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Please stick the barcode label in the box

**Education Bureau**  
**Basic Competency Assessment Research Study 2017**  
**Primary 3**  
**Mathematics**

**Instructions:**

1. Stick barcode labels on pages 1, 3, 5, 7 and 9 in the spaces provided.
2. There are 33 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

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| P |  |  |  |
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Class  
班別

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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

1. Write a 5-digit number according to the instructions below.

The digit '8' is in the hundreds place.

The digit '5' is in the thousands place.

The digit '3' is in the tens place.

The digit '0' is in the units place.

The digit '1' is in the ten thousands place.

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2. In the number 93 715, the digit '3' stands for

\* 3 / 30 / 300 / 3 000 / 30 000 .

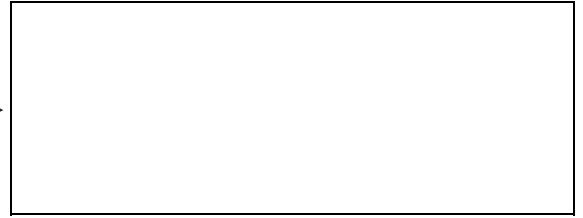
(\*Circle the answer)

3. Write an ***even number*** which is larger than 59 873 but smaller than 60 124.

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

4.  $204 + 365 + 178 =$  \_\_\_\_\_

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Please do not write in the margin.

5.  $752 - 328 - 135 =$

☐ A. 289

☐ B. 299

☐ C. 301

☐ D. 424

6.  $729 \times 4 =$  \_\_\_\_\_

7.  $467 \div 5 =$

☐ A. 91...2

☐ B. 93

☐ C. 93...2

☐ D. 903...2

8.  $485 - (308 + 47) =$  \_\_\_\_\_

Please do not write in the margin.

9. Mandy has 862 dollars at first. She spends 379 dollars in the morning and 405 dollars in the afternoon.
- She has \_\_\_\_\_ dollars left.
10. Each pupil gets 5 pieces of drawing paper.
- 75 pupils get \_\_\_\_\_ pieces of drawing paper altogether.
11. Lily joins a drawing class. The total fee for 6 months is 654 dollars. On average, the fee for one month is
- ☐ A. 19 dollars.
  - ☐ B. 109 dollars.
  - ☐ C. 190 dollars.
  - ☐ D. 3 924 dollars.

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12. Each cake costs 9 dollars. Jack pays with a 100-dollar note to buy 2 cakes. How much change does he get?  
(Show your working)

Please do not write in the margin.

13.



32 dollars

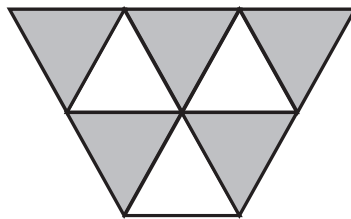


9 dollars and 50 cents

Kitty buys a toy bear and a lollipop.

She should pay \_\_\_\_\_ dollars and \_\_\_\_\_ cents altogether.

14. In the following figure, what fraction of the whole is shaded?



- ☐ A.  $\frac{3}{8}$
- ☐ B.  $\frac{3}{5}$
- ☐ C.  $\frac{5}{8}$
- ☐ D.  $\frac{5}{9}$

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Please do not write in the margin.

15. (a)  $\frac{3}{3}$  is \* smaller than / equal to / larger than  $\frac{2}{2}$  .  
(\*Circle the answer)

- (b) Fill in the box with a suitable number.

$$\frac{\boxed{\phantom{000}}}{13} \text{ is larger than } \frac{6}{13} .$$

16. Father buys a bottle of milk. Kitty drinks  $\frac{5}{11}$  of  
the whole, Charles drinks  $\frac{2}{11}$  of the whole and  
Linda drinks  $\frac{4}{11}$  of the whole.

Who drinks the least milk?

Answer: \* Kitty / Charles / Linda drinks  
the least milk.

(\*Circle the answer)

Please do not write in the margin.

17.



(a) A  costs

\_\_\_\_\_ dollars and \_\_\_\_\_ cents.

