Education Bureau
Territory-wide System Assessment 2015
Primary 3
Mathematics

Instructions:

1. Stick barcode labels on pages 1, 3, 5, 7 and 9 in the spaces provided.
2. There are 37 questions in this test. Answer all questions.
3. Time allowed is 40 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 | **3** | | **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

1. A 5-digit number is shown below. The digit '2' is in the units place and the digit '3' is in the ten thousands place. Fill in each blank with a suitable digit.

	7	1	5	

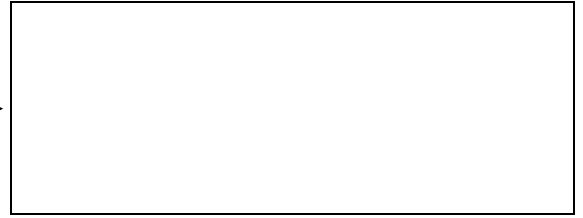2. Write the number '56 509' in words.

Answer: _____

3.

0	0	0	5	5

Mr Yip uses the five number cards above to form three different 5-digit **even numbers** and arranges them from the largest to the smallest. The second number is 50 500. Fill in each blank with a suitable number.

Answer: _____ , 50 500 , _____
        (Largest)   (Smallest)

4. $224 + 407 + 366 = $ _____

5. $925 - 373 - 478 =$

  ○ A. 74
  ○ B. 84
  ○ C. 174
  ○ D. 552

6. $482 \times 2 =$ _____

7. $127 \div 4 =$

  ○ A. 30…7
  ○ B. 31
  ○ C. 31…3
  ○ D. 310…3

8. $41 + 359 \times 2 =$

  ○ A. 659
  ○ B. 749
  ○ C. 759
  ○ D. 800

9. Tom buys 9 dozen egg tarts. That is a total of _____ egg tarts.

Please do not write in the margin.

Photo Package	Children's Photo	Family Photo	Passport Photo
Price	759 dollars	838 dollars	176 dollars

Weekly Special
Less 160 dollars for
Family Photo

10. Mr Chan chooses the Family Photo and Passport Photo packages. He pays _____ dollars altogether.

11. A charity organisation prepares 971 bags of rice for the elderly. Volunteer Team A gives out 402 bags of rice and Team B gives out 563 bags. The number of bags of rice left is _____ .

12. Mr Lee needs 7 strawberries to make a cake. He has 356 strawberries. How many cakes can he make at most? How many strawberries are left?
(Show your working)

13. At first, there are 632 'reusable lunch boxes' in a school. There are 24 classes and the teacher buys 9 more boxes for each class today. The total number of 'reusable lunch boxes' is _____ now.

14. On Mother's Day, a shopkeeper prepares 888 greeting cards for the customers. The shopkeeper gives out 247 greeting cards in the morning and 416 in the afternoon. How many greeting cards are left?
(Show your working)

15. There are 700 kilograms of bamboo in a zoo.
The pandas eat 32 kilograms of bamboo each day.

After 7 days, _____ kilograms of bamboo are left in the zoo.

Please do not write in the margin.

16.
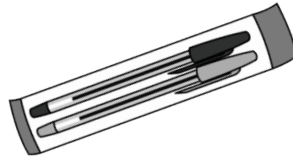
5 dollars for 2 pens

Each pen costs _____ dollars and _____ cents on average.

17. Mrs Wong makes 15 cups of jelly. $\frac{1}{3}$ of the whole are melon jelly and $\frac{1}{5}$ of the whole are pineapple jelly. The rest are lemon jelly.
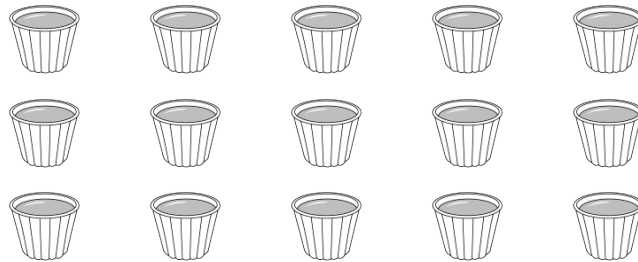
(a) The number of cups of pineapple jelly is _____ .

