



6	M	E	3
---	---	---	---



↑  
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			
---	--	--	--

Class  
班別

6	
---	--

Class No.  
班號

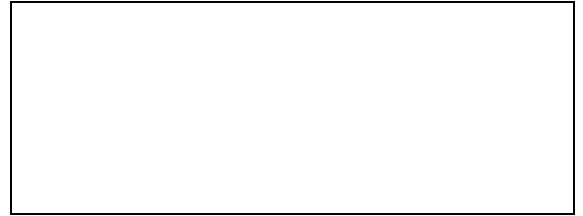
--	--

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

◆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. In the number 61 028, the digit '1' is in the \_\_\_\_\_ place.
2. Which of the following numbers is a factor of 78?
  - ☐ A. 6
  - ☐ B. 34
  - ☐ C. 156
  - ☐ D. 780
3. Which of the following numbers is a common factor of 21 and 28?
  - ☐ A. 3
  - ☐ B. 7
  - ☐ C. 14
  - ☐ D. 84
4. The Least Common Multiple (L.C.M.) of 35 and 70 is
  - ☐ A. 1.
  - ☐ B. 35.
  - ☐ C. 70.
  - ☐ D. 140.

請把電腦條碼貼在方格內  
Please stick the barcode label in the box



Please do not write in the margin.

5. Which of the following fractions is the largest?

(Circle the answer)

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

6. Fill in the boxes with the correct numbers.

(a)

$$\frac{28}{140} = \frac{2}{\boxed{\phantom{000}}}$$

(b)

$$\frac{6}{11} = \frac{\boxed{\phantom{000}}}{121}$$

7. Change  $\frac{5}{9}$  into a decimal correct to two decimal places.

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

Please do not write in the margin.

Please do not write in the margin.

8. In the number 81.36, which digit stands for the smallest value?

- ☐ A. '1'
- ☐ B. '3'
- ☐ C. '6'
- ☐ D. '8'

9. When 452 is divided by 14, the quotient is \_\_\_\_\_ and the remainder is \_\_\_\_\_ .

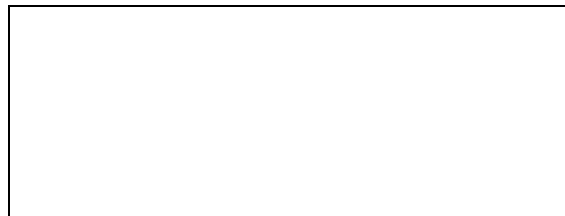
10.  $19.2 \div (6 + 0.4) =$  \_\_\_\_\_

11.  $3\frac{1}{5} - 1\frac{3}{5} + \frac{4}{5} =$

12.  $\frac{2}{3} \times \frac{1}{4} \times 2\frac{2}{3} =$

Please do not write in the margin.

請把電腦條碼貼在方格內 →  
Please stick the barcode label in the box



Please do not write in the margin.

13.  $280 - 120 \div 8 =$

- ☐ A. 15
- ☐ B. 20
- ☐ C. 265
- ☐ D. 275

14. The original price of an air-conditioner was \$3 950. During the sale, Mrs Lam bought an air-conditioner at 82% of the original price. Which of the following expressions is most suitable for estimating the amount (in dollars) paid by Mrs Lam?

- ☐ A.  $3\ 000 \times 80\%$
- ☐ B.  $4\ 000 \times 80\%$
- ☐ C.  $3\ 000 \times 90\%$
- ☐ D.  $4\ 000 \times 90\%$

Please do not write in the margin.

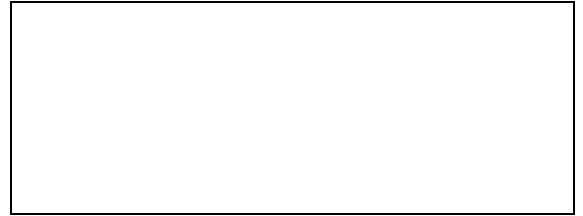
15. There are  $\frac{3}{4}$  L of orange juice and  $1\frac{1}{5}$  L of apple juice in the refrigerator.

