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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. Which of the following numbers has the digit '5' in its thousands place?

- ☐ A. 50 961
- ☐ B. 16 059
- ☐ C. 69 105
- ☐ D. 95 610

2. Which of the following numbers is a multiple of 48?

- ☐ A. 8
- ☐ B. 24
- ☐ C. 96
- ☐ D. 124

3. List all the factors of 93.

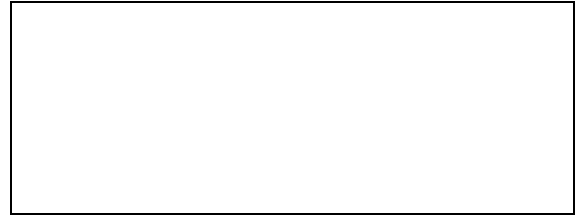
Answer: _____

4. The Highest Common Factor (H.C.F.) of 8 and 36
is _____ .

5. $\frac{8}{9}$ is * smaller than / equal to / larger than $\frac{7}{7}$.

(*Circle the answer)

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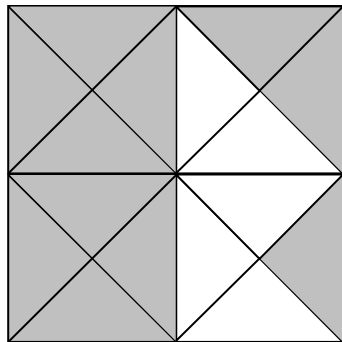
Please do not write in the margin.

6. The first common multiple of 4 and 20 is 20.

Which of the following numbers is their third common multiple?

- ☐ A. 4
- ☐ B. 40
- ☐ C. 60
- ☐ D. 80

7. Shade the figure below with a pencil so that the shaded part is $\frac{3}{4}$ of the whole figure.



Please do not write in the margin.

8. (a) Change $4\frac{3}{7}$ into an improper fraction.

Answer:

- (b) Change $\frac{54}{5}$ into a mixed number.

Answer:

9. Which of the following fractions is the smallest?

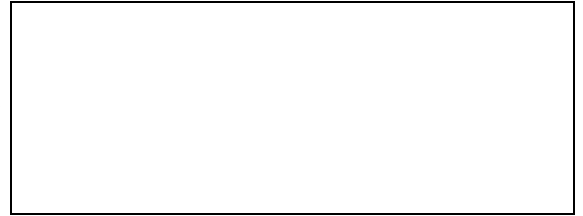
(Circle the answer)

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

10. Change 0.16 into a fraction and reduce it to the simplest form.

Answer:

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Please do not write in the margin.

11. $600 - 550 \div 5 =$

- ☐ A. 10
☐ B. 490
☐ C. 589
☐ D. 590

12. $8\frac{5}{6} - 4\frac{3}{4} + 1\frac{1}{3} =$

13. $240 \div (20 + 4) =$ _____

14. $2.18 - 0.07 + 1.5 =$ _____

15. $0.52 \div 2.6 =$ _____

Please do not write in the margin.

16. 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.

17.

Fees of Speed Delivery

Weight of a parcel	Fee
5 kg or less	\$10.00 each
More than 5 kg	\$14.50 each

Mrs Chan mails 4 parcels by speed delivery. One parcel weighs 1 kg and each of the other three weighs 6 kg.

How much should she pay altogether?

(Show your working)

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18. The original price of a smartphone was \$4 980. During the sale, Paul bought a smartphone at 78% of the original price. Which of the following expressions is most suitable for estimating the amount (in dollars) paid by Paul?

- ☐ A. $4\,000 \times 70\%$
☐ B. $5\,000 \times 70\%$
☐ C. $4\,000 \times 80\%$
☐ D. $5\,000 \times 80\%$

19. (a) Change 0.8% into a decimal.

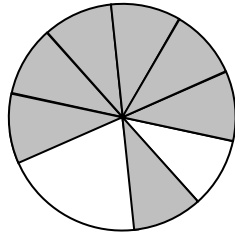
Answer: _____

- (b) Change 1.2 into a percentage.

Answer: _____ %

Please do not write in the margin.

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



Answer: _____ % of the whole figure is shaded.

21. There were 40 chocolates in a box. Cherry ate 5 chocolates.

Cherry ate _____ % of the box of chocolates.

22. 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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23. 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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24.

