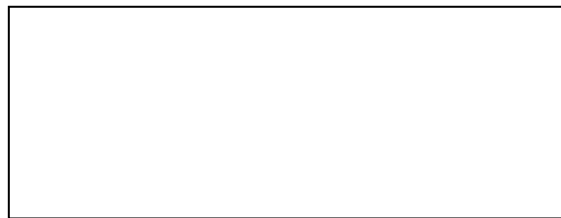




6	M	E	2
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↑
請把電腦條碼貼在方格內
Please stick the barcode label in the box

Education Bureau
Territory-wide System Assessment 2018◆
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

◆2018 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 2018 P6 TSA has been suspended. Participation in the 2018 P6 TSA is on a voluntary basis. As a result, this is a TSA in which not all P6 students will participate.

1. Which of the following numbers has the digit '6' in its ten thousands place?

 - ☐ A. 6 182
 - ☐ B. 60 281
 - ☐ C. 82 106
 - ☐ D. 82 160

2. Which of the following numbers is a multiple of 28?

 - ☐ A. 14
 - ☐ B. 46
 - ☐ C. 56
 - ☐ D. 64

3. List all the factors of 76.

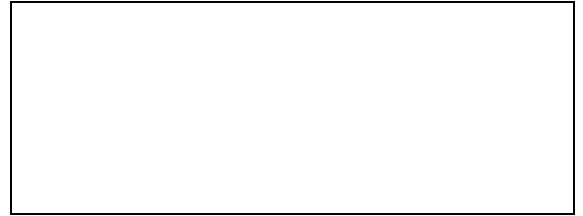
Answer: _____

4. The Highest Common Factor (H.C.F.) of 16 and 24
is _____ .

5. $\frac{4}{7}$ is * smaller than / equal to / larger than $\frac{7}{7}$.

(*Circle the answer)

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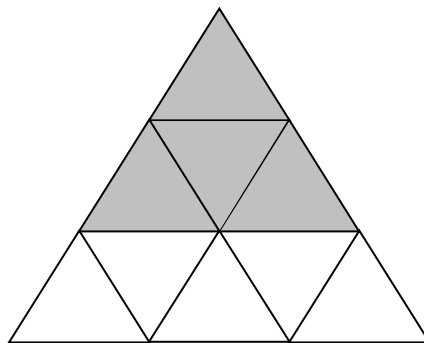
Please do not write in the margin.

6. The first common multiple of 6 and 15 is 30.

Which of the following numbers is their third common multiple?

- ☐ A. 3
☐ B. 18
☐ C. 45
☐ D. 90

7. Shade the figure below with a pencil so that the shaded part is $\frac{2}{3}$ of the whole figure.



Please do not write in the margin.

8. (a) Change $4\frac{2}{3}$ into an improper fraction.

Answer:

- (b) Change $\frac{25}{7}$ into a mixed number.

Answer:

9. Which of the following fractions is the largest?

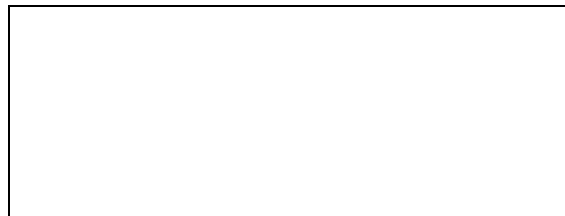
(Circle the answer)

$$\frac{2}{3} \quad , \quad \frac{4}{9} \quad , \quad \frac{2}{5}$$

10. Change 0.45 into a fraction and reduce it to the simplest form.

Answer:

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Please do not write in the margin.

11. $280 - 120 \div 8 =$

- ☐ A. 15
☐ B. 20
☐ C. 265
☐ D. 275

12. $\frac{1}{3} + \frac{5}{6} - \frac{7}{9} =$

13. $12 \div 14 \times 21 =$ _____

14. $2.4 + 1.8 - 0.05 =$ _____

15. $4.51 \div 1.1 =$ _____

Please do not write in the margin.

16. There are $\frac{3}{4}$ L of orange juice and $1\frac{1}{5}$ L of apple juice in the refrigerator.

The apple juice is

L more than the orange juice.