The apple juice is

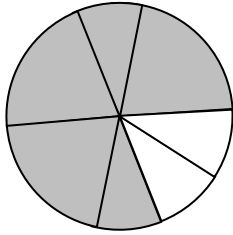
L more than the orange juice.

16. There are 96 trees in the garden.  $\frac{3}{8}$  of them are apple trees and the rest are orange trees. How many orange trees are there in the garden?  
(Show your working)

請把電腦條碼貼在方格內  
Please stick the barcode label in the box



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



Answer: \_\_\_\_\_ % of the whole figure is shaded.

18. (a) Change  $\frac{1}{25}$  into a percentage.

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

(b) Change 0.1% 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.

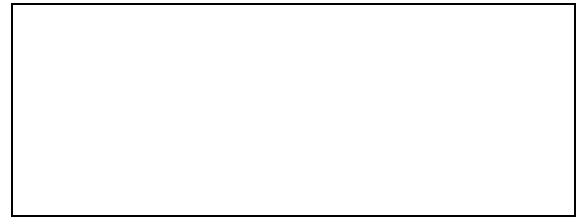
19. The calendar for November is shown below.

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

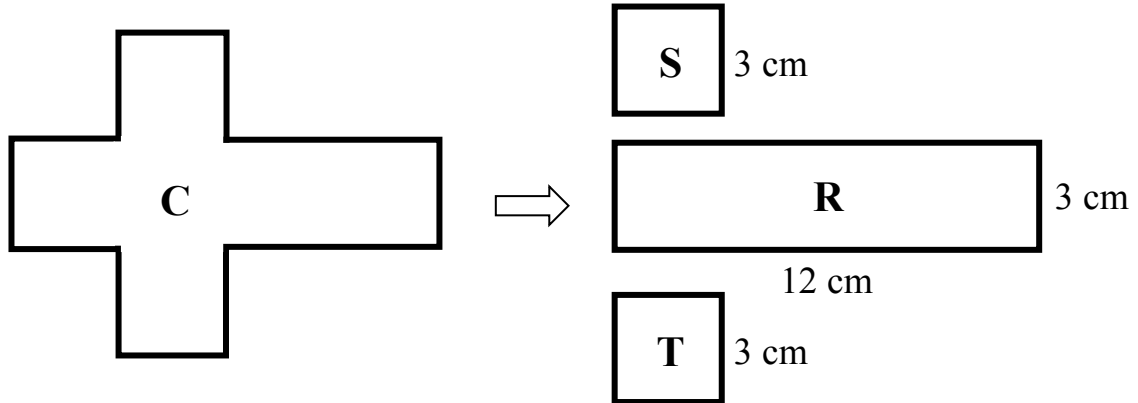
- (a) The 3<sup>rd</sup> of November is \_\_\_\_\_ .  
(day of a week)
- (b) The second Thursday of November is the  
\_\_\_\_\_ of \_\_\_\_\_ .  
(day) (month)
- (c) The 'Maths Book Exhibition' lasts for three days.  
It starts on the 29<sup>th</sup> of November and ends on the  
\_\_\_\_\_ of \_\_\_\_\_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



請把電腦條碼貼在方格內  
Please stick the barcode label in the box



20.



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

- (a) The perimeter of Square **S** is \_\_\_\_\_ cm.
- (b) The area of Rectangle **R** is \_\_\_\_\_  $\text{cm}^2$ .
- (c) The perimeter of Figure **C** is \_\_\_\_\_ cm.

