30?
 - ☐ A. 4
 - ☐ B. 6
 - ☐ C. 15
 - ☐ D. 60
4. The Least Common Multiple (L.C.M.) of 8 and 18 is
 - ☐ A. 2.
 - ☐ B. 36.
 - ☐ C. 72.
 - ☐ D. 144.

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Please do not write in the margin.

5. Which of the following fractions is the smallest?

(Circle the answer)

$$\frac{13}{14}, \quad \frac{11}{14}, \quad \frac{6}{7}$$

6. Fill in the boxes with the correct numbers.

(a)

$$\frac{5}{12} = \frac{25}{\boxed{}}$$

(b)

$$\frac{30}{18} = \frac{\boxed{}}{6}$$

7. Change $\frac{6}{7}$ into a decimal correct to two decimal places.

Answer: _____

Please do not write in the margin.

8. In the number 23.75, which digit stands for the smallest value?

- ☐ A. '2'
- ☐ B. '3'
- ☐ C. '5'
- ☐ D. '7'

9. When 530 is divided by 15, the quotient is _____
and the remainder is _____ .

10. $2.4 \div (2.6 - 0.8) =$ _____
(Round the answer to two decimal places)

11. $\frac{1}{7} + 3\frac{2}{7} - 2\frac{4}{7} =$

12. $\frac{3}{8} \div 3 \times \frac{4}{5} =$

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13. $600 - 550 \div 5 =$

- ☐ A. 10
- ☐ B. 490
- ☐ C. 589
- ☐ D. 590

14.



Original Price
399 dollars

During a sale, Helen bought a bicycle. The original price was 399 dollars. She paid with a 500-dollar note and got 301 dollars change.

Which of the following expressions is most suitable for estimating the amount (in dollars) Helen has saved?

- ☐ A. $300 - (500 - 300)$
- ☐ B. $400 - (500 - 400)$
- ☐ C. $400 - (500 - 300)$
- ☐ D. $500 - (500 - 400)$

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Please do not write in the margin.

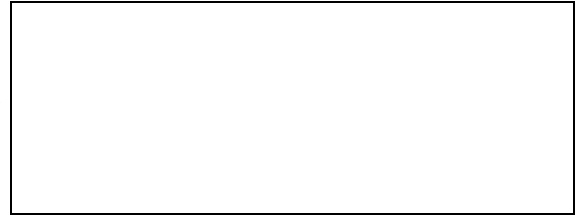
15. Yesterday, Mr Chan worked for $3\frac{2}{3}$ hours in the morning.

He had lunch for $1\frac{1}{2}$ hours and then worked for $3\frac{1}{4}$ hours in the afternoon.

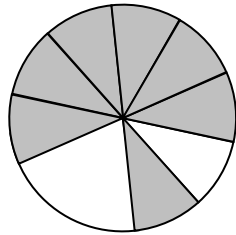
Yesterday, Mr Chan spent hours on his work and lunch altogether.

16. There were 56 candies in a bottle. After Peter ate 16 candies, Susan ate $\frac{3}{5}$ of the rest. How many candies did Susan eat?
(Show your working)

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



Answer: _____ % of the whole figure is shaded.

18. (a) Change $1\frac{9}{50}$ into a percentage.

Answer: _____ %

- (b) Change 4.5% into a fraction and reduce it to the simplest form.

Answer:

Please do not write in the margin.

Please do not write in the margin.

19. The calendar for January is shown below.

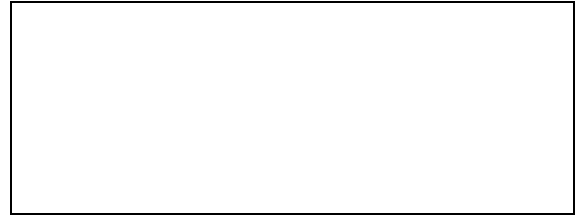
January						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

(a) The 29th of January is _____ .
(day of the week)

(b) The fourth Sunday of January is the
_____ of _____ .
(day) (month)

(c) The ‘Technology Exhibition’ lasts for four days.
It starts on the 5th of January and ends on the
_____ of _____ .
(day) (month)

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20.