(b) $\dfrac{\boxed{}}{\boxed{}}$ of the whole are lemon jelly.

Please do not write in the margin.
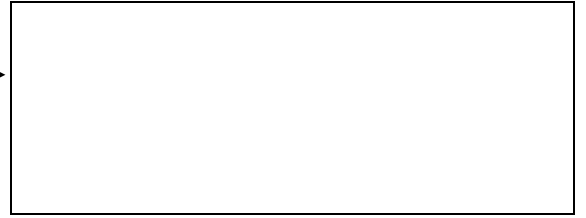
18. Which of the following has **<u>less than</u>** $\frac{1}{4}$ of the whole figure shaded ?
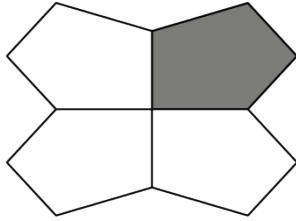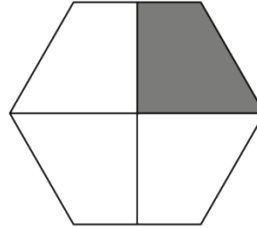
    ○ A.
    ○ B.
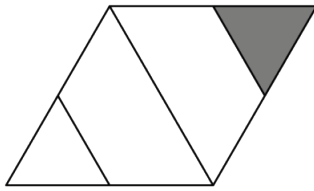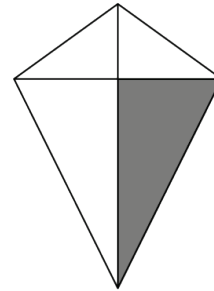
    ○ C.
    ○ D.

19. Fill in the boxes with suitable numbers.

(a) $\dfrac{\boxed{}}{\boxed{}}$ is equal to 1.

(b) $\dfrac{7}{8}$ is larger than $\dfrac{\boxed{}}{\boxed{}}$.

Please do not write in the margin.

20. In an orchard, $\frac{3}{10}$ of all the fruit trees are orange trees, $\frac{1}{10}$ of all the fruit trees are pear trees and $\frac{3}{5}$ of all the fruit trees are apple trees.

Most of the fruit trees are
* orange / pear / apple trees.
(*Circle the answer)

21. The table below shows the schedule of departure flights from Hong Kong. Write down the departure time of the following two flights by using "24-hour time".

(a) The flight JP601 to Tokyo will depart at eleven o' clock in the morning.
(b) The flight HA721 to Shanghai will depart at fifteen minutes to six in the afternoon.

Departure Time	Flight	Destination
06:40	KP283	Melbourne
_____:_____	JP601	Tokyo
_____:_____	HA721	Shanghai
23:45	LB650	London