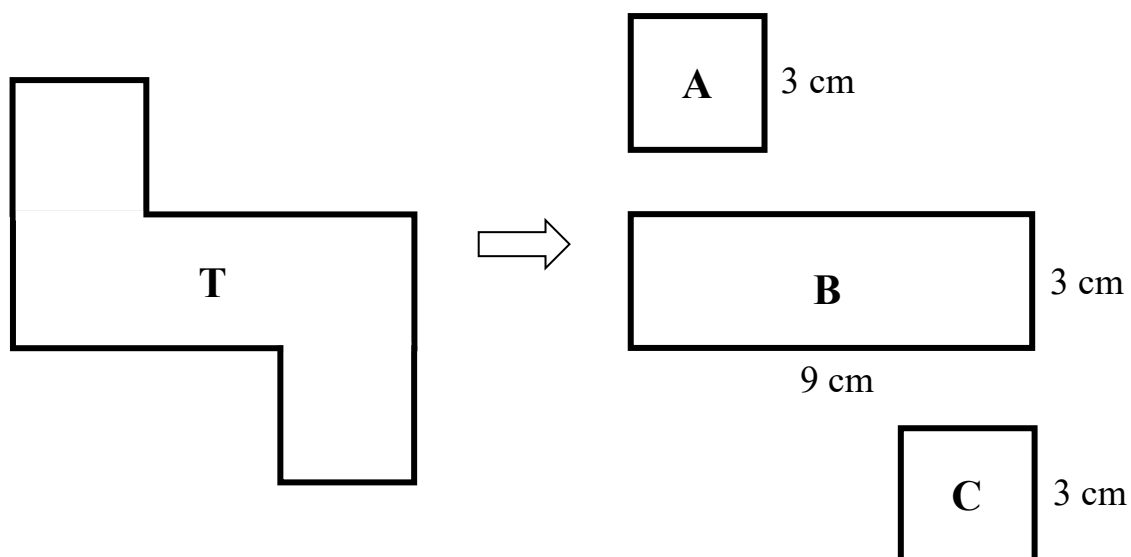
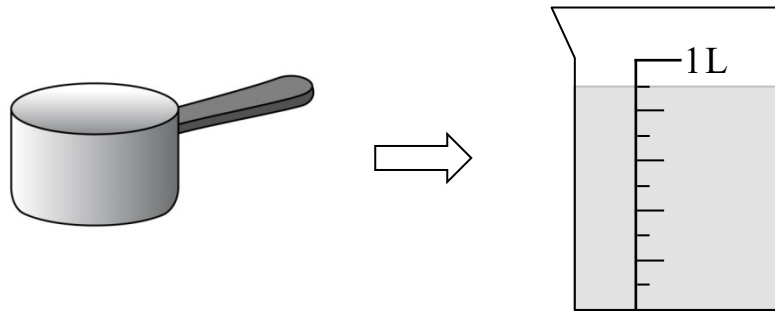


Figure **T** is divided into squares **A**, **C** and a rectangle **B**.

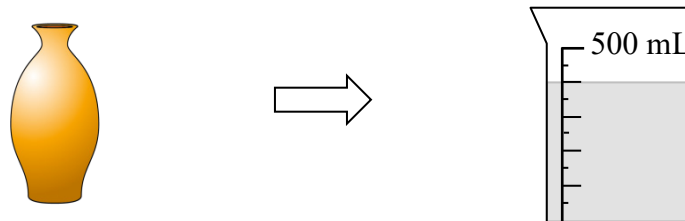
- (a) The perimeter of **A** is _____ cm.
- (b) The perimeter of **B** is _____ cm.
- (c) The perimeter of **T** is _____ cm.

25. (a) Fill up a pot with water. Then pour all the water in the pot into a measuring cup.



The capacity of the pot is _____ L.

- (b) Fill up a vase with water. Then pour all the water in the vase into a measuring cup.