17.

**Carnival
Admission Ticket**

\$10.00 each



Game Coupon

\$5.50 each



William buys 1 carnival admission ticket and 5 game coupons. How much should he pay altogether?

(Show your working)

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Please do not write in the margin.

18. A pencil costs 8.9 dollars and Stella has 102 dollars.
Which of the following expressions is most suitable for estimating the number of pencils she can buy at most?

- ☐ A. $110 \div 9$
☐ B. $100 \div 9$
☐ C. $110 \div 8$
☐ D. $100 \div 8$

19. (a) Change 0.28 into a percentage.

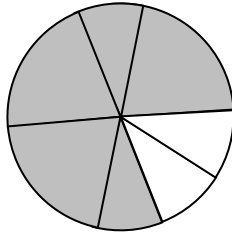
Answer: _____ %

- (b) Change 0.01% into a decimal.

Answer: _____

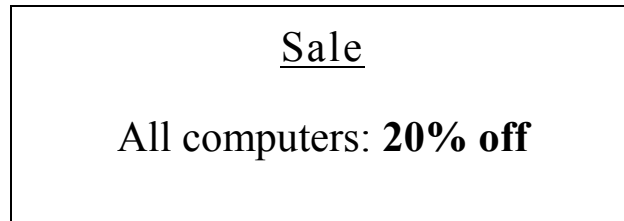
Please do not write in the margin.

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



Answer: _____ % of the whole figure is shaded.

- 21.



The original price of a computer was 5 500 dollars.

During the sale, it was sold at _____ dollars.

22. Fill in the following blanks with suitable units.

(a) The length of a football field is about
100 _____ .

(b) The capacity of a teacup is about
250 _____ .

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23. The calendar for November is shown below.

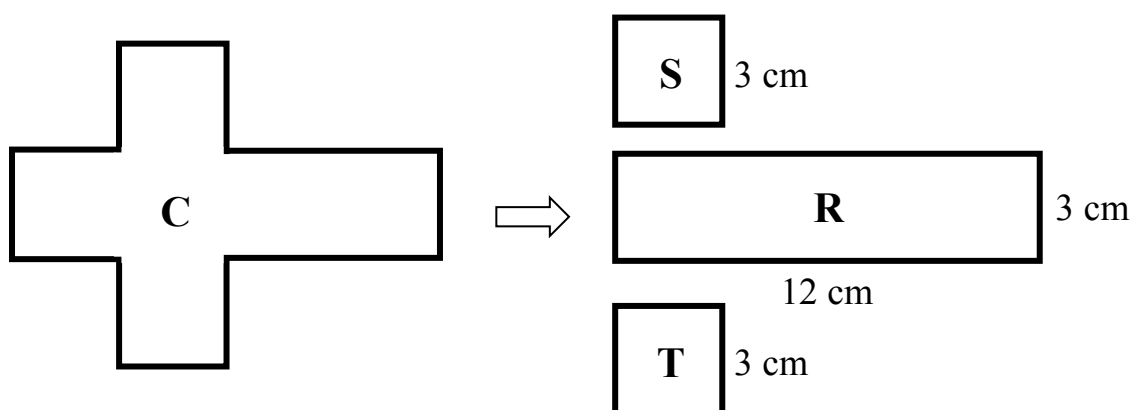
November						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

- (a) The 3rd of November is _____ .
(day of a week)
- (b) The second Thursday of November is the
_____ of _____ .
(day) (month)
- (c) The 'Maths Book Exhibition' lasts for three days.
It starts on the 29th of November and ends on the
_____ of _____ .
(day) (month)

Please do not write in the margin.

Please do not write in the margin.

24.



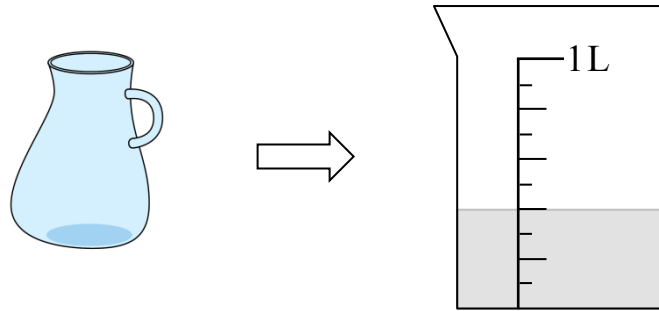
Calvin cuts Figure **C** into a rectangle and two squares (as shown in the diagram above).