(c) Thomas will take the flight LB650 to London. The time now is 20:30. There are still _____ hours and _____ minutes before the departure time.
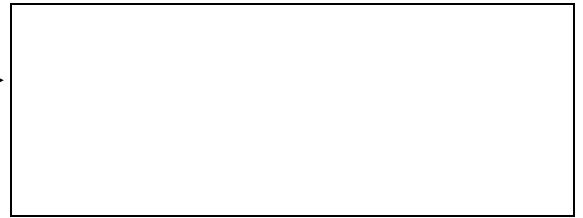
22. Study the map of railway stations below and answer the following questions.
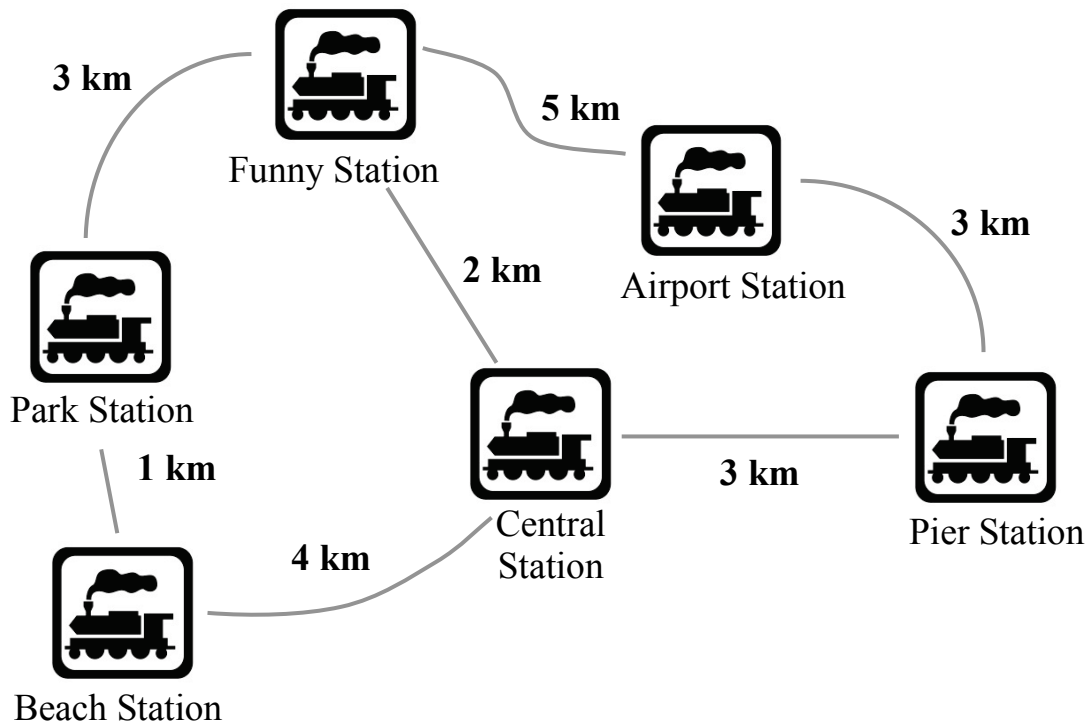
(a) The shortest route from Beach Station to Funny Station is _____ km.

(b) It is only 6 km from Airport Station to Central Station passing _____ Station.

23.
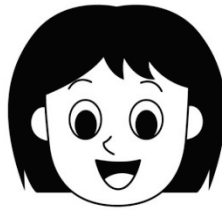
Which of the following is most suitable for measuring the distance between the two eyes of Judy?
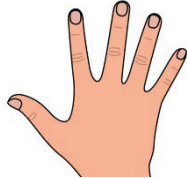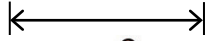
○ A.

○ B.

○ C.

○ D.

24. Linda pays the following amount for a skirt in a department store.

(a) Linda uses _____ 100-dollar notes.

(b) The price of the skirt is _____ dollars.

25. Compare the height of the poles below. Arrange them from the tallest to the shortest. Write the letters for the answer.
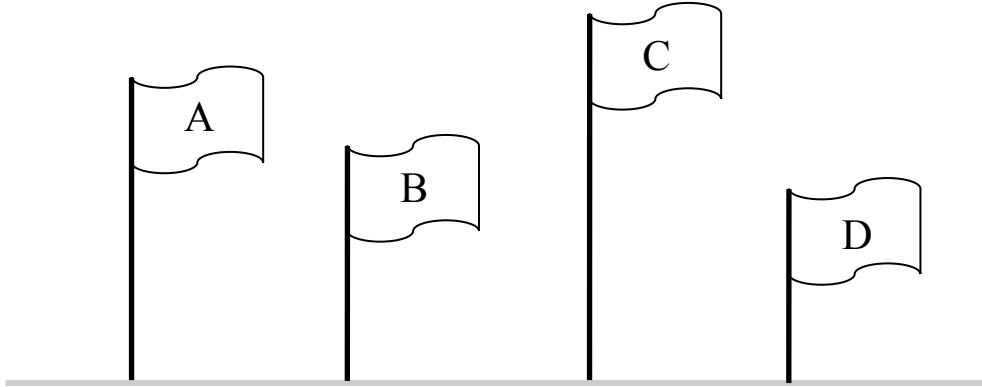
Answer: _____ , _____ , _____ , _____
       (Tallest)   (Shortest)

26. Which of the following tools is most suitable for measuring the weight of a man?

○ A.

○ B.

○ C.

