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Please stick the barcode label in the box

Education Bureau
Territory-wide System Assessment 2014 ♦
Primary 6
Mathematics

Instructions:

1. Stick barcode labels on pages 1, 3, 5, 7 and 9 in the spaces provided.
2. There are 41 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

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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

♦ 2014 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 2014 P6 TSA has been suspended. Participation in the 2014 P6 TSA is on a voluntary basis. As a result, this is a TSA in which not all P6 students will participate.

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

26008 , 26039 , 2651

Answer: _____ , _____ , _____
(Smallest) (Largest)

2. Which of the following numbers is a multiple of 26?

- ☐ A. 2
☐ B. 13
☐ C. 52
☐ D. 68

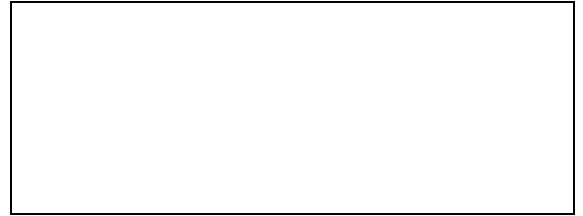
3. Mr Law has two houses in the diagram below. Their door numbers are 'common multiples of 6 and 12'. Circle these two houses.



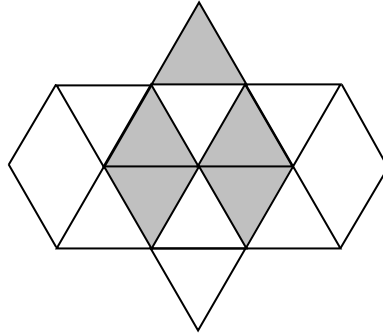
4. The Highest Common Factor (H.C.F.) of 24 and 36
is _____ .

5. $\frac{11}{11}$ is * smaller than / equal to / larger than $\frac{12}{13}$.
(*Circle the answer)

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6. What fraction of the whole figure below is shaded?



Answer: of the whole figure is shaded.

7. Fill in the boxes with the correct numbers.

(a)
$$\frac{12}{36} = \frac{72}{\boxed{}}$$

(b)
$$\frac{52}{65} = \frac{\boxed{}}{5}$$

8. Change $1\frac{7}{9}$ into a decimal correct to two decimal places.

Answer: _____

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Please do not write in the margin.

9. Which of the following fractions is the smallest?

(Circle the answer)

$$\frac{97}{12} \quad , \quad 8\frac{5}{12} \quad , \quad \frac{69}{8}$$

10. In the number 2.318, which digit stands for the smallest value?

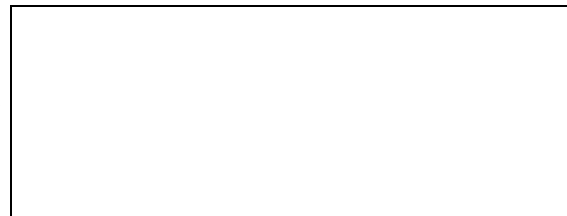
- ☐ A. '2'
- ☐ B. '3'
- ☐ C. '1'
- ☐ D. '8'

11. $8 \div 7 \times 35 =$ _____

12. $3\frac{1}{8} + 2\frac{3}{8} - 1\frac{7}{8} =$

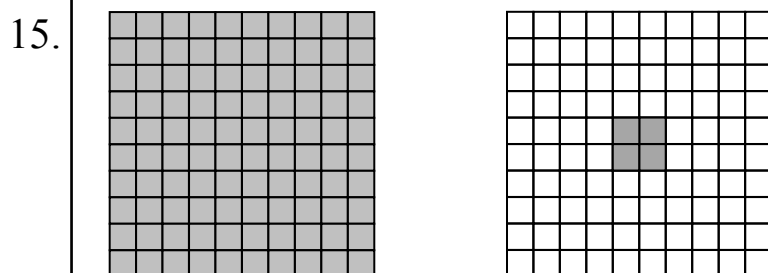
13. $\frac{5}{6} \times 1\frac{1}{5} \div 6 =$