- The perimeter of Square **S** is _____ cm.
- The area of Rectangle **R** is _____ cm^2 .
- The perimeter of Figure **C** is _____ cm.

Please do not write in the margin.

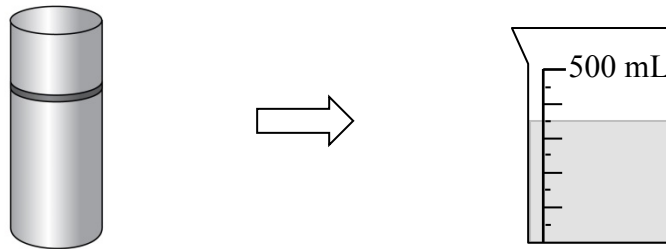
Please do not write in the margin.

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



The capacity of the jar is _____ L.

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



The capacity of the bottle is _____ mL.

- (c) The capacity of the jar is

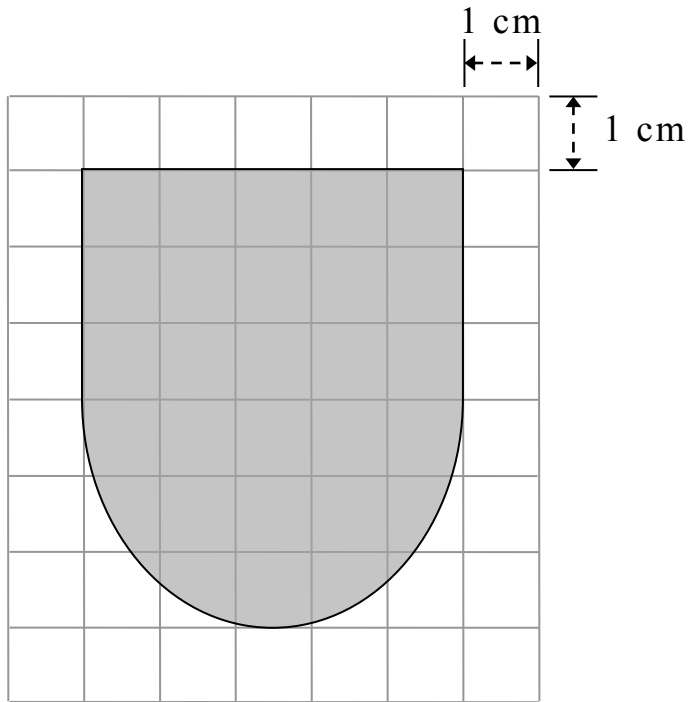
* larger than / equal to / smaller than

the capacity of the bottle.

(*Circle the answer)

Please do not write in the margin.

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



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

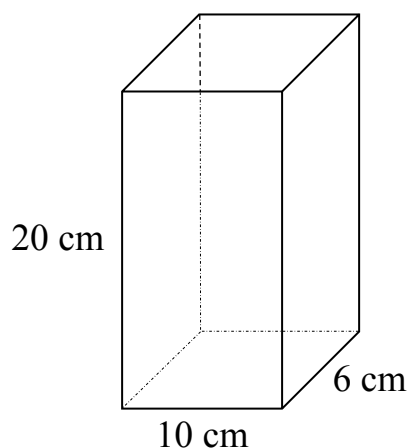
(Give the answer as a whole number)

27. The average speed of a school bus is

- ☐ A. 40 km/h.
- ☐ B. 40 km.
- ☐ C. 40 h/km.
- ☐ D. 40 h.

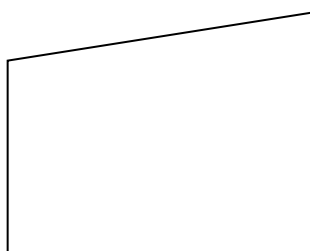
Please do not write in the margin.

28.



The capacity of the rectangular container above
is _____ L.