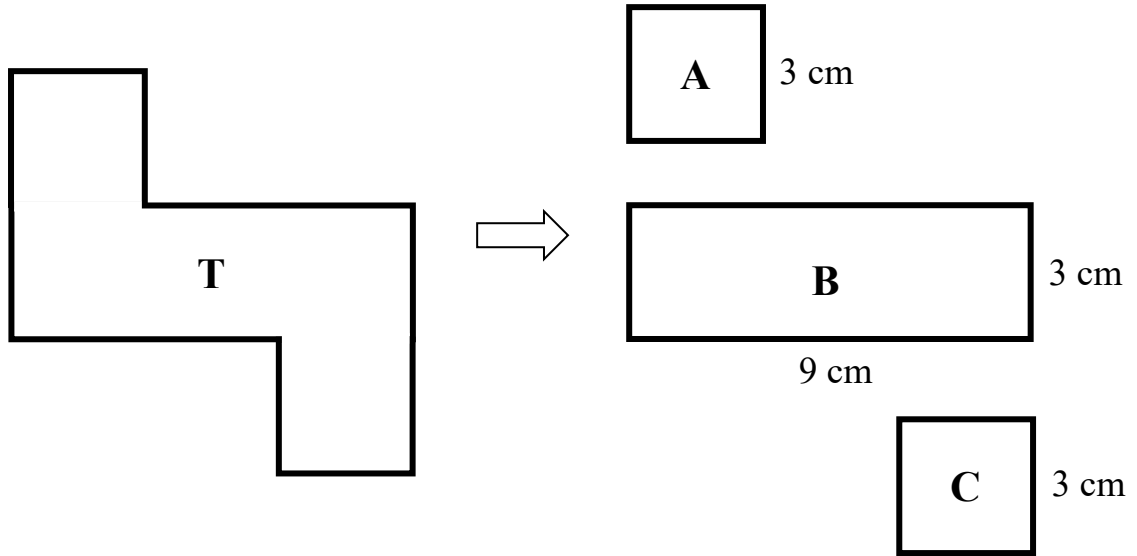


Figure **T** is divided into squares **A**, **C** and a rectangle **B**.

- (a) The perimeter of **A** is _____ cm.
- (b) The perimeter of **B** is _____ cm.
- (c) The perimeter of **T** is _____ cm.

21. Fill in the following blanks with suitable units.

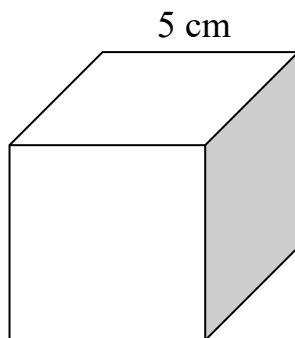
- (a) The weight of a tablet computer is about
0.5 _____ .
- (b) The capacity of a plastic bucket is about
5 _____ .



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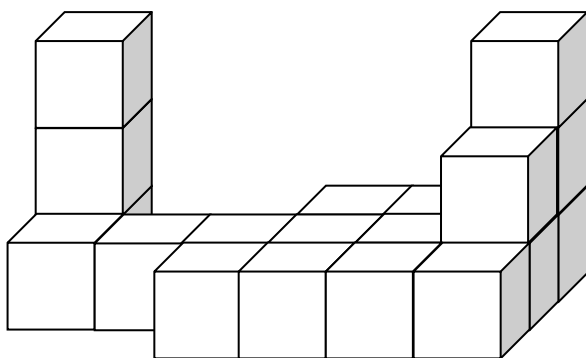
22.

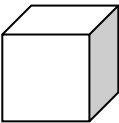


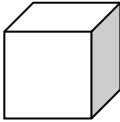
Each side of the cube above is 5 cm. Its volume is

- ☐ A. 25 cm^2 .
☐ B. 25 cm^3 .
☐ C. 125 cm^2 .
☐ D. 125 cm^3 .