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14. $40.8 \times 2.3 =$ _____



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

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

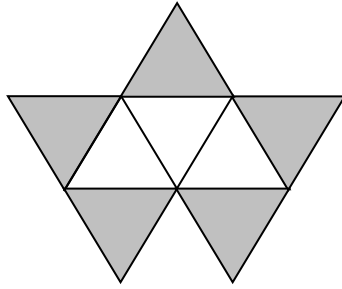
Answer: _____

16. The library has some new books. 575 of them are Chinese books. The number of English books is 68% of the number of Chinese books. Which of the following expressions is most suitable for estimating the number of English books?

- ☐ A. 500×0.6
- ☐ B. 500×0.7
- ☐ C. 600×0.6
- ☐ D. 600×0.7

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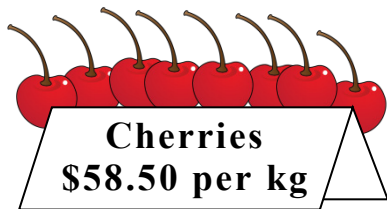
17. What percentage of the whole figure below is shaded?



Answer: _____% of the whole figure is shaded.

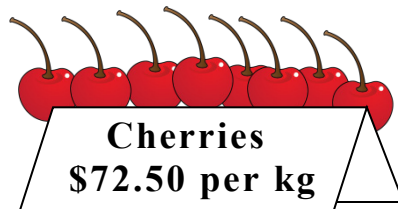
- 18.

Fresh Fruit Shop



Cherries
\$58.50 per kg

Tasty Fruit Shop



Cherries
\$72.50 per kg

Polly goes to the fruit shop which sells cherries at a lower price. She buys 1.2 kg of cherries with a 100-dollar note. How much is the change?
(Show your working)

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19. (a) Change $\frac{5}{8}$ into a percentage.

Answer: _____ %

- (b) Change 180% into a fraction and reduce it to the simplest form.

Answer:

20. Dad bought a cake. After Peter had eaten $\frac{1}{3}$ of the cake, Susan ate 75% of the remaining part.
What percentage of the whole cake did Susan eat?
(Show your working)

Please do not write in the margin.

21. The calendar of February 2012 is shown below.

February						
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			

(a) The 30th of January is _____ .
(day of a week)

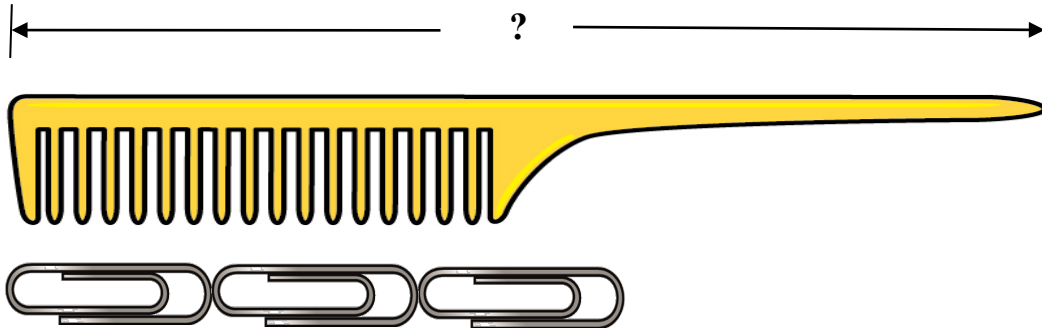
(b) School 'Fruit Days' are every Tuesday and Friday
in February. The last 'Fruit Day' is
the _____ of _____ .
(day) (month)

(c) 2012 is a * common year / leap year
(*circle the answer)
because _____
_____ .

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22.



(a) The length of the comb above is
about _____ times the length of a paper clip.

(b) Use a ruler to measure the length of the comb.

Answer: The length of the comb is about

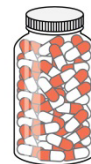
_____ mm.

(Give your answer as a whole number)

23. Fill in the following blanks with suitable units.

(a) The total distance of a walking race is
3 _____ .