(b) Ryan buys a  .

Circle the amount he should pay.

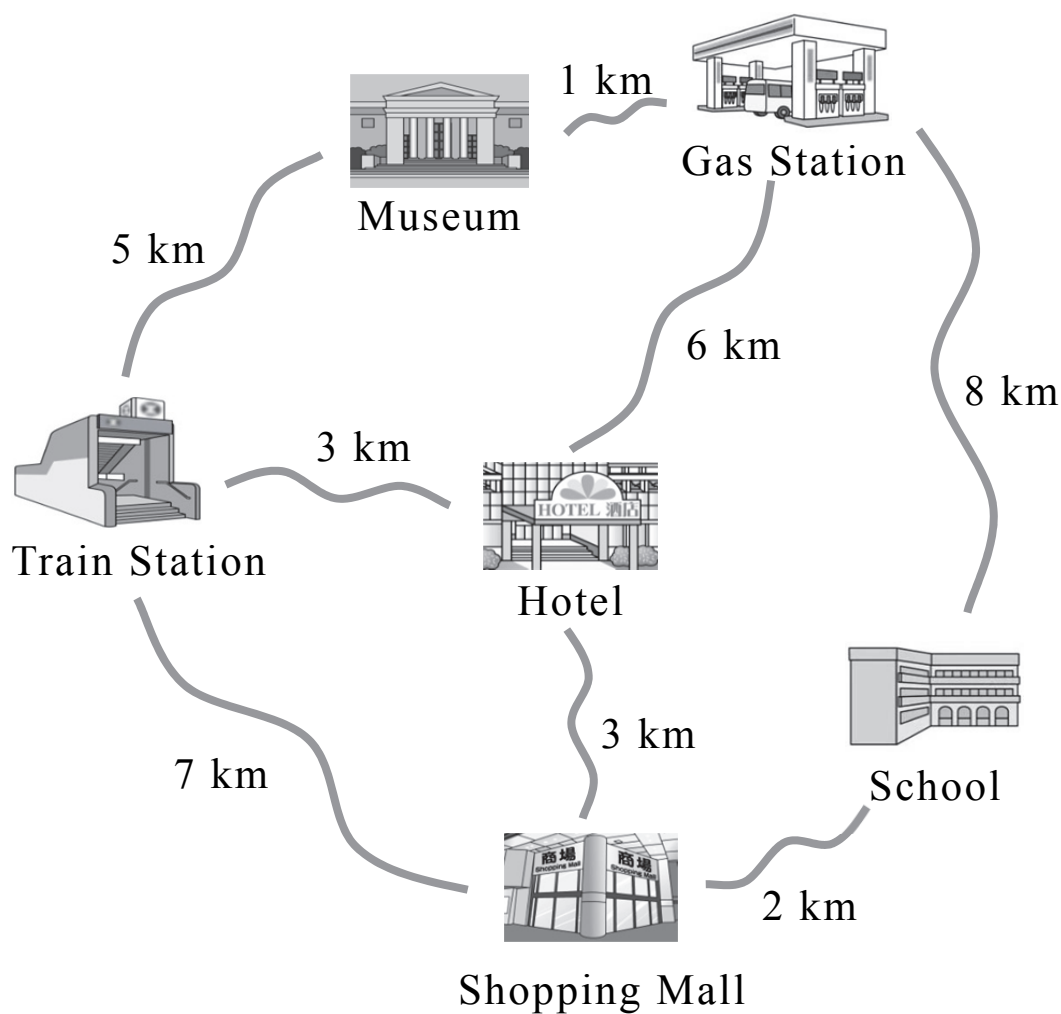




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18. Study the following diagram and answer the questions below.