23.



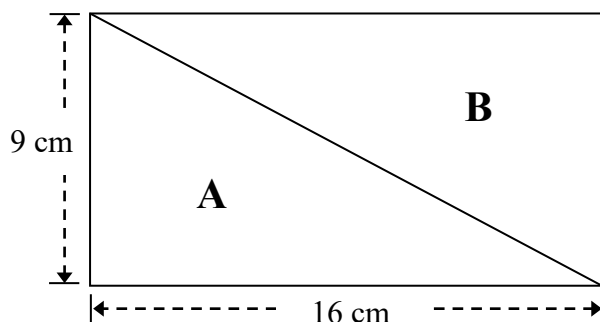
The solid shown above is made up of  .

The volume of each  is 1 cm^3 .

The volume of the solid is _____ .

(Give the answer with a unit)

24.



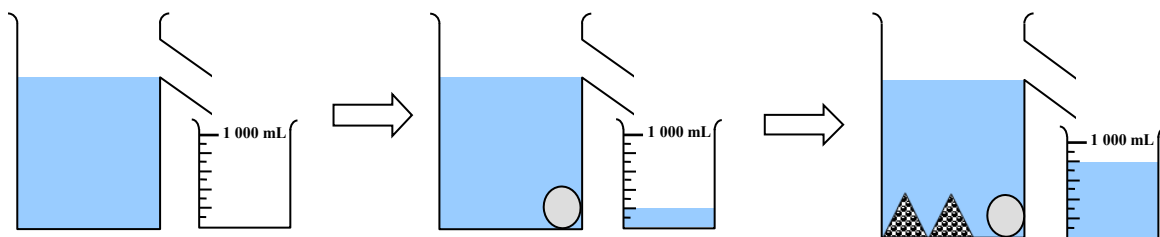
The rectangle above is formed by triangles **A** and **B**.

(a) **A** is * an isosceles / a right-angled / an equilateral triangle.

(*Circle the answer)

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

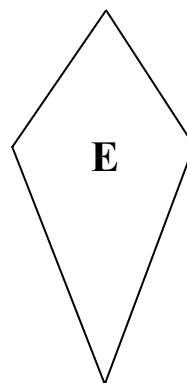
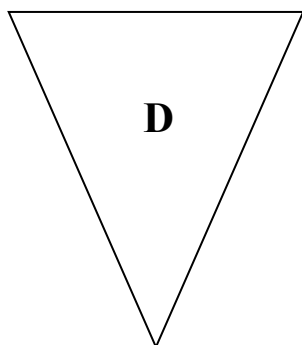
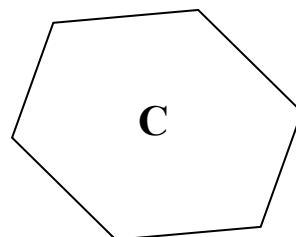
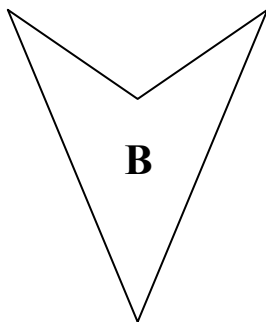
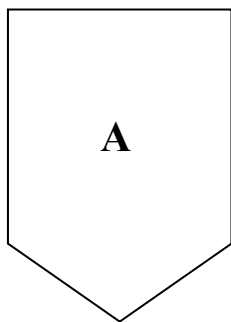
25.



(a) The volume of one  is _____ cm^3 .

(b) The volume of one  is _____ cm^3 .

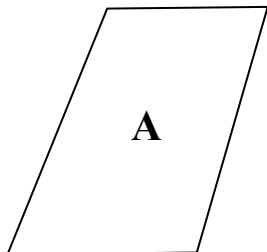
26. Study the 2-D shapes below. Write all the letters for the answers.