(b) The weight of a bottle of pills is about
30 _____ .



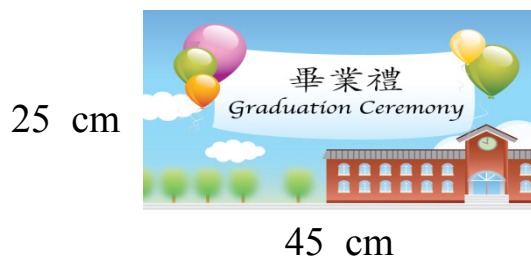
(c) The capacity of a ladle is about
200 _____ .



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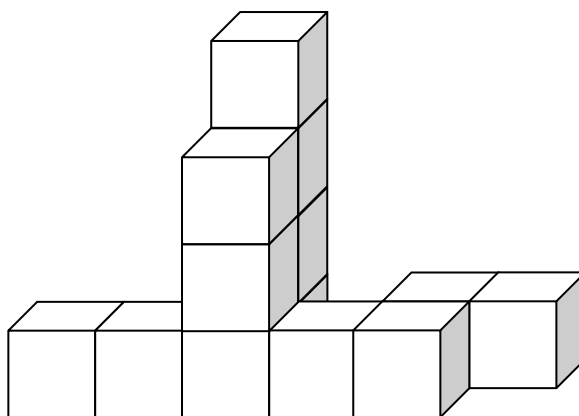
Please do not write in the margin.


24. A Visual Arts teacher designed two posters for the graduation ceremony of Primary Six. The posters are rectangular and square respectively.




- (a) The perimeter of the rectangular poster
is _____ cm.
- (b) The perimeter of the square poster
is _____ cm.

25.



The solid shown above is made up of .

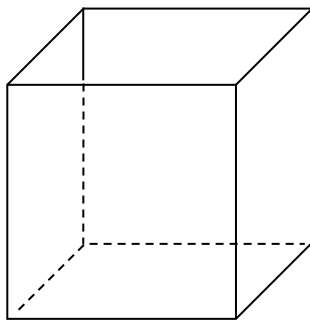
The volume of each  is 1 m^3 .

The volume of the solid is _____.

(Give the answer with a unit)

26.

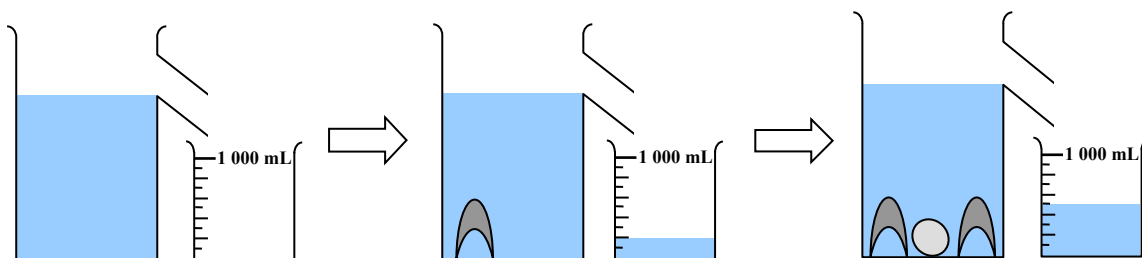
10 cm





The side of the cubic container above is 10 cm.

Its capacity is _____ L.

27.