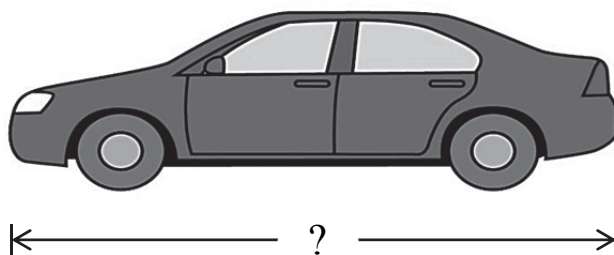


- (a) It is only 7 km from Hotel to Museum passing \_\_\_\_\_ .
- (b) The shortest route from Train Station to School is \_\_\_\_\_ km.

Please do not write in the margin.

Please do not write in the margin.

19. Use a ruler to measure the length of the toy car below.



The length of the toy car is \_\_\_\_\_ cm.

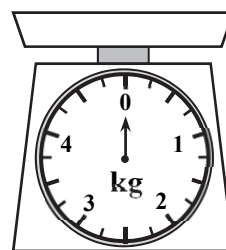
- 20.



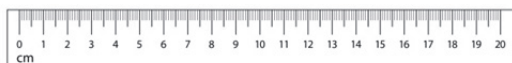
Which of the following is most suitable for measuring the capacity of a vase?



☐ A.



☐ B.

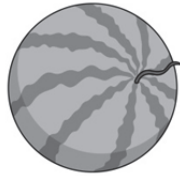


☐ C.

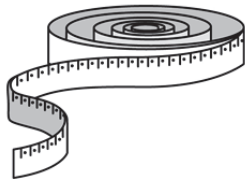


☐ D.

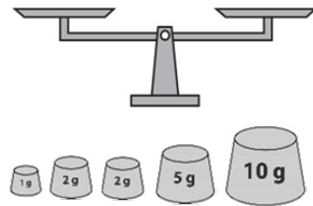
21.



Which of the following is most suitable for measuring the weight of a watermelon?



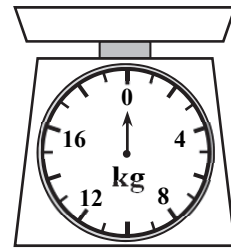
☐ A.



☐ B.



☐ C.



☐ D.

22. Fill in the following blanks with suitable units.

(a) The weight of a bag of rice is about

2 \_\_\_\_\_ .

(b) The length of a basketball court is about

28 \_\_\_\_\_ .

23. The opening hours of a bookstore on one day is shown below.

**Opening Hours**

13:30 – 20:30

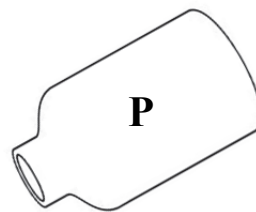
- (a) The bookstore opens at

\_\_\_\_\_ : \_\_\_\_\_ \* a.m. / p.m.

(\*Circle the answer)

- (b) The bookstore is open \_\_\_\_\_ hour(s) in a whole day.

24. Fill up container **P** with water. Then pour all the water into two empty measuring cups.

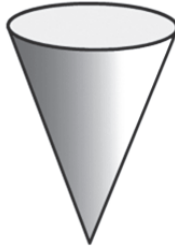


The capacity of container **P** is \_\_\_\_\_ mL.

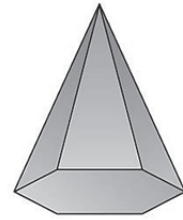
25. Follow the instruction. Write down all the letters for the answers.



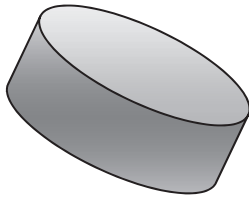
A.



B.



C.



D.



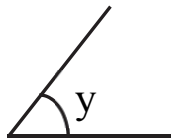
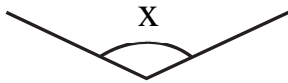
E.

List:

(a) Cylinder(s): \_\_\_\_\_

(b) Sphere(s): \_\_\_\_\_

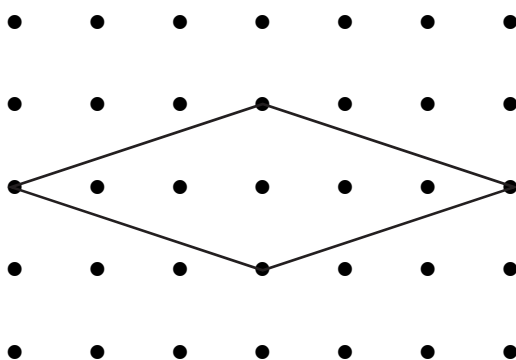
26.