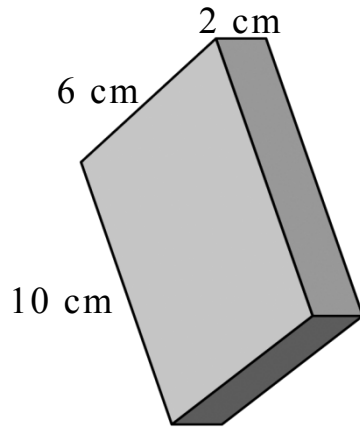
21. Fill in the following blanks with suitable units.

- (a) The length of a football field is about  
100 \_\_\_\_\_ .
- (b) The capacity of a teacup is about  
250 \_\_\_\_\_ .

Please do not write in the margin.

Please do not write in the margin.

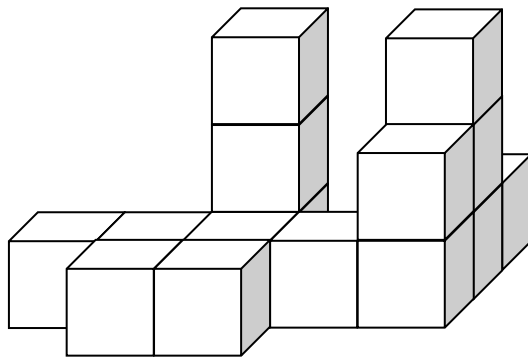
22.

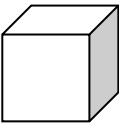


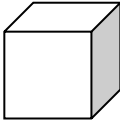
The volume of the cuboid above is

- ☐ A.  $60 \text{ cm}^2$ .  
☐ B.  $60 \text{ cm}^3$ .  
☐ C.  $120 \text{ cm}^2$ .  
☐ D.  $120 \text{ cm}^3$ .

23.



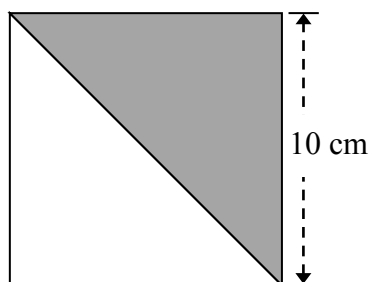
The solid shown above is made up of  .

The volume of each  is  $1 \text{ m}^3$ .

The volume of the solid is \_\_\_\_\_ .

(Give the answer with a unit)

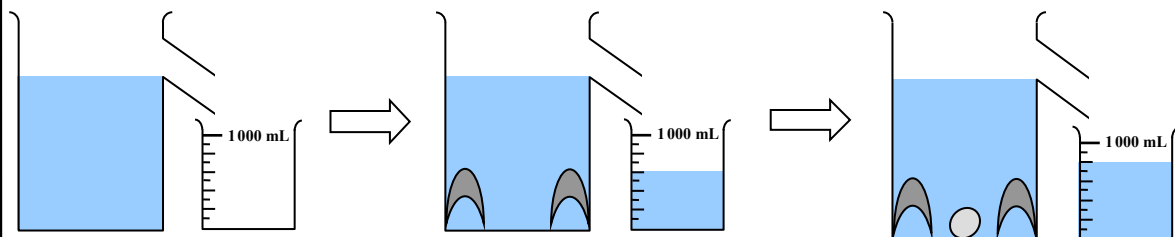
24.




The square above is made up of two right-angled triangles.

The area of the shaded part is \_\_\_\_\_  $\text{cm}^2$ .