29.



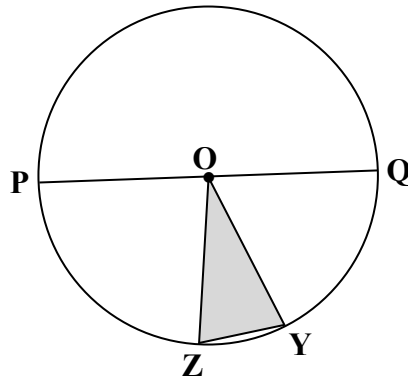
The 2-D shape above is a

* rectangle / trapezium / parallelogram .

(*Circle the answer)

It has _____ pair(s) of opposite sides parallel.

30. In the figure below, **O** is the centre of the circle. **P**, **Q**, **Y** and **Z** are points on the circumference.



- (a) Which of the following lines is a diameter?

- ☐ A. **PQ**
- ☐ B. **OY**
- ☐ C. **YZ**
- ☐ D. **OZ**

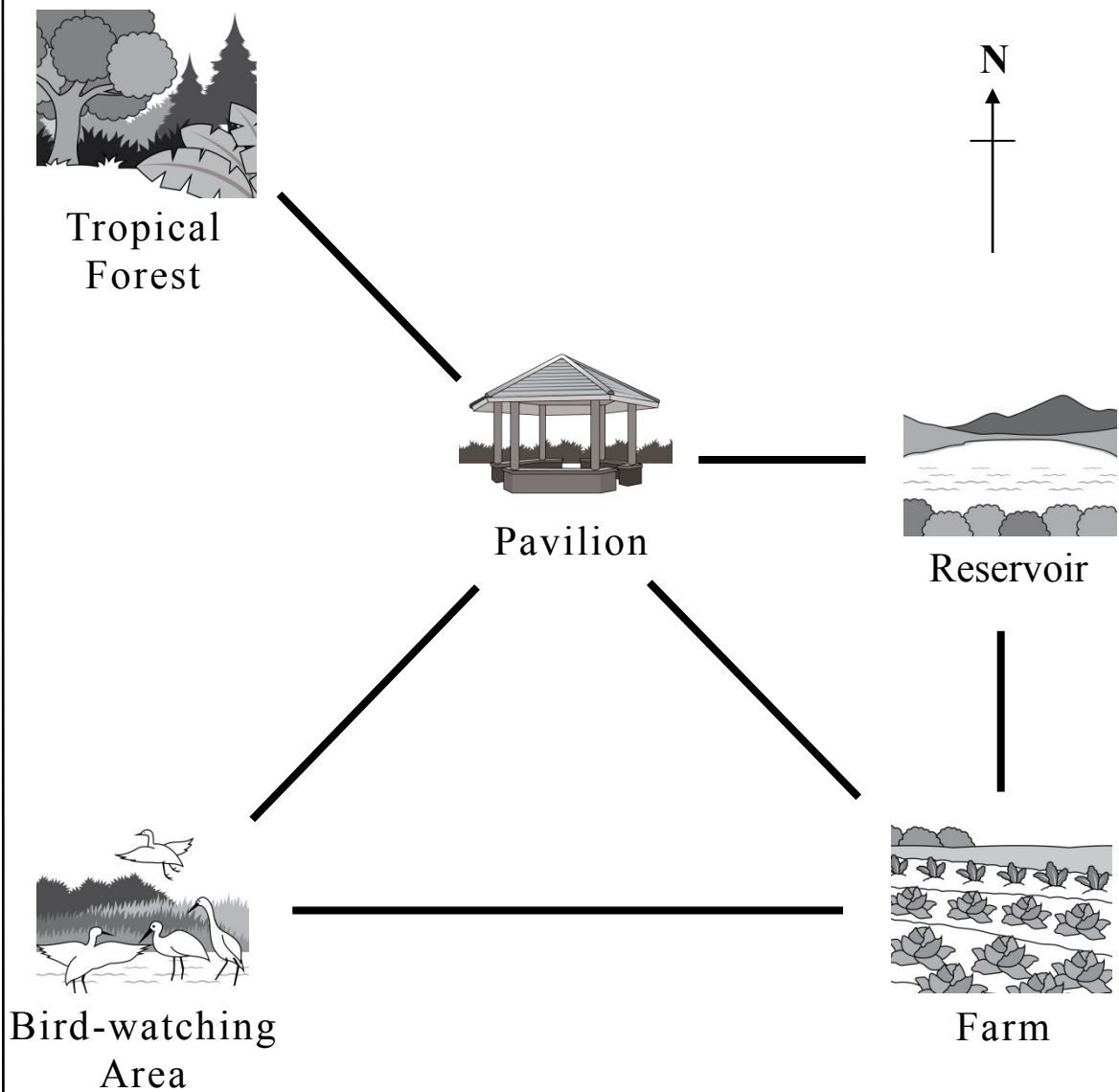
- (b) The shaded part in the figure is

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

(*Circle the answer)

Please do not write in the margin.

31. The map of Conservation District is shown below.