Study the diagram above. Arrange the angles x, y and z from the largest to the smallest.

Answer: \_\_\_\_\_ , \_\_\_\_\_ , \_\_\_\_\_  
(Largest) (Smallest)

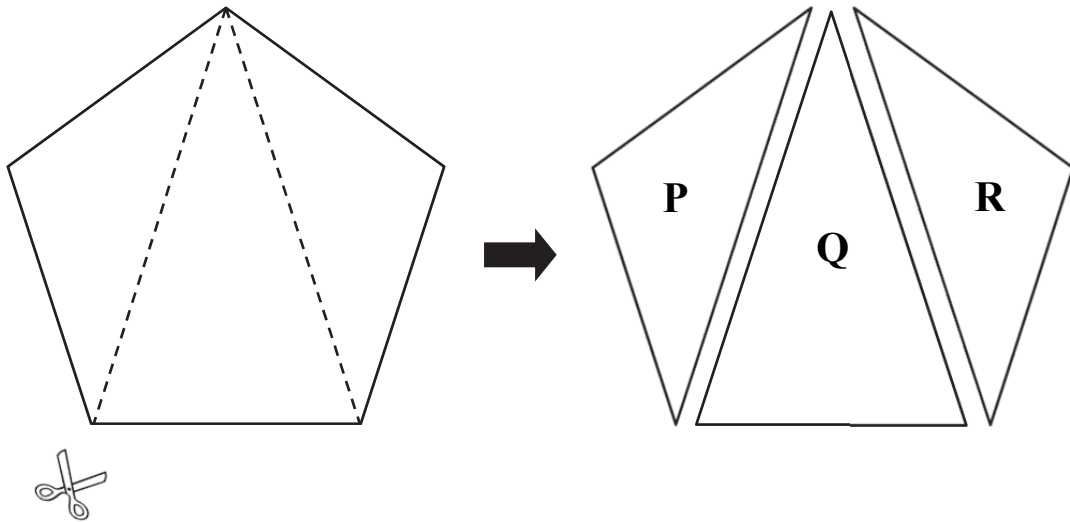
27. David uses a rubber band to make a 2-D shape on the pin-board.



This is a

- ☐ A. square.
- ☐ B. rhombus.
- ☐ C. rectangle.
- ☐ D. trapezium.

28. The sides of the pentagon below are equal in length.



Peter cuts the pentagon along the dotted lines.

He gets three triangles. Figure **P** is

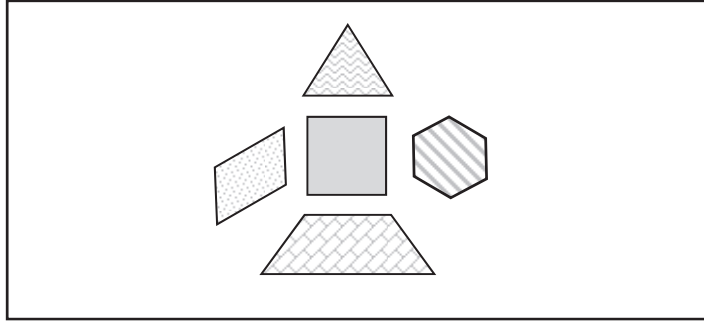
\* a right-angled / an isosceles / an equilateral triangle.

(\*Circle the answer)

Please do not write in the margin.

Please do not write in the margin.

29. Miss Au puts five 2-D shapes on *a wall*.



The shape above  is

\*  /  /  .