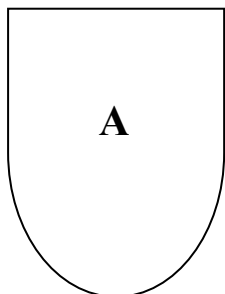
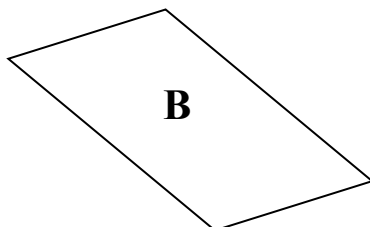
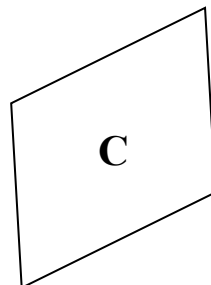
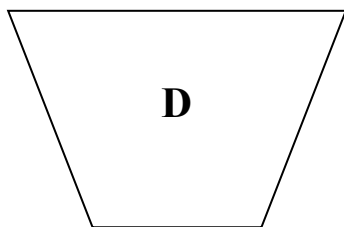
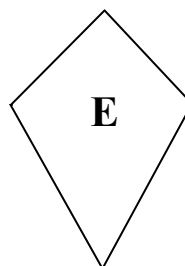
25.



(a) The volume of one  is \_\_\_\_\_  $\text{cm}^3$ .

(b) The volume of one  is \_\_\_\_\_  $\text{cm}^3$ .

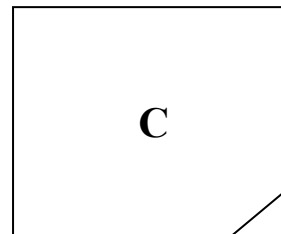
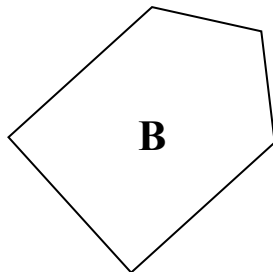
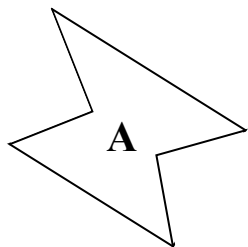
26. Study the 2-D shapes below. Write all the letters for the answers.