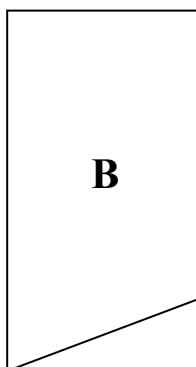
(a) Triangle: _____

(b) Hexagon: _____

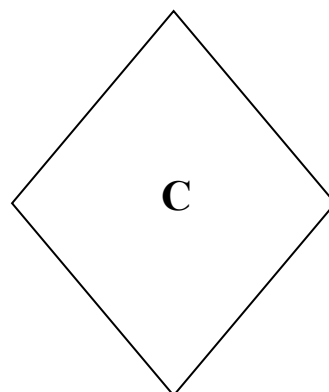
27. Study the 2-D shapes below. Write all the letters for the answers.



A



B

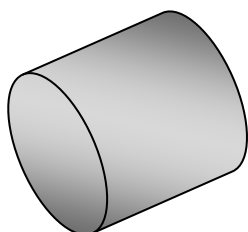


C

Rhombus: _____

Trapezium: _____

28.

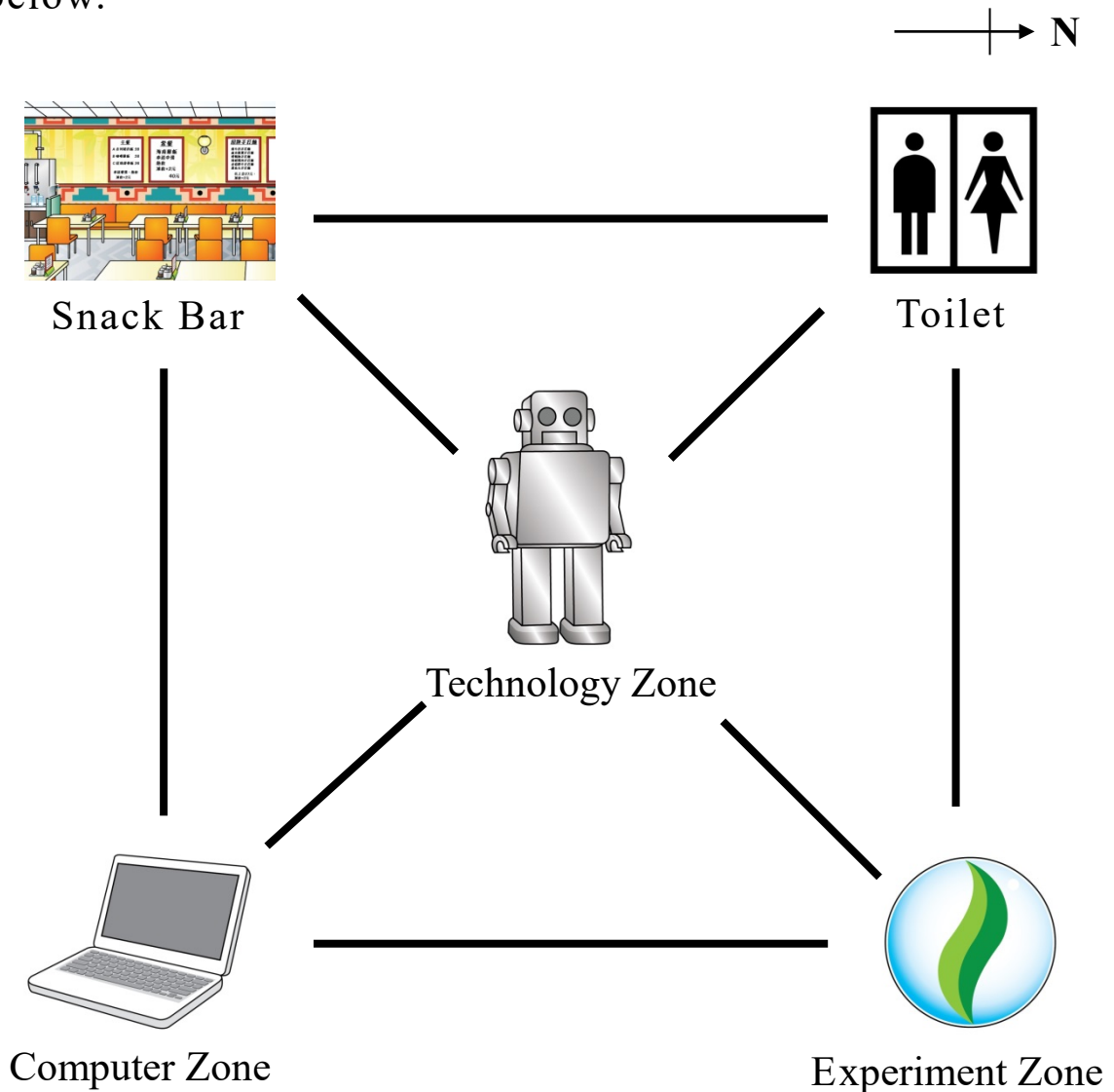


The 3-D shape in the figure above is a

- ☐ A. sphere.
- ☐ B. cylinder.
- ☐ C. cone.
- ☐ D. prism.

Please do not write in the margin.

29. The floor plan of the Technology Exhibition is shown below.



(a) Experiment Zone is to the _____ of
(direction)
Computer Zone.

(b) Starting from Technology Zone, Kenny goes
_____ to reach Snack Bar.
(direction)

Then he turns _____ to reach Computer
