



6	M	E	4
---	---	---	---

--

↑
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 2014 ♦
Primary 6
Mathematics

Instructions:

1. Stick barcode labels on pages 1, 3, 5, 7 and 9 in the spaces provided.
2. There are 40 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

--	--	--

Class
班別

6	
---	--

Class
No.
班號

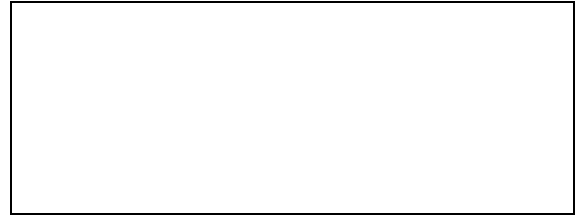
--	--

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

♦ 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. In the number 18 010, the digit '8' is
in the _____ place.
2. Which of the following pairs of numbers are common factors of 9 and 24?
- ☐ A. 1, 3
- ☐ B. 3, 8
- ☐ C. 9, 24
- ☐ D. 72, 144
3. Fill in the boxes with the correct numbers.
- (a) $\frac{12}{36} = \frac{72}{\boxed{}}$
- (b) $\frac{52}{65} = \frac{\boxed{}}{5}$
4. Which of the following fractions is the smallest?
(Circle the answer)
- $\frac{97}{12}$, $8\frac{5}{12}$, $\frac{69}{8}$

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

Answer: _____

6. In the number 0.175, the digit '7' is
in the _____ place.

7. When 750 is divided by 14, the quotient is _____
and the remainder is _____.

8. $20 \times (80 - 15) =$ _____

9. $18 + 264 \div 3 =$

- ☐ A. 88
- ☐ B. 94
- ☐ C. 96
- ☐ D. 106

Please do not write in the margin.



10. $7 - 4\frac{3}{8} =$

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

12. Calculate $2.81 \div 0.7$.

Round the answer to two decimal places.

Answer: _____

13. $40.8 \times 2.3 =$ _____

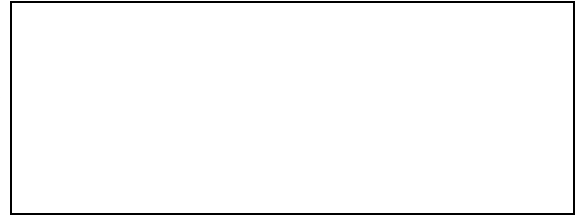
14. A teacher has 36 pens. $\frac{1}{3}$ of the pens are red and $\frac{1}{2}$ are yellow.

The number of red pens is _____ * more / less
than that of yellow pens. (*Circle the answer)

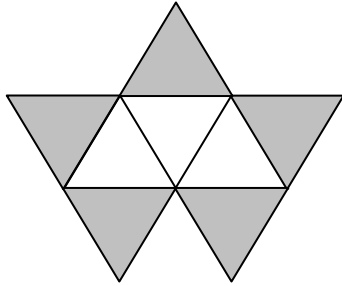
15. Fill in the box with the correct number.

$$\frac{\boxed{}}{20} = 2$$

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



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



Answer: _____ % of the whole figure is shaded.

17. A box of candies costs \$28.80. Linda has \$309.00.

Which of the following expressions is most suitable for estimating the number of boxes of candies that she can buy at most?

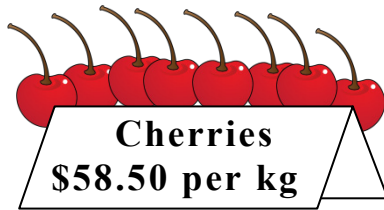
- ☐ A. $300 \div 20$
- ☐ B. $300 \div 30$
- ☐ C. $400 \div 20$
- ☐ D. $400 \div 30$

Please do not write in the margin.

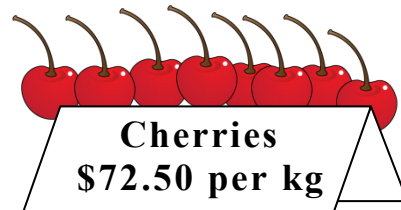
Please do not write in the margin.