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

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

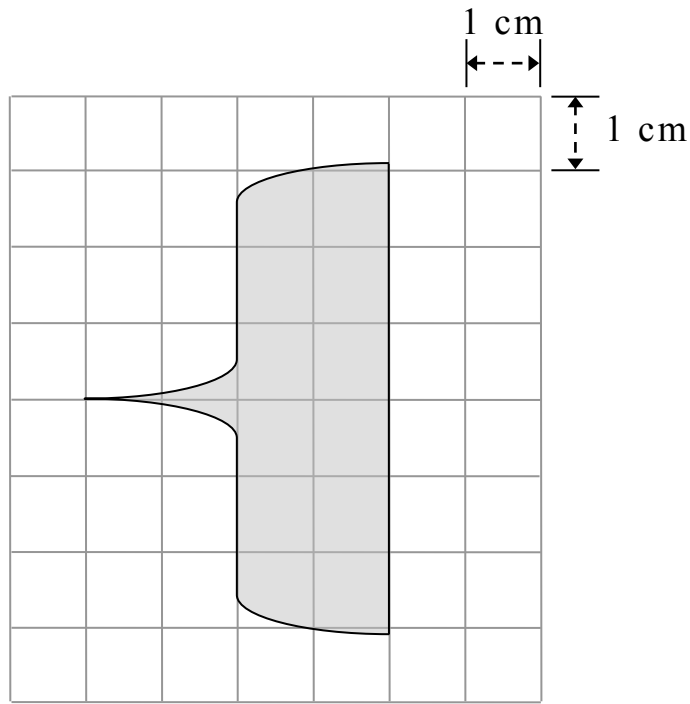
28. A tortoise crawls 10 metres in 500 seconds.

Its average speed is _____ m / s .

Please do not write in the margin.

29. 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)



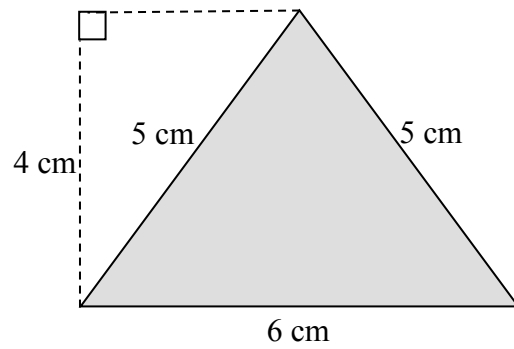
30. The 3-D shape on the right is a

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



Please do not write in the margin.

31.



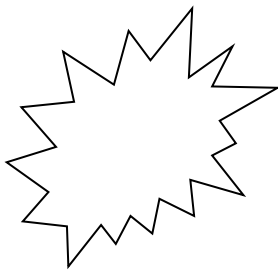
The shaded part of the figure above is

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

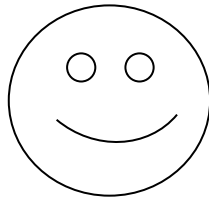
(*Circle the answer)

Its area is _____ cm^2 .

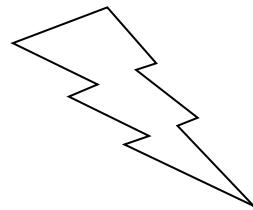
32.