(direction)
Zone.

Please do not write in the margin.

30. Jane donated some of her pocket money. After she donated x dollars of pocket money, the remaining amount was 60 dollars. What was the original amount (in dollars) of Jane's pocket money?

- ☐ A. $60 + x$
- ☐ B. $60 - x$
- ☐ C. $60x$
- ☐ D. $\frac{60}{x}$

31. Which of the following is an equation?

- ☐ A. $5y - 20$
- ☐ B. 25
- ☐ C. $2 + \frac{w}{8} = 6$
- ☐ D. $12 = 2 \times 6$

32. $9x - 2 = 6$

$x =$

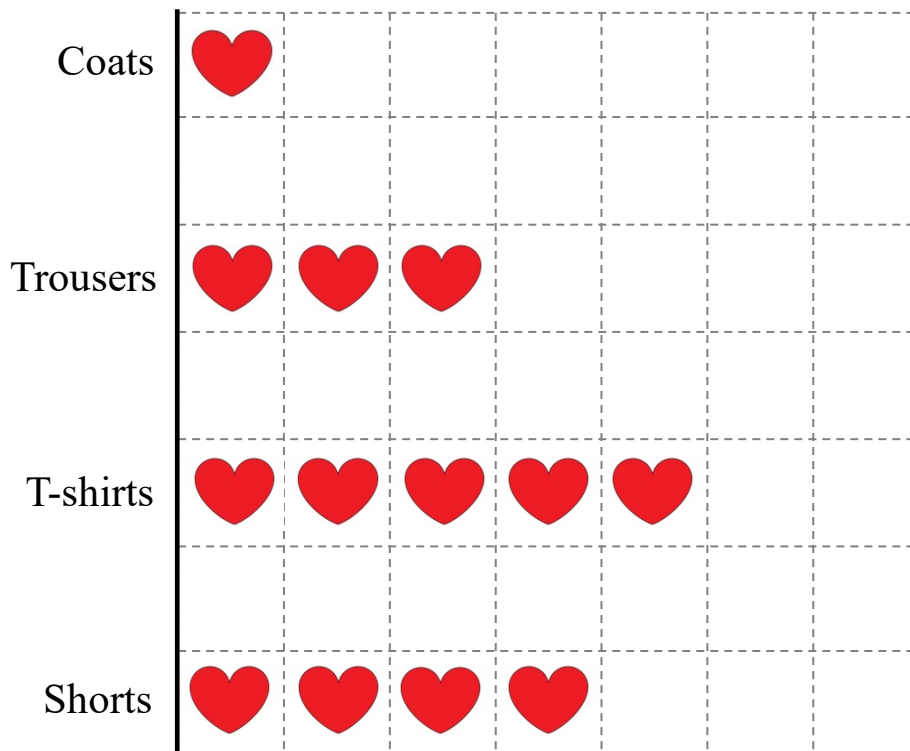
33. Bonnie bought 3 robots and 1 bicycle. She paid 1 410 dollars altogether. The price of a bicycle was 750 dollars. Find the price of each robot by *the method of solving an equation*.