(\*Circle the answer)

30. Study the letters below. Write down all the answers.

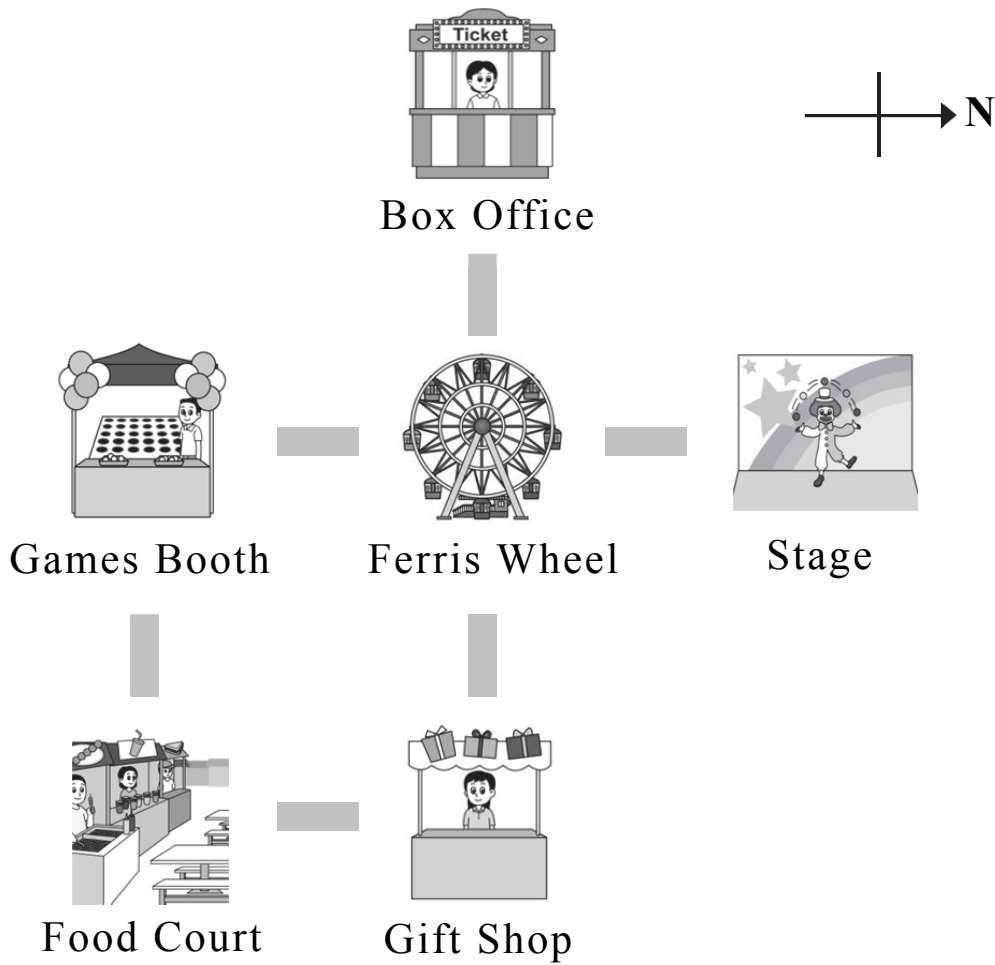
T Y P C

List:

- (a) The letter(s) formed by curve(s) only: \_\_\_\_\_
- (b) The letter(s) formed by straight line(s) only: \_\_\_\_\_