18.

Fresh Fruit Shop



Tasty Fruit Shop



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)

Please do not write in the margin.

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.

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. Lisa and Kenny donate some pocket money to charity.

- (a) Kenny has \$100 of pocket money.

He donates 40% of it.

Kenny donates \$_____ .

- (b) Lisa has \$150 of pocket money. She donates 30% of it.

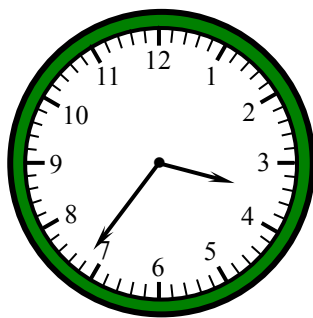
Lisa donates \$_____ * more / less than Kenny.

(*Circle the answer)

Please do not write in the margin.

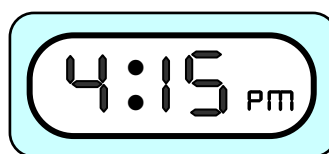


21.



- (a) The clock above showed the time Jenny left school.
The time was _____ minutes to _____ in the afternoon.

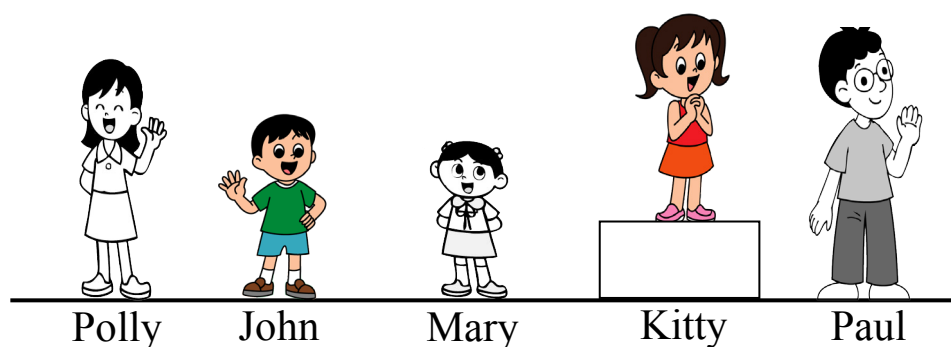
- (b) Jenny reached home at



In '24-hour time', the time
was _____ : _____ .

- (c) Jenny took _____ minutes to return home from school.

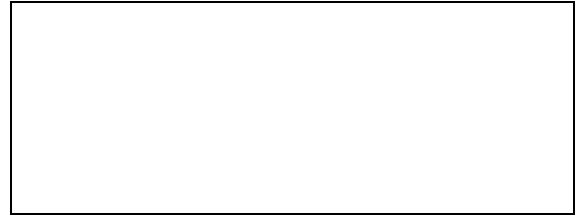
22.



Compare the heights of the pupils in the diagram above.

The tallest pupil is _____ .

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



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 _____ .

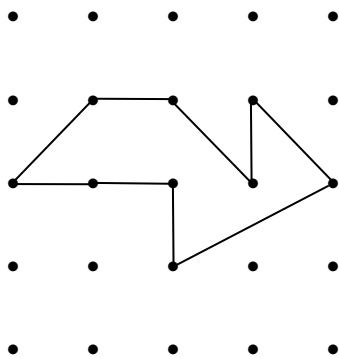


(c) The capacity of a ladle is about

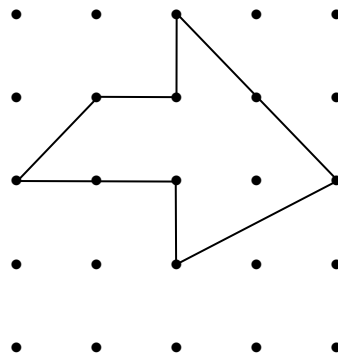
200 _____ .



24.