Please do not write in the margin.

(a) Farm is to the south of _____ .

(b) Starting from Bird-watching Area, Steve goes

_____ to reach Pavilion.
(direction)

Then he turns _____ to reach Tropical
(direction)
Forest.

32. Which of the following stands for ‘ y is divided by 4 and then adds 5’?

☐ A. $\frac{4}{y} + 5$

☐ B. $\frac{y}{4 + 5}$

☐ C. $\frac{y}{4} + 5$

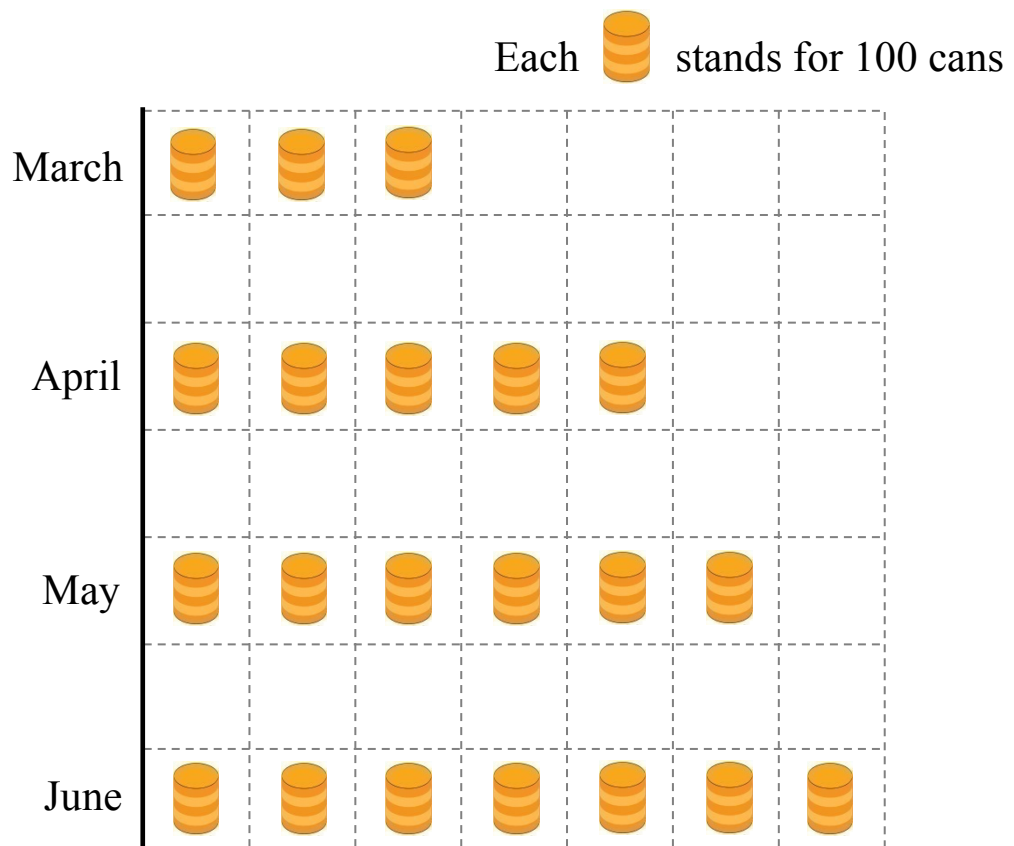
☐ D. $\frac{y + 5}{4}$

33. Mr Chan bought 5 packs of peanuts and 1 pack of chocolates. He paid 49.5 dollars altogether. The price of each pack of chocolates was 6.5 dollars. Find the price of each pack of peanuts by ***the method of solving an equation***.