○ D.
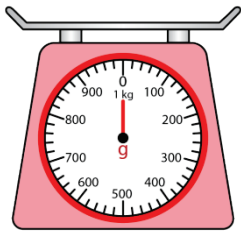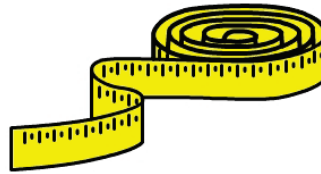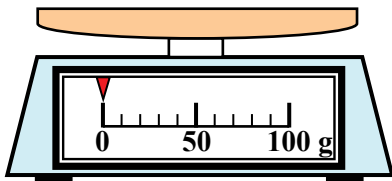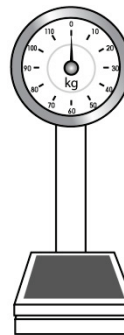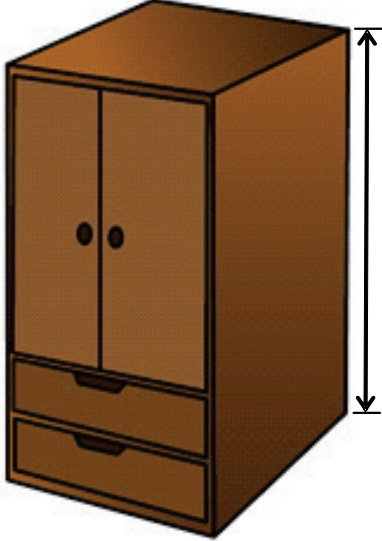
27. Mrs Cheung orders a wardrobe in a furniture store. Fill in the following blanks with suitable units.

Furniture Design

Height of wardrobe:
2 _____

Weight of wardrobe: about 22 _____

28.

can hold

1L   1L   1L

.
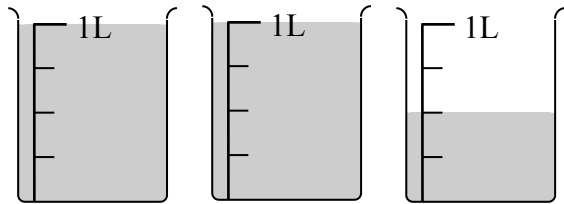
The capacity of   is _____ mL.

29. Which of the following 2-D shapes is a trapezium?
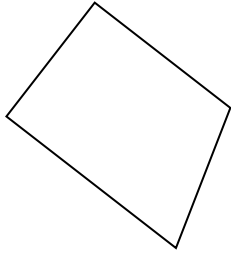
○ A.
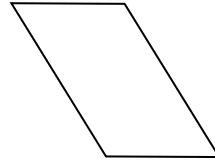
○ B.
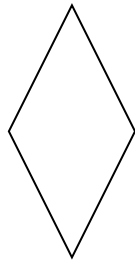
○ C.
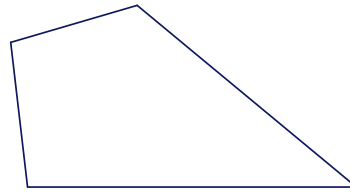
○ D.

30. Study the following 3-D shapes. Write down all the letters for the answers.
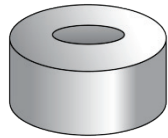
A
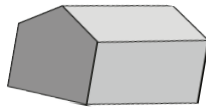
B
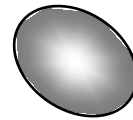
C
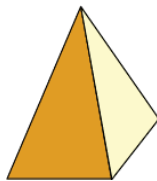
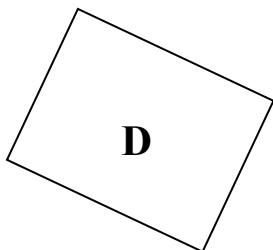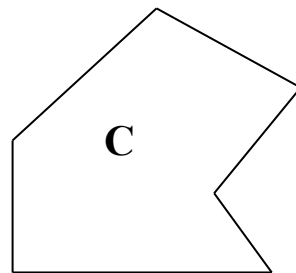D
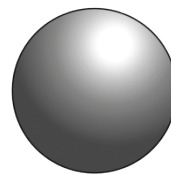
E

List:

(a) Sphere(s) : _____
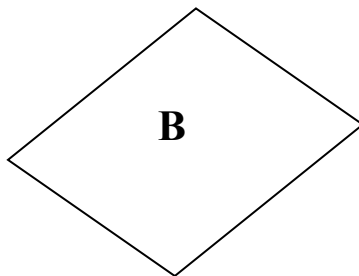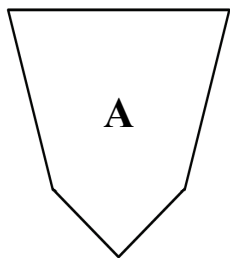
(b) Prism(s) :_____

31.
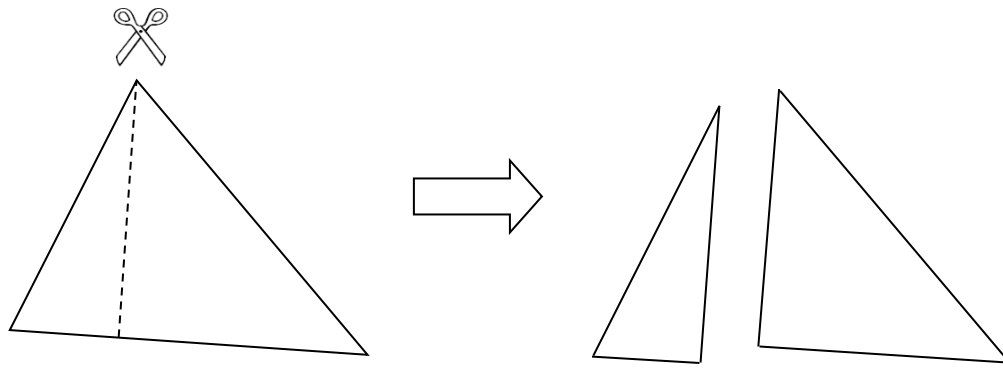
Judy cuts the triangle above along the dotted line. She gets

○ A. an isosceles triangle and an equilateral triangle.

○ B. an equilateral triangle and a right-angled triangle.

○ C. two isosceles triangles.

○ D. two right-angled triangles.

32. Study the 2-D shapes below. Write down all the letters for the answers.
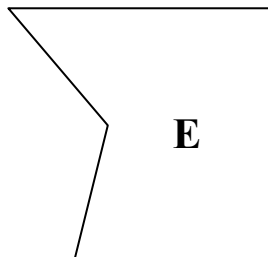
List:

(a)   Rectangle(s) : _____
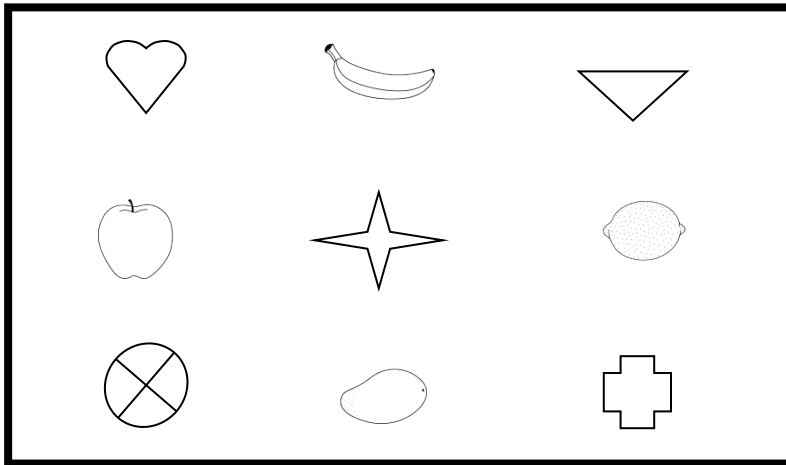
(b)   Pentagon(s): _____

33. A teacher puts different figures on a whiteboard.

He puts 🍌 on the right of ♡ .

(a) ✚ is

* above / under / on the left of / on the right of 🍋 .
(* Circle the answer)

(b) * 🍎 / 🥭 / 🍋 is on the left of ✦ .
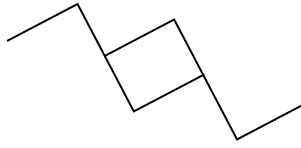
(* Circle the answer)

34. Study the 2-D shapes below. Write down all the letters for the answers.
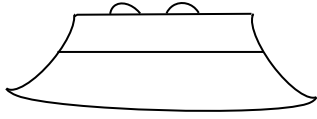
A

B
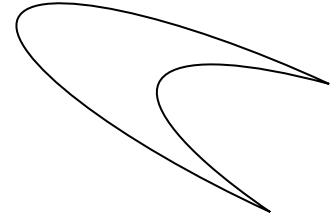
C

D
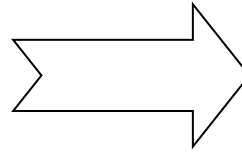
E

List:

(a) Figure(s) with curves only: _____

(b) Figure(s) with straight lines and curves:

_____

35.