X



Y

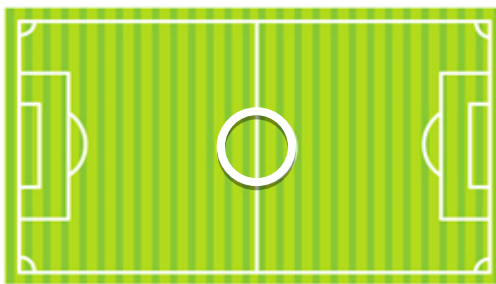
Study the diagrams above. Which of the following statements is correct?

- ☐ A. The perimeter of **X** is longer than that of **Y** .
- ☐ B. The perimeters of **X** and **Y** are the same.
- ☐ C. The perimeter of **X** is shorter than that of **Y**.
- ☐ D. The perimeters of **X** and **Y** cannot be compared.

Please do not write in the margin.

Please do not write in the margin.

25.

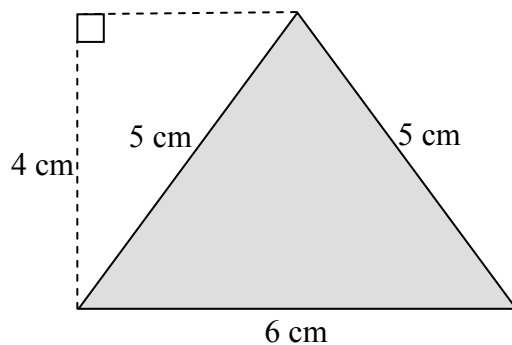


Judy walked one lap round the circle in the middle of the football field. She walked 31.2 m.

- (a) Judy's average speed was 1.5 m/s. How long did she take to walk one lap round the circle?
(Show your working)

- (b) The diameter of the circle in the middle of the football field is about _____ m.
(Give the answer as a whole number)

26.



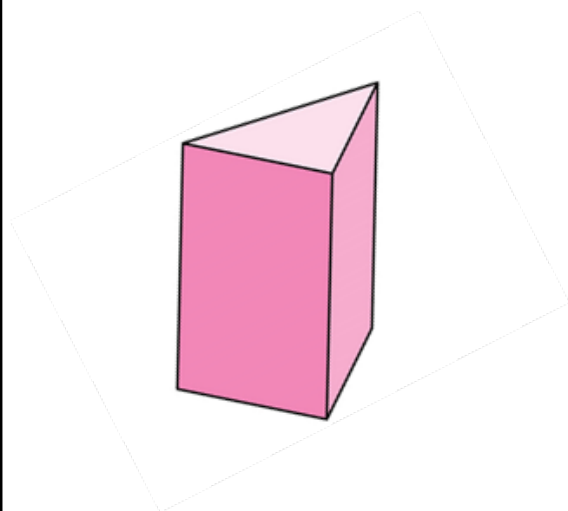
The shaded part of the figure above is

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

(*Circle the answer)

Its area is _____ cm^2 .

27.

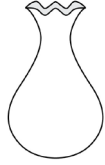


The figure above is a triangular * pyramid / prism .

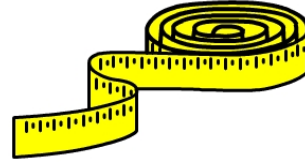
(*Circle the answer)

It has _____ edges.

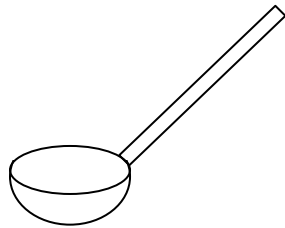
28. Which of the following is most suitable for measuring the capacity of a vase ?



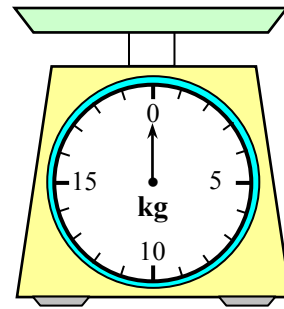
☐ A.



☐ B.



☐ C.