**A****B****C****D****E**

(a) Parallelogram: \_\_\_\_\_

(b) Trapezium: \_\_\_\_\_

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

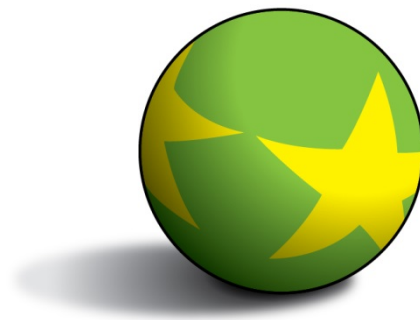


Pentagon : \_\_\_\_\_

Hexagon : \_\_\_\_\_

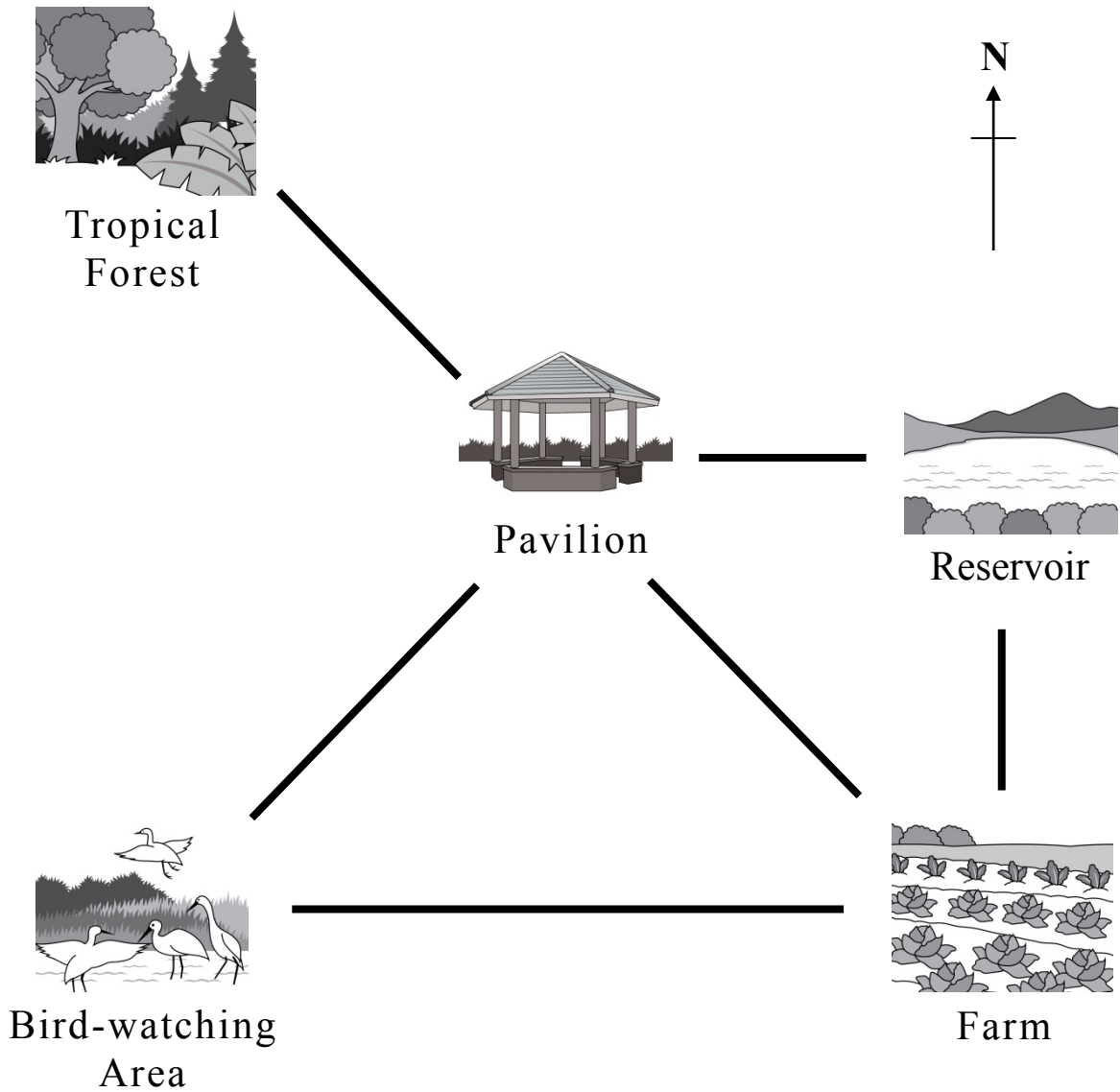
28. The 3-D shape on the right is a

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



Please do not write in the margin.

29. 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.