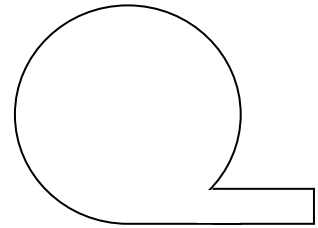
A



B



C



D

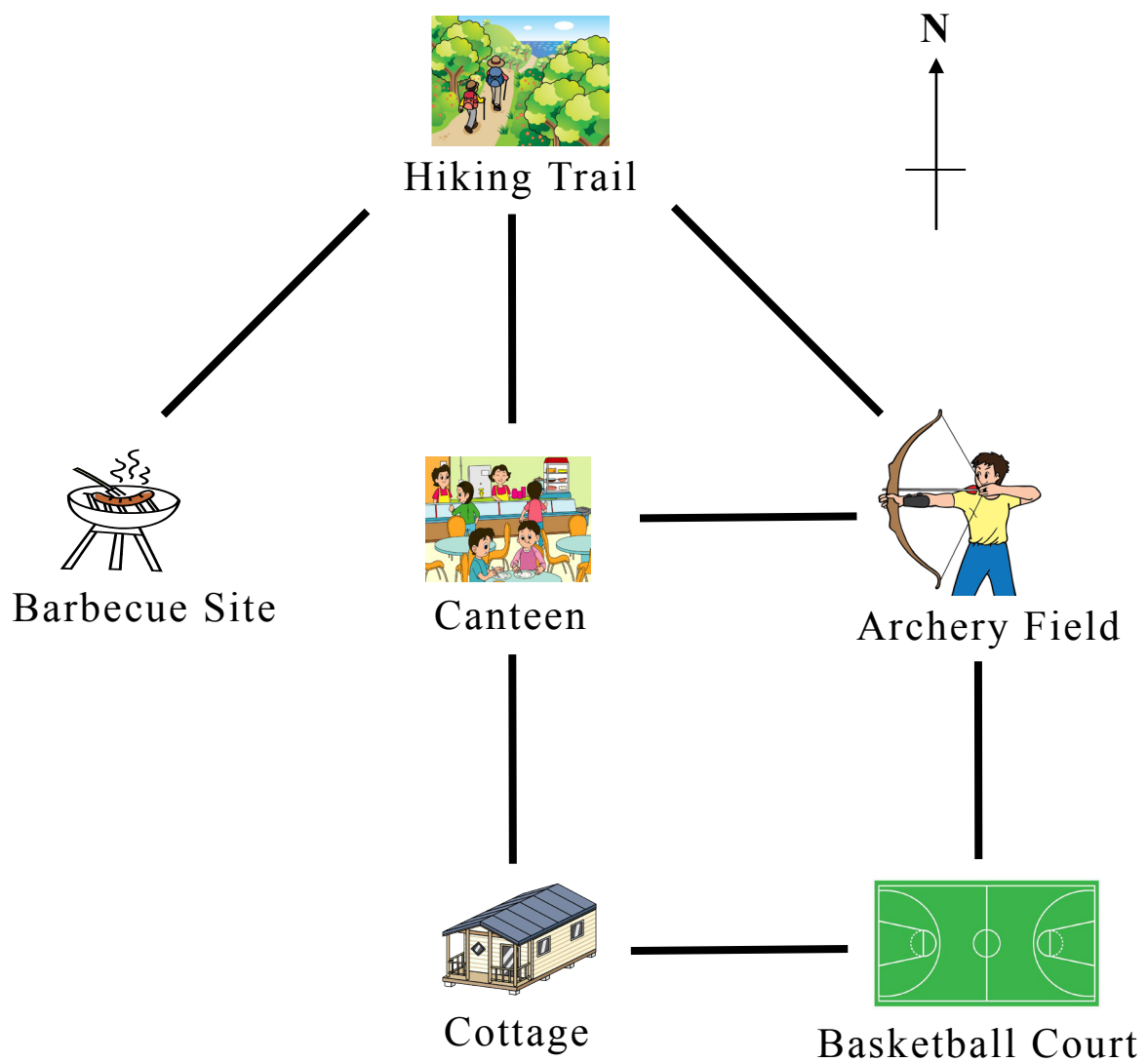
(a) Which of the 2-D shapes above is / are made up of curves only?

Answer: _____

(b) Which of the 2-D shapes above is / are made up of straight lines only?

Answer: _____

33. The map of Healthy Camp is shown below.



- (a) Archery Field is to the _____ of Barbecue Site.
(direction)
- (b) _____ is to the south-east of Canteen.
- (c) Starting from Cottage, the teacher goes _____
(direction)
to reach Hiking Trail. Then she turns _____
(direction)
to reach Barbecue Site.

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Please do not write in the margin.

Please do not write in the margin.

34. Mother bought M boxes of eggs. Each box contained 6 eggs. She used 8 eggs to make cakes. How many eggs were left?

- ☐ A. $8 - 6M$
- ☐ B. $6M - 8$
- ☐ C. $8 - \frac{M}{6}$
- ☐ D. $\frac{M}{6} - 8$

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

A. $(H + 5) \times 2 = 10$

B. $12 + 3 = 15$

C. $5 = P - 5$

D. $\frac{6}{3} = 2$

E. $3 \times k$

Answer: _____

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Please do not write in the margin.