☐ D.

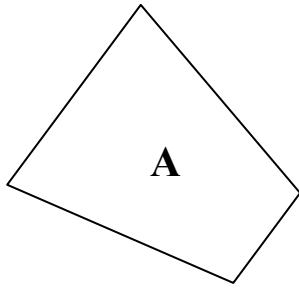
29. Study the 2-D shape below.



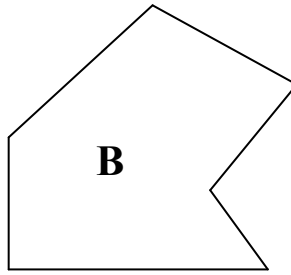
This is a * parallelogram / rhombus / trapezium .
(*Circle the answer)

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

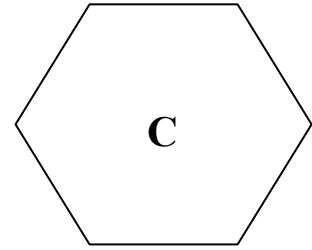
30. Study the following 2-D shapes. Write the letter(s) for the answer.



A



B

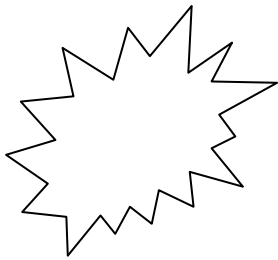


C

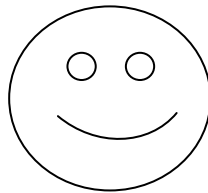
Hexagon: _____

Trapezium: _____

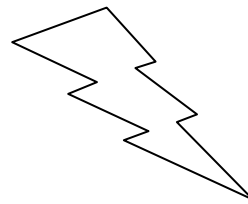
31.