Map of Happy Camp
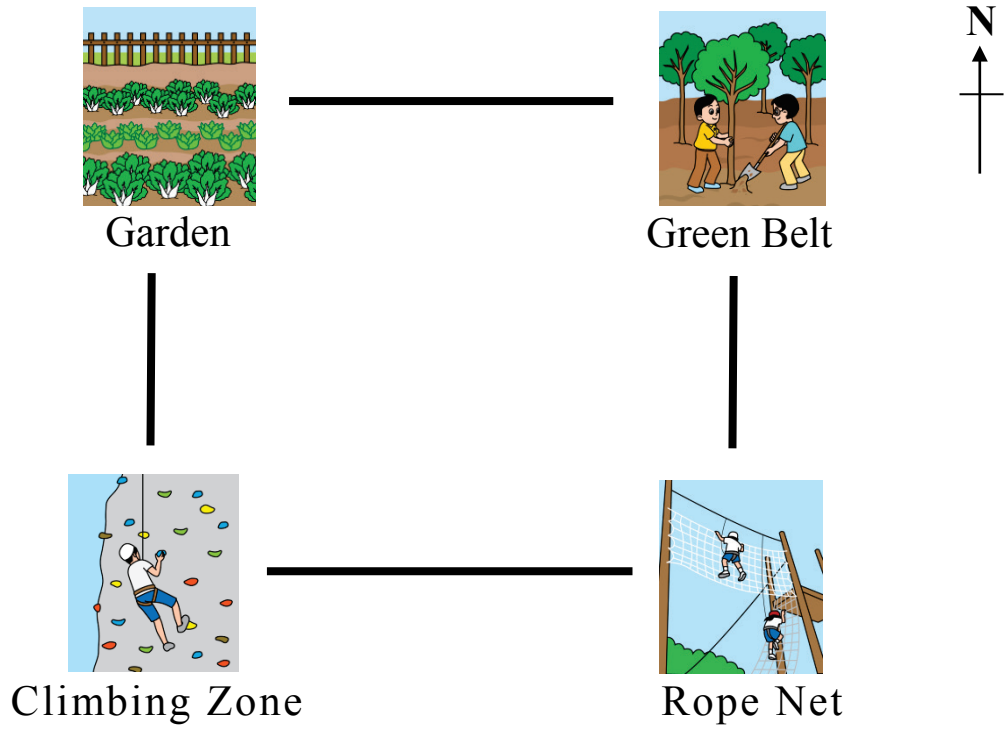
(a) Garden is to the _____ of Green Belt.
                        (direction)

(b) Starting from Garden, Paul goes _____
                                        (direction)

to Climbing Zone. He then turns _____
                                    (direction)

to reach Rope Net.

36. The pupils of P.3C voted for their favourite tourist attraction with one person, one vote. The results are as follows:

Tourist attraction	The Peak	The Big Buddha	Stanley Market	Avenue of Stars
Number of pupils	2	7	5	4

According to the results, complete the following pictogram and give it a title.

(Title)