(Show your working)

34. The following pictogram shows the number of soft drink cans recycled by a school from March to June.

**Number of Soft Drink Cans Recycled
by a School from March to June**



- (a) The number of soft drink cans recycled in June was _____ .
- (b) The number of soft drink cans recycled in March was _____ % of that of May.

Please do not write in the margin.

Please do not write in the margin.

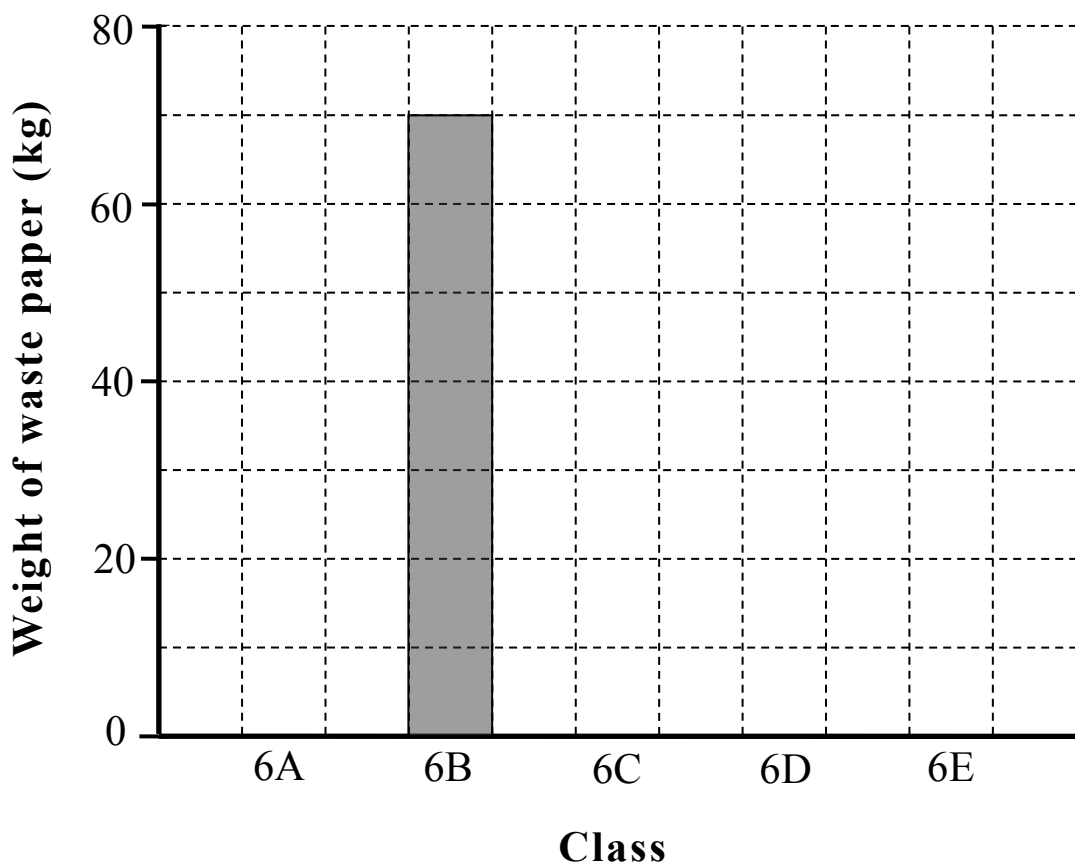
35. The table below shows the weight of the waste paper collected by Primary Six classes last month.

Class	6A	6B	6C	6D	6E
Weight of waste paper (kg)	30	70	60	40	50

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 five numbers below.

10.1 , 30.5 , 39.9 , 50 , 55.5

Answer: The average is _____ .

— END OF PAPER —

Please do not write in the margin.