30. 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.  $\frac{y + 5}{4}$

31. Which of the following are equations? Write all the letters for the answer.

A.  $50 = 2k$

B.  $5E$

C.  $(4 + 7) \times 8 = 88$

D.  $y - (3 + 6) = 15$

E.  $9 = 9$

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

32.  $5y + 17 = 20$

$y =$

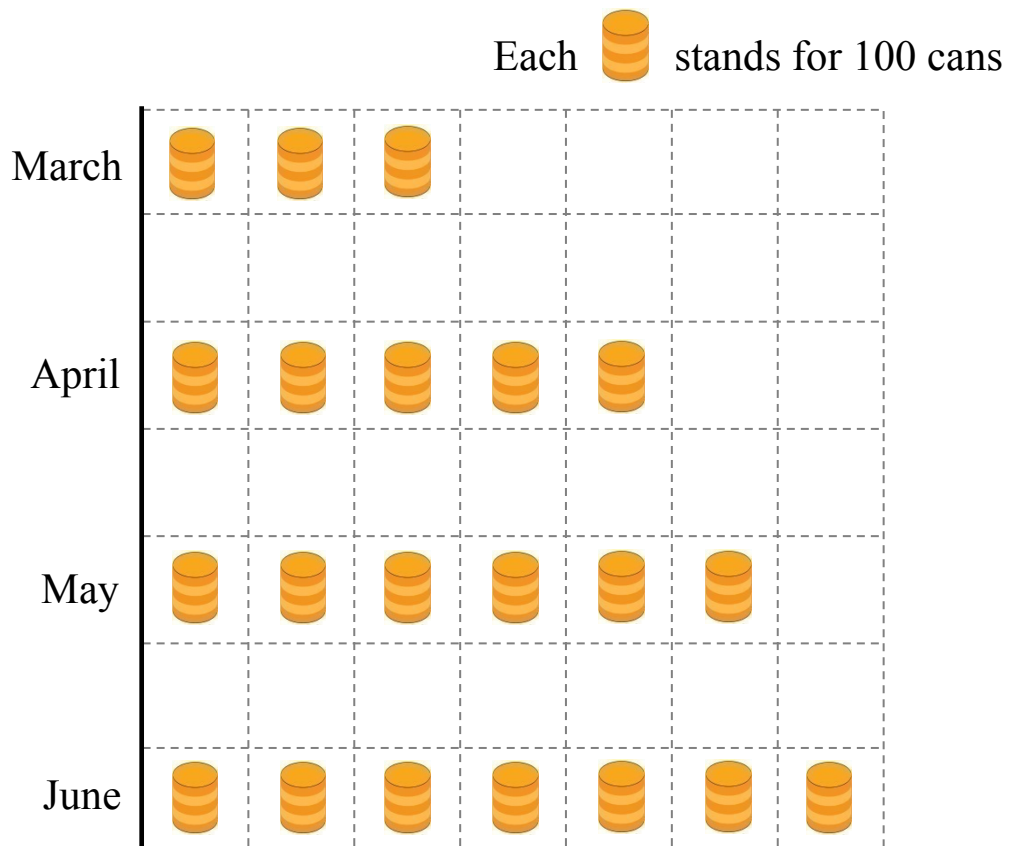
33. Mr Chan bought 5 packs of peanuts and 1 pack of chocolates. He paid 49.5 dollars altogether. The price of each pack of chocolates was 6.5 dollars. Find the price of each pack of peanuts by *the method of solving an equation*.

(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.

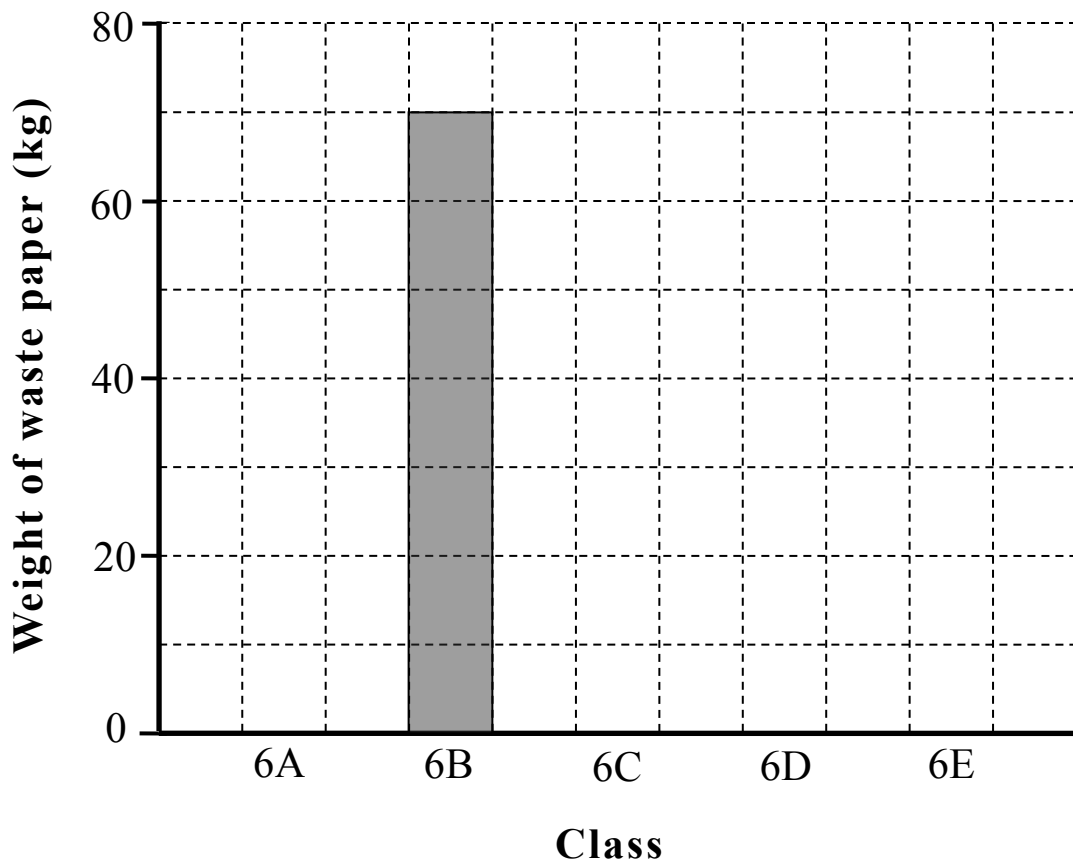
35. The table below shows the weight of the waste paper collected by Primary Six classes last month.