31. The map of a fun fair is shown below.

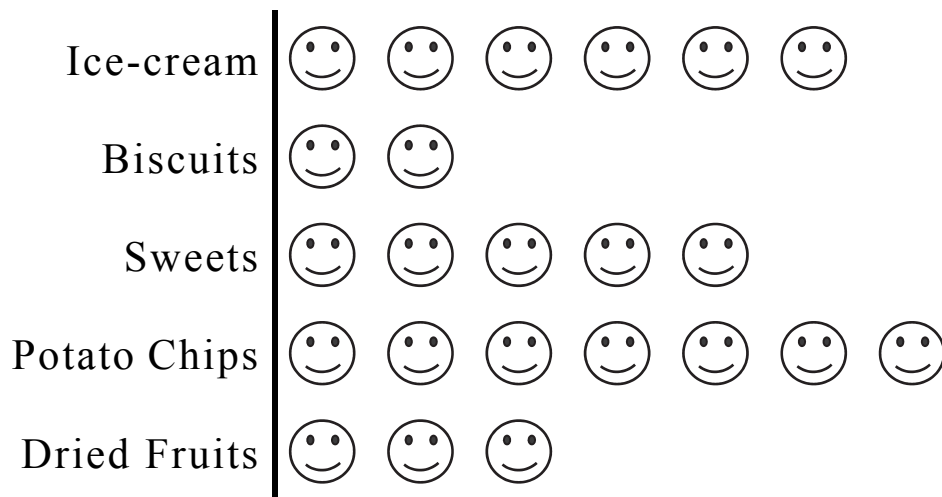


- (a) Cindy goes north from Ferris Wheel to  
 \* Box Office / Stage / Games Booth .  
 (\*Circle the answer)
- (b) Food Court is to the \_\_\_\_\_ of Games  
 Booth.  
 (direction)

32. Mr Ng did a survey of the favourite snacks of P.3C pupils.

### Favourite Snacks of P.3C Pupils

Each ☺ stands for 1 pupil



- (a) The number of pupils who favoured sweets was \_\_\_\_\_ .
- (b) The number of pupils who favoured ice-cream was \_\_\_\_\_ \* more / less than that of pupils who favoured biscuits.
- (\*Circle the answer)

33. The pupils of P.3A voted for their favourite drinks with one person, one vote.

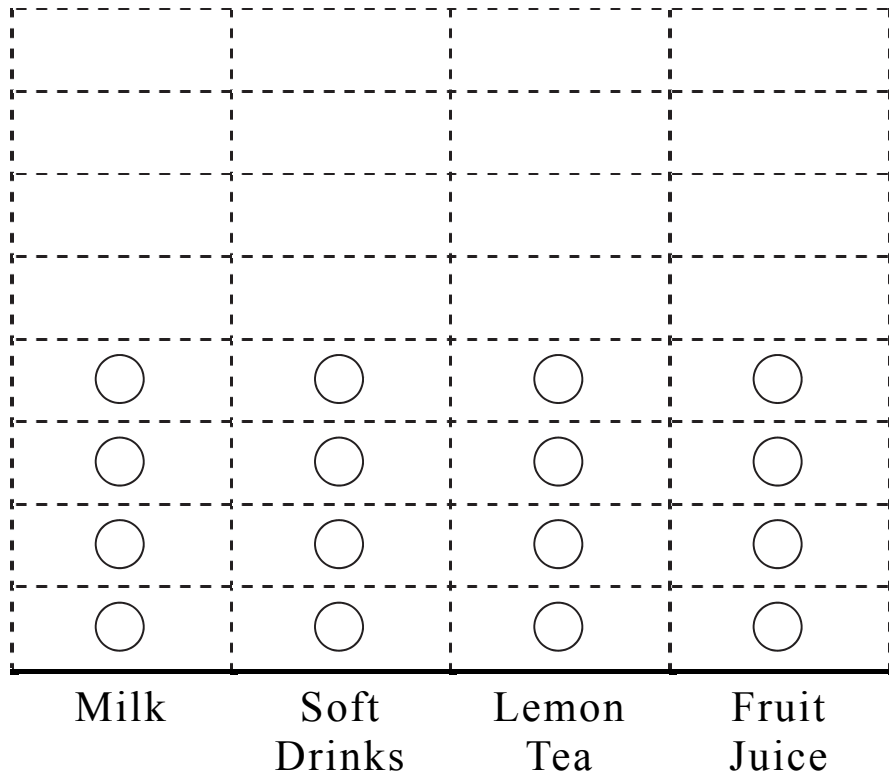
(a) According to the record, complete the table below.

| Type of drinks   | Milk | Soft Drinks | Lemon Tea | Fruit Juice |
|------------------|------|-------------|-----------|-------------|
| Record           |      |             |           |             |
| Number of pupils |      |             |           |             |

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

(Title)

Each ○ stands for 1 pupil



— END OF PAPER —