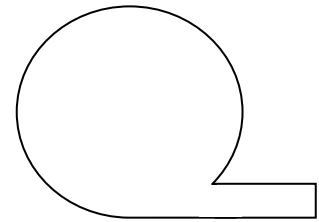
A



B



C



D

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

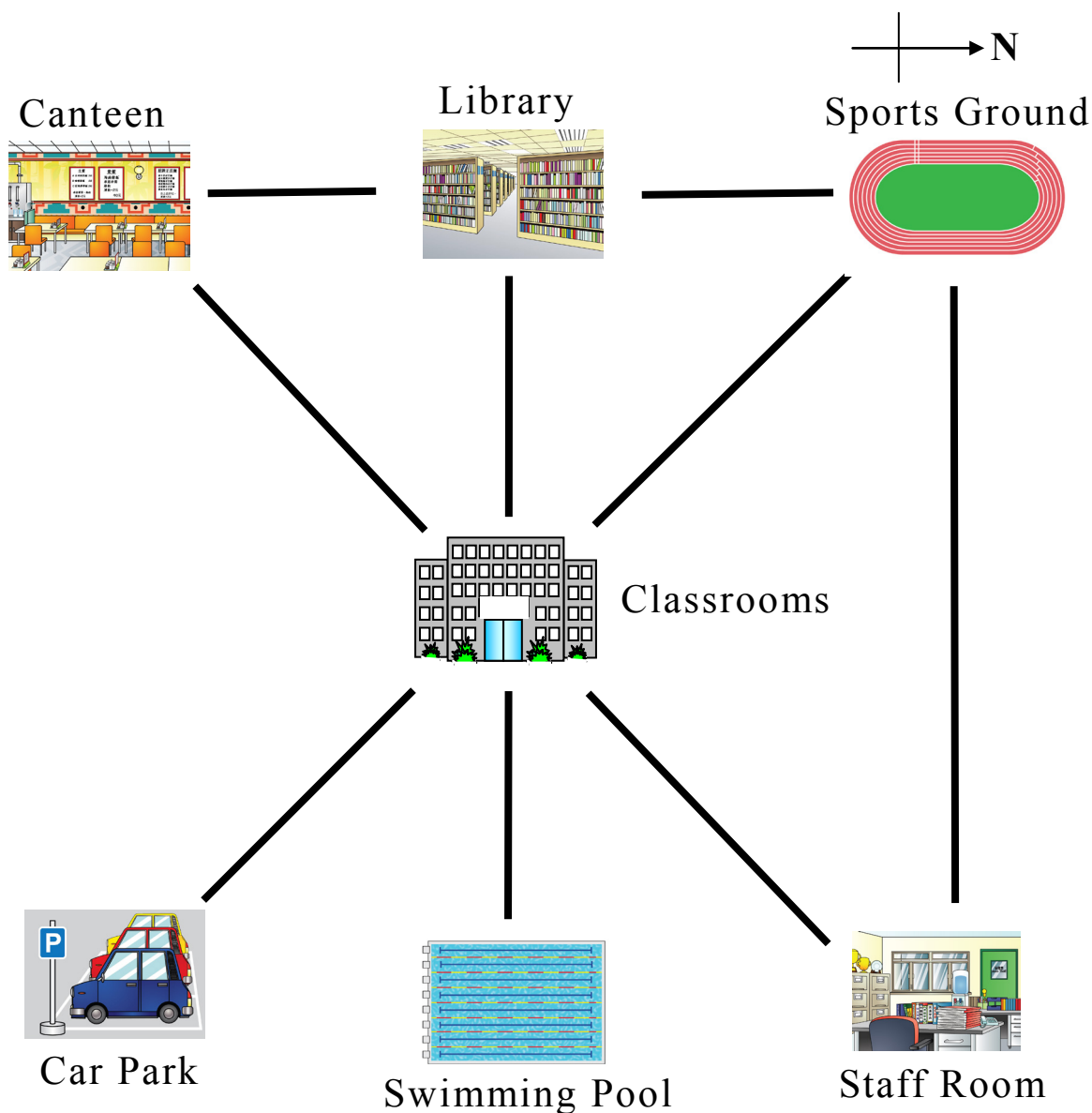
Answer: _____

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

Answer: _____

Please do not write in the margin.

32. The facilities of Ideal School are shown in the map below.



Please do not write in the margin.

- (a) Library is to the _____ of Sports Ground.
(direction)
- (b) _____ is to the south-west of Classrooms.
- (c) From Car Park, the swimming coach goes
_____ to reach Classrooms. Then
(direction)
he turns _____ to reach Swimming Pool.
(direction)

33. 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. $\frac{M}{6} - 8$

34. Which of the following is an equation?

- ☐ A. $10 \div 30 = \frac{1}{3}$
- ☐ B. $P + 10b$
- ☐ C. $20 = 15x$
- ☐ D. $5 - (y + 1)$

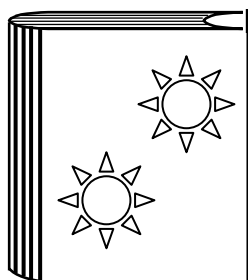
35. $3x - 6 = 18$

$x =$

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

$y =$

37.



\$24.00 each

Linda buys 8 pens and a notebook for \$120. Find the price of one pen by the *method of solving an equation*.

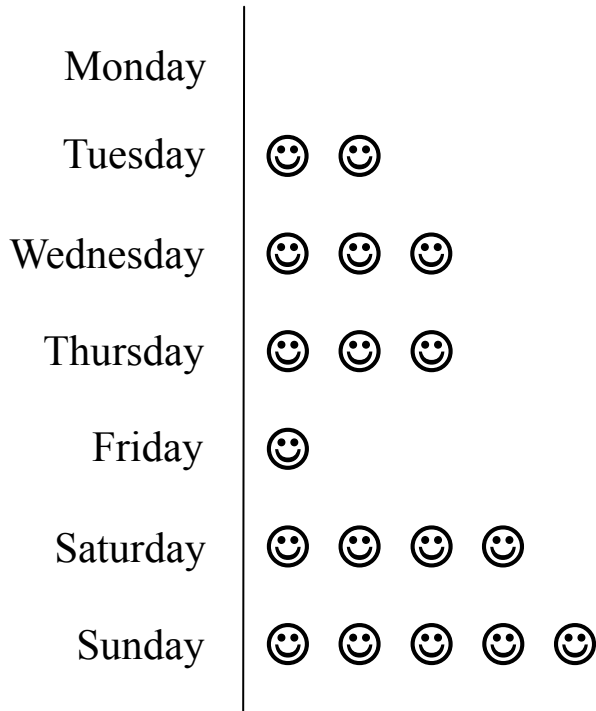
(Show your working)

Please do not write in the margin.