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.

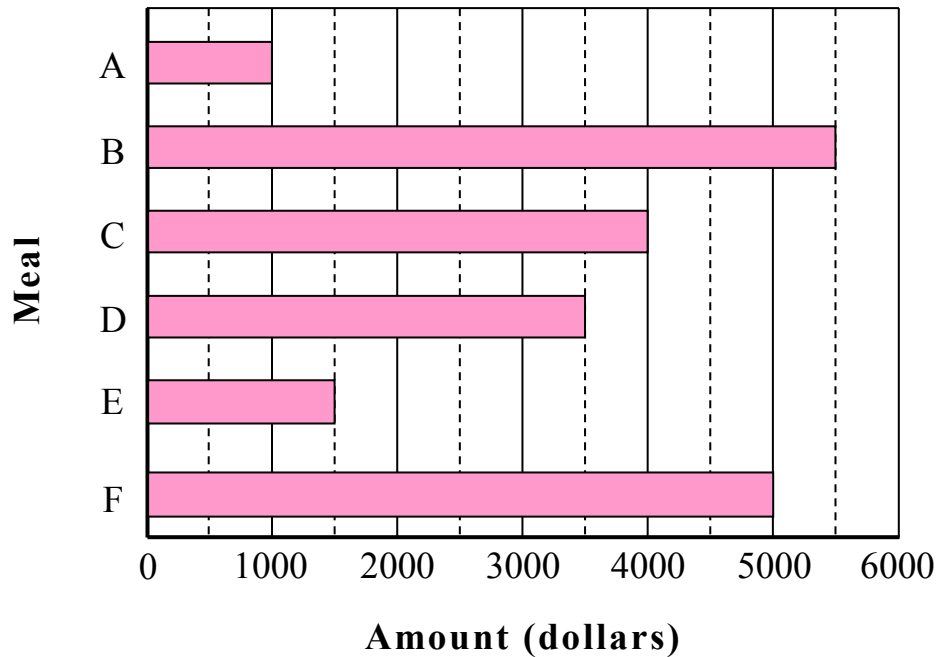


(Title)



36. The following bar chart shows the amount earned by selling different sets of meals in a cafe last week.

**Amount Earned by Selling Different Sets of Meals in a Cafe Last Week**



- (a) The largest amount was earned by selling Meal \_\_\_\_\_.  
Altogether \_\_\_\_\_ dollars were earned.
- (b) The amount earned by selling Meal F was \_\_\_\_\_ dollars \* more / less than that of Meal D.  
(\*Circle the answer)

**— END OF PAPER —**