36.

$$12 = 120x$$

$x =$

37.

$$\frac{y}{2} + 0.5 = 3.5$$

$y =$

38. A number is divided by 6. The result minus 14 is equal to 10. Find the number by *the method of solving an equation*. (Show your working)

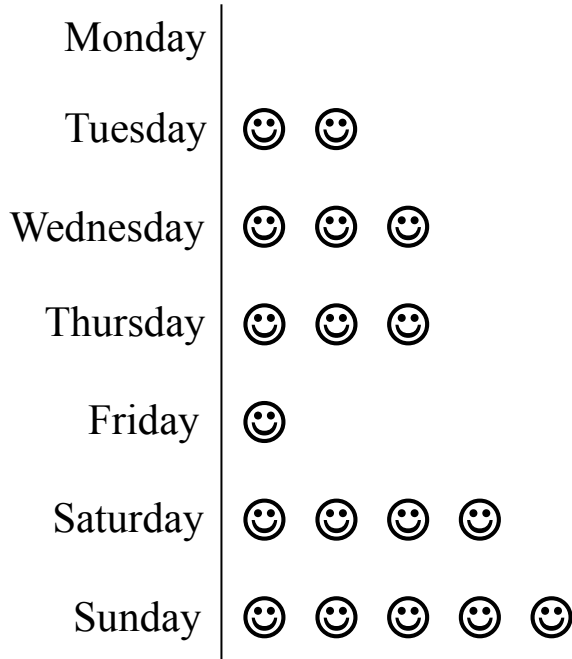
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39. The following diagram shows the number of visitors to the museum last week.

Number of Visitors to the Museum Last Week

Each ☺ stands for 1 000 visitors



- (a) The museum had most visitors on _____ .
(day of the week)
There were _____ visitors.
- (b) The total number of visitors last week
was _____ .
- (c) The museum was closed on one day last week.
That day was _____ .
(day of the week)

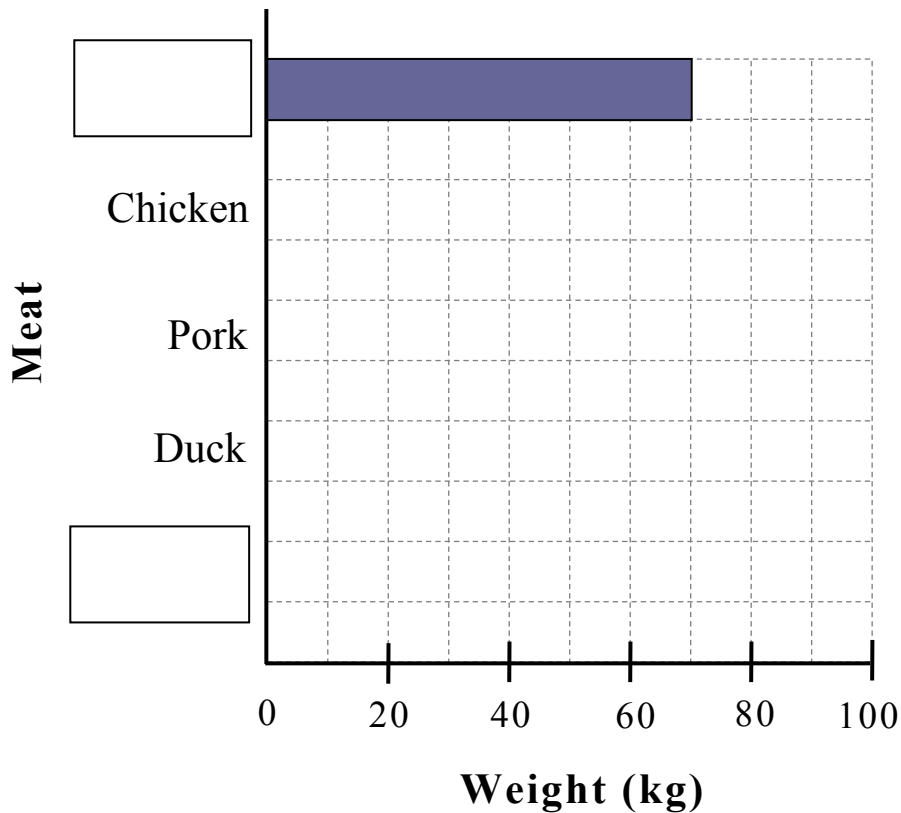
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40. The following table shows the weight of different kinds of meat ordered by Farm Cafe.