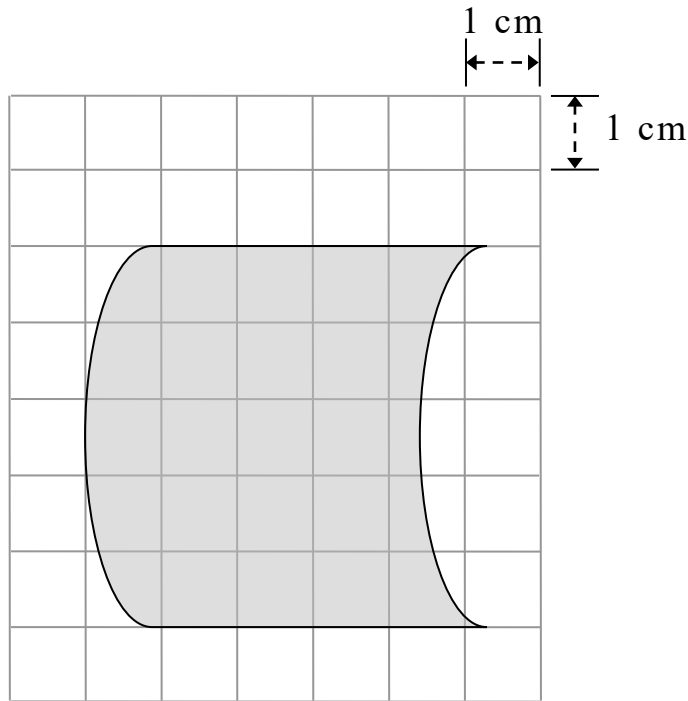


The capacity of the vase is _____ mL.

- (c) The capacity of the pot is _____ mL * more / less than that of the vase.

(*Circle the answer)

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



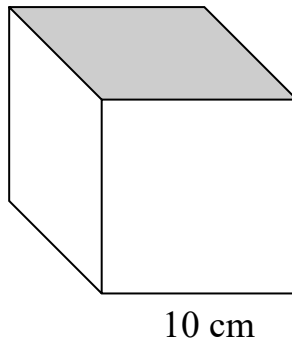
The area of the shaded part is about _____ cm^2 .

(Give the answer as a whole number)

27. The speed of a ferry is about

- ☐ A. 10 km/h.
- ☐ B. 10 h.
- ☐ C. 10 h/km.
- ☐ D. 10 km.

28.



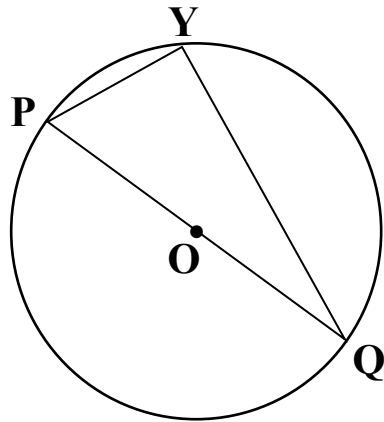
The diagram above shows a cubic container.

Its capacity is _____ mL.

29. Which of the following 2-D shapes has 4 equal sides?

- ☐ A. A trapezium
- ☐ B. A rhombus
- ☐ C. A rectangle
- ☐ D. An equilateral triangle

30. A teacher drew a triangle and a circle. **O** is the centre of the circle.



- (a) The teacher drew

* a right-angled / an isosceles / an equilateral triangle.