Each ◯ stands for 1 pupil

	◯ ◯
The Big Buddha	
Stanley Market	
	◯ ◯ ◯ ◯
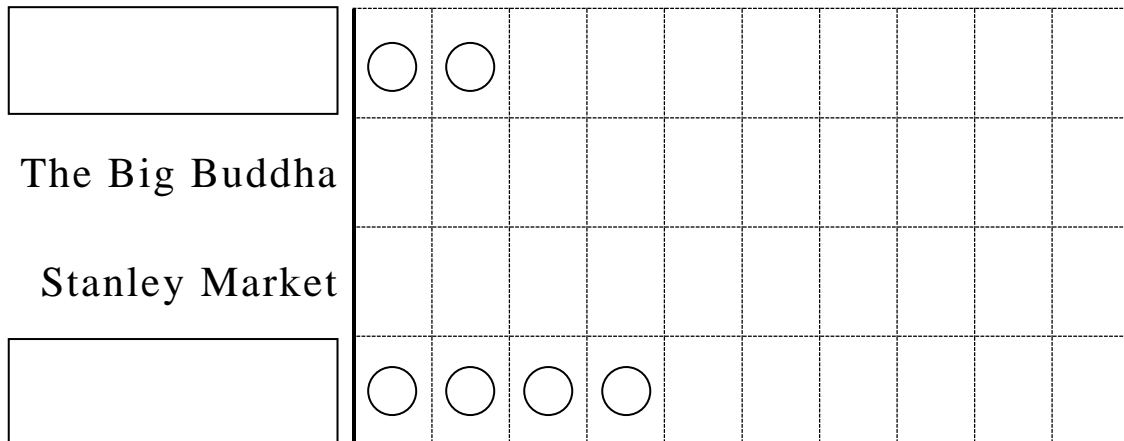
37. Five pupils joined the tree planting activity. The following pictogram shows the number of trees planted by each of the pupils.

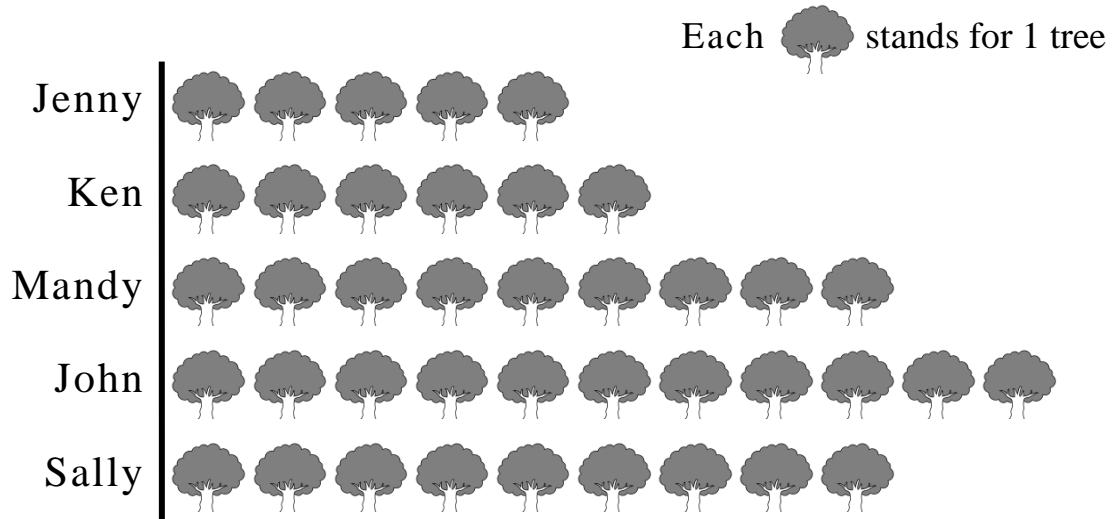**Number of Trees Planted by Five Pupils**

Each 🌳 stands for 1 tree

Jenny | 🌳 🌳 🌳 🌳 🌳
Ken | 🌳 🌳 🌳 🌳 🌳 🌳
Mandy | 🌳 🌳 🌳 🌳 🌳 🌳 🌳 🌳 🌳
John | 🌳 🌳 🌳 🌳 🌳 🌳 🌳 🌳 🌳 🌳 🌳
Sally | 🌳 🌳 🌳 🌳 🌳 🌳 🌳 🌳 🌳

(a) Among the five pupils,

* Jenny / Ken / Mandy / John / Sally

planted the least number of trees. He / She planted

_____ trees. (* Circle the answer)

(b) The number of trees that Ken planted was

_____ * more / less than that of Sally.

(* Circle the answer)

(c) Each pupil who plants 10 trees or more will get a badge. According to the pictogram, who will get a badge? Why?

Answer: *Jenny / Ken / Mandy / John / Sally

(*circle the answer) will get a badge

because _____

_____ .

— **END OF PAPER** —