38. 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)

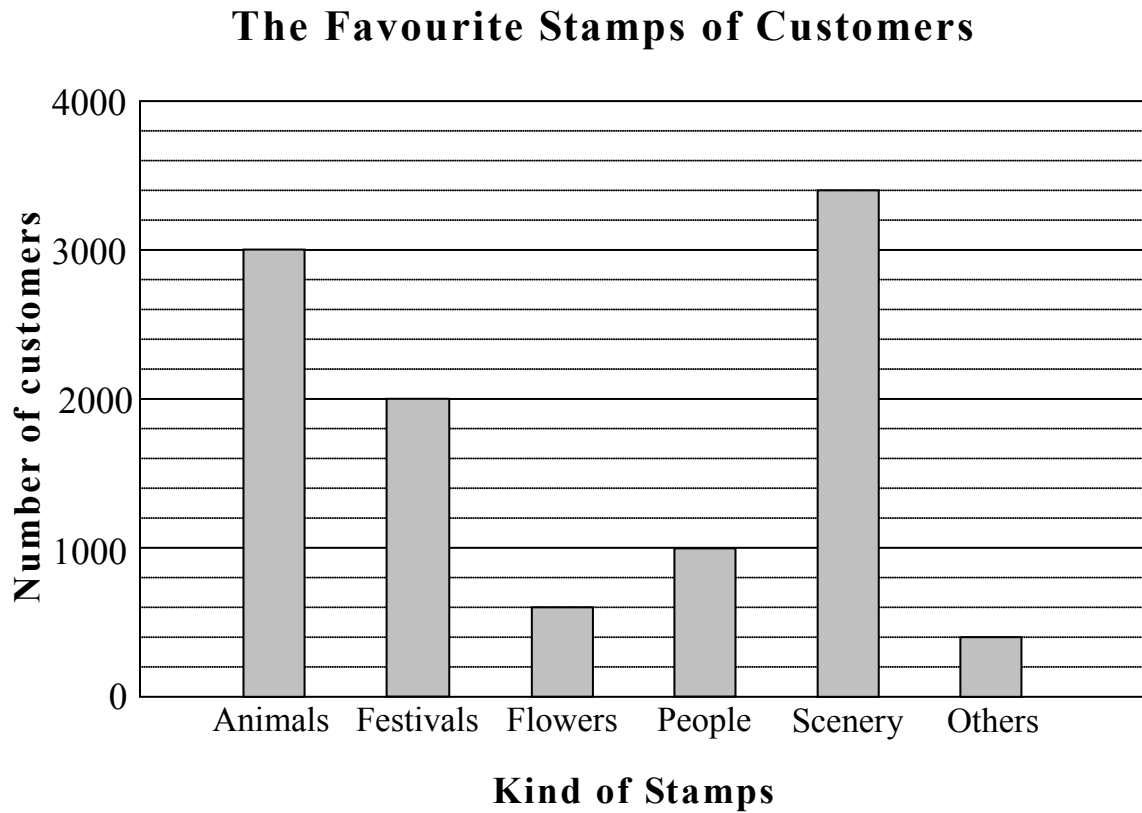
There were _____ visitors.

- (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)

Please do not write in the margin.

39. 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 _____ .

Please do not write in the margin.

40. The heights of the 4 members of the swimming relay team are listed below:

150 cm 155 cm 165 cm 170 cm

Their average height is _____ cm.

— END OF PAPER —

Please do not write in the margin.