(Show your working)

34. The following pictogram shows the quantity of clothes collected by a school for recycling last month.

**Quantity of Clothes Collected by a School
for Recycling Last Month**

Each  stands for 10 items



- (a) A total of _____ pairs of trousers and shorts were collected for recycling last month.
- (b) The quantity of the coats collected for recycling last month was _____ % of that of the T-shirts.

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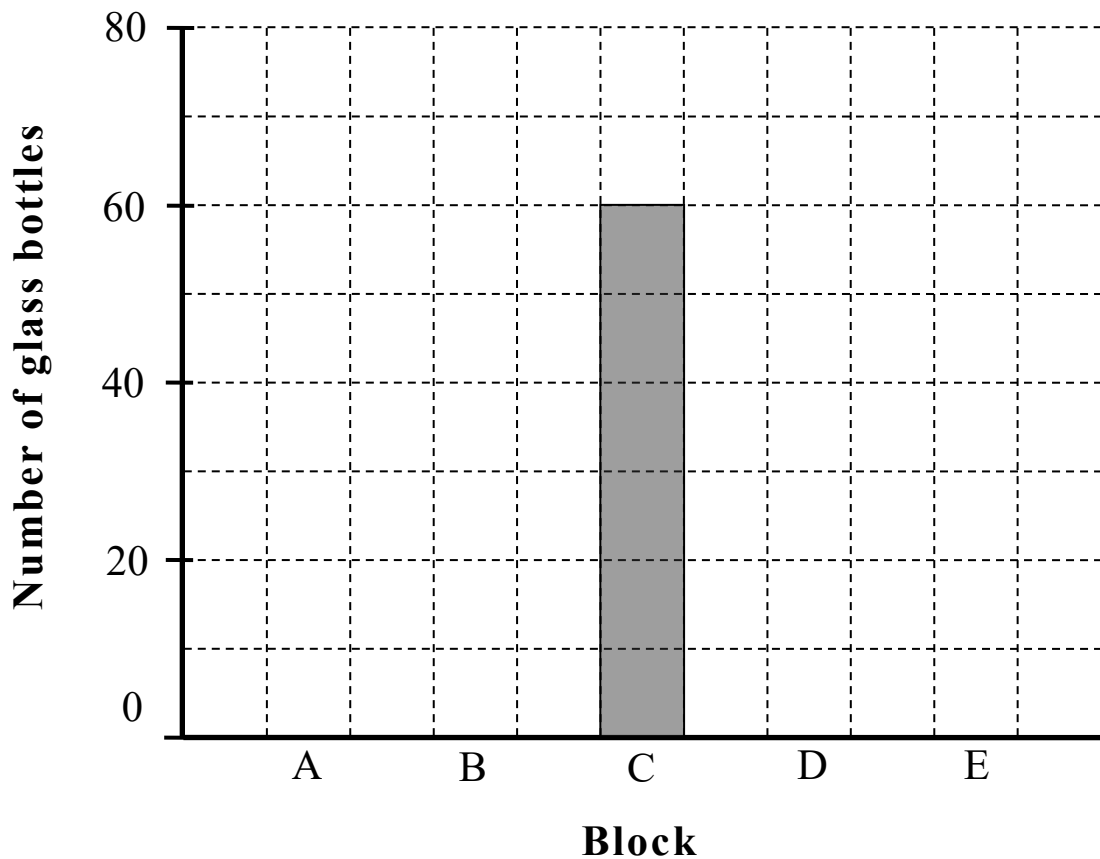
35. The table below shows the number of glass bottles collected by an estate last month.