Meat	Mutton	Duck	Pork	Chicken	Beef
Weight (kg)	20	30	80	40	70

Use a pencil to complete the following bar chart according to the information above. Give the bar chart a suitable title and fill in the boxes with the names of meat.

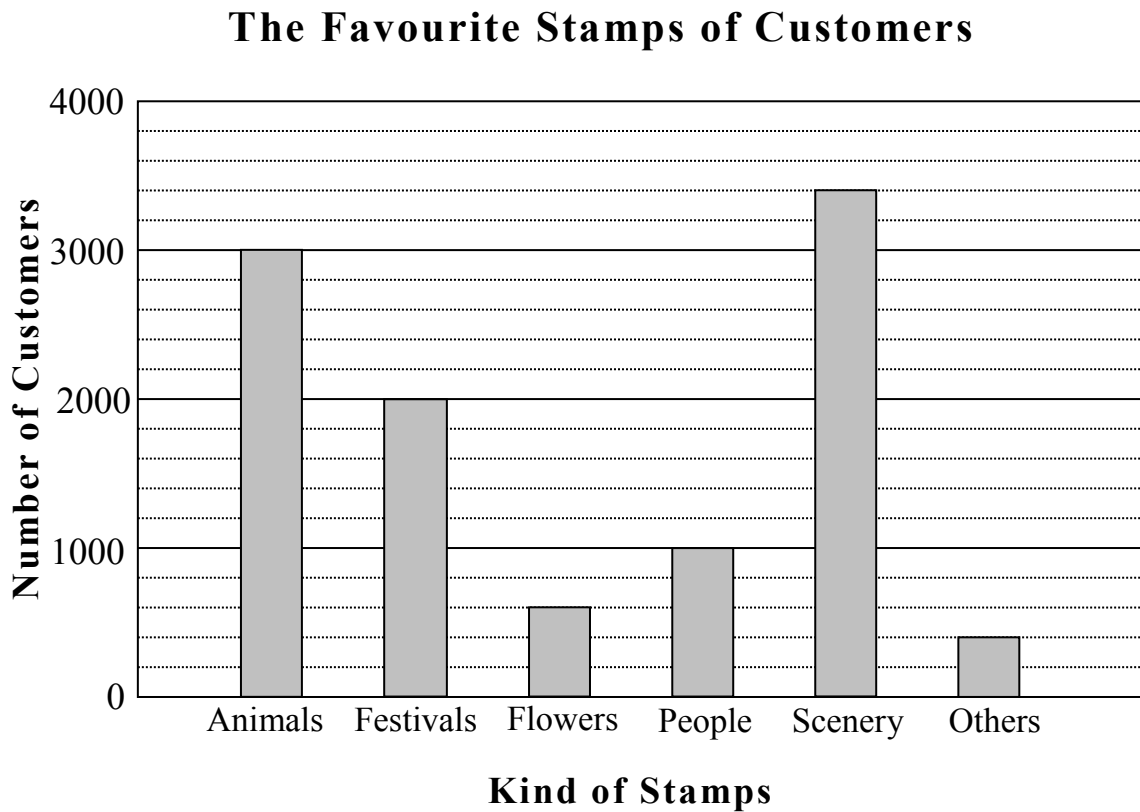
(Title)



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Please do not write in the margin.

41. A stamp shop did a survey on the ‘favourite stamps of customers’. Each customer chose one kind of stamps. The result was as follows:



- (a) The kind of stamps chosen by most customers was _____ .
- (b) The number of customers who chose ‘Festivals’ was _____ times that of ‘People’.
- (c) The number of customers who took part in this survey was _____ .

— END OF PAPER —