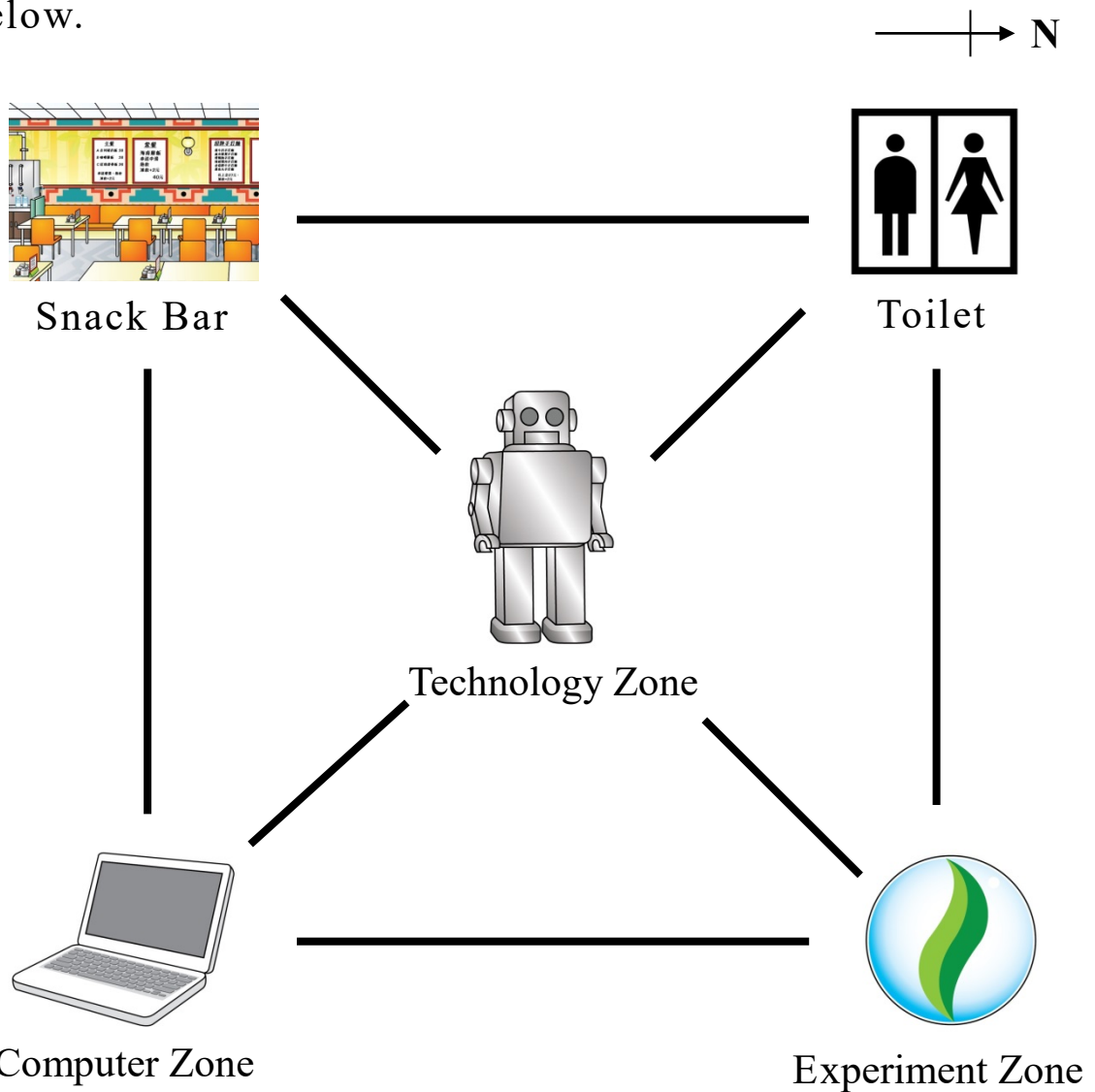
(*Circle the answer)

- (b) Which of the following straight lines is a radius?

- ☐ A. **PQ**
- ☐ B. **PO**
- ☐ C. **QY**
- ☐ D. **PY**

Please do not write in the margin.

31. 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
Zone.
(direction)

Please do not write in the margin.

32. Which of the following is an equation?

☐ A. $5y - 20$

☐ B. 25

☐ C. $2 + \frac{w}{8} = 6$

☐ D. $12 = 2 \times 6$

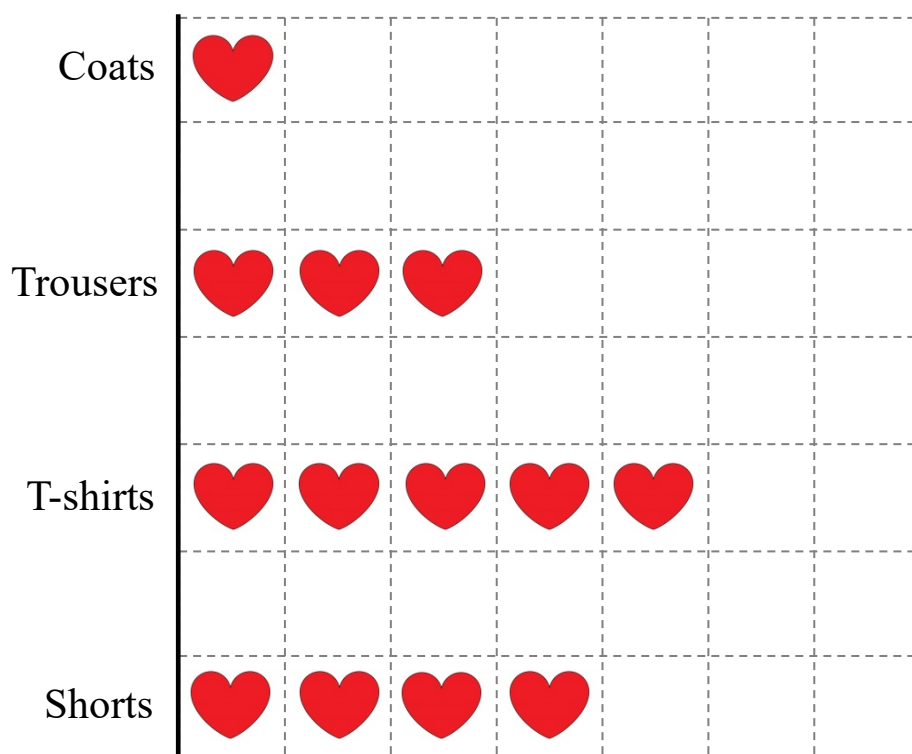
33. Bonnie bought 3 robots and 1 bicycle. She paid 1 410 dollars altogether. The price of a bicycle was 750 dollars. Find the price of each robot by *the method of solving an equation*.