Block	A	B	C	D	E
Number of glass bottles	20	40	60	30	10

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



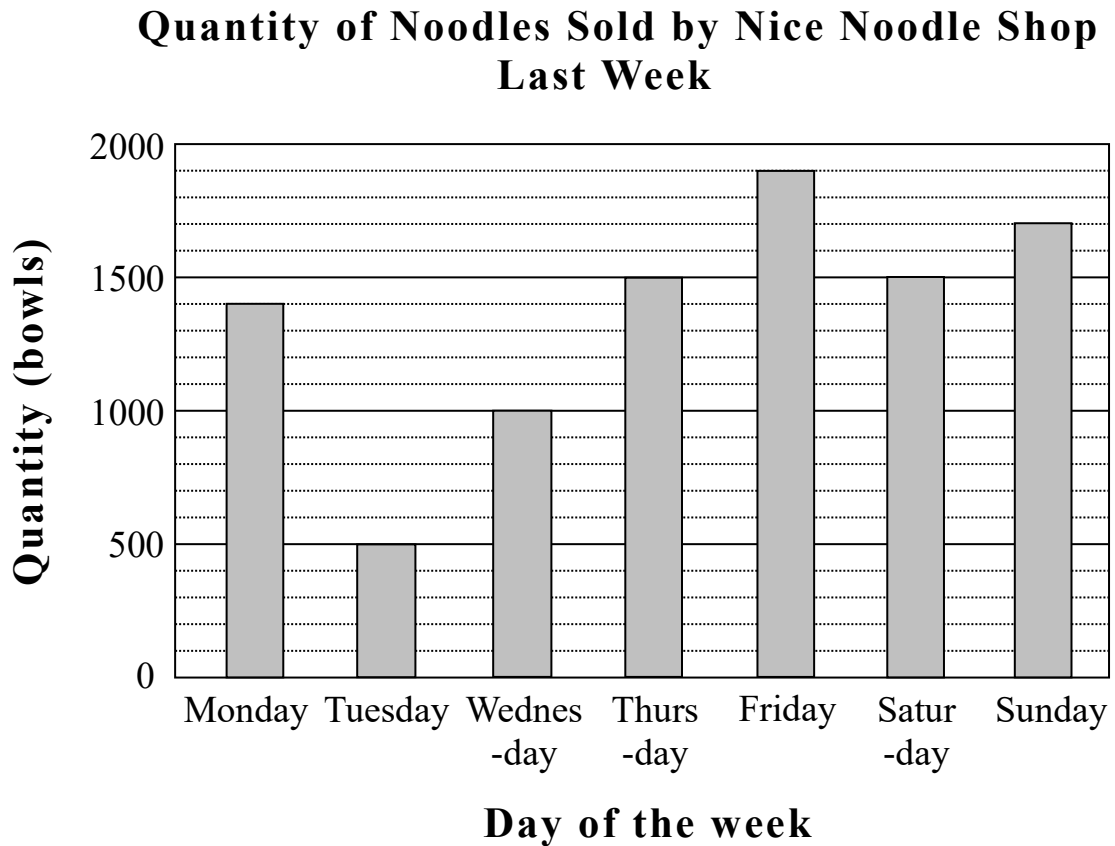
(Title)



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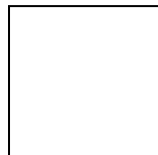
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36. The following bar chart shows the quantity of noodles sold by Nice Noodle Shop last week.



- (a) The quantity of noodles sold on _____
(day of the week)
was the most. _____ bowls were sold.
- (b) What fraction of the quantity of noodles sold on
Thursday was the quantity of noodles sold on
Tuesday?

Answer: The quantity of noodles sold on Tuesday was



of that of Thursday.

— END OF PAPER —

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