(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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Please do not write in the margin.

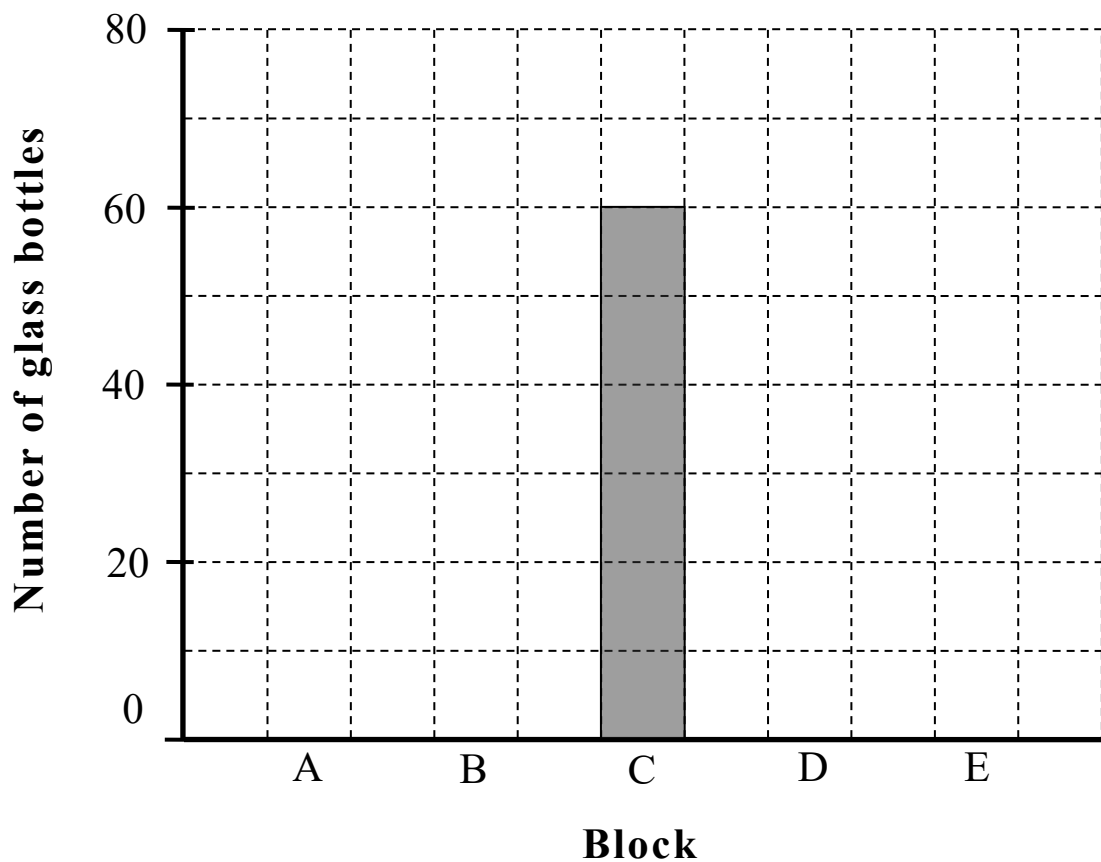
35. The table below shows the number of glass bottles collected by an estate last month.

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)



Please do not write in the margin.

36. Find the average of the 4 numbers below.

8.9 , 11.5 , 35.1 , 52.5

Answer: The average is _____ .

— END OF PAPER —

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