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Education Bureau

Territory-wide System Assessment 2010

Primary 3

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 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 space provided.

School Code
學校編號

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Class
班別

3	
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Class
No.
班號

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

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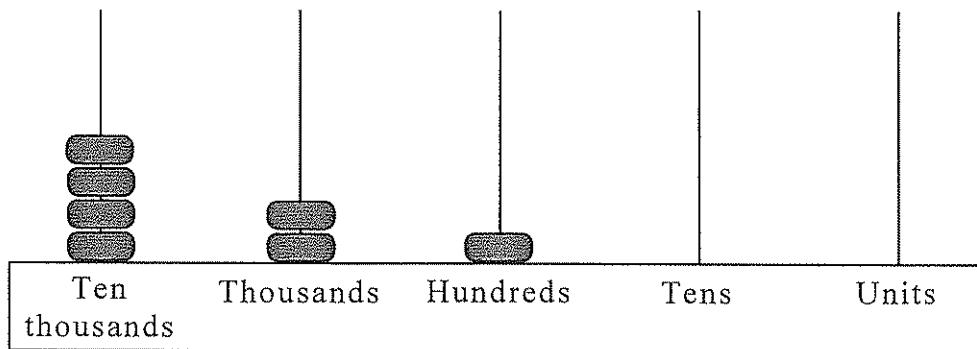
1. In the number 30 009, what does '3' stand for?

- A. Thirty
- B. Three hundred
- C. Three thousand
- D. Thirty thousand

2. Which of the following is 'fifty thousand and three hundred'?

- A. 5 030
- B. 5 300
- C. 50 300
- D. 53 000

3.



Write in numerals the number shown on the above abacus.

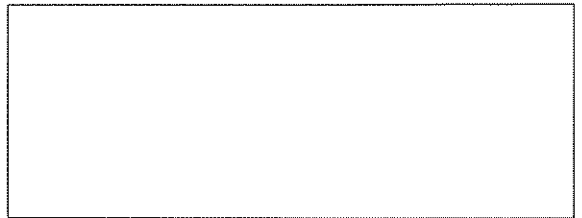
Answer: _____

4. $82 + 98 =$ _____

5. $308 - 173 - 73 =$ _____

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6. Which of the following is correct?

A.
$$\begin{array}{r} 7 \overline{)749} \\ \underline{17} \end{array}$$

B.
$$\begin{array}{r} 7 \overline{)749} \\ \underline{17} \end{array}$$

C.
$$\begin{array}{r} 7 \overline{)749} \\ \underline{107} \end{array}$$

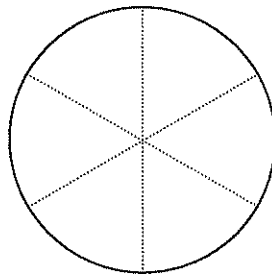
D.
$$\begin{array}{r} 7 \overline{)749} \\ \underline{170} \end{array}$$

7. $8 \times 260 =$ _____

8. $870 \div 3 =$ _____

9. $7 \times 123 - 681 =$ _____

10. Mother divides a cake into 6 equal pieces. Peter eats 2 pieces. What fraction of the cake does Peter eat?

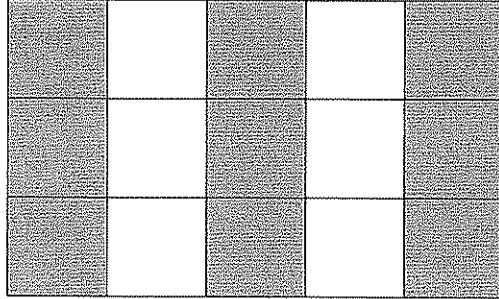



Answer: Peter eats _____ of the cake.

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11. The diagram below is made up of squares of the same size. Some of the squares are shaded. Use a pencil to shade the rest of the squares, so that $\frac{11}{15}$ of the whole diagram is shaded.



12. Kitty has one . After she buys a cartoon book for 36 dollars and 50 cents, she still has _____ dollars and _____ cents left.

13. In the garden, there are 175 apple trees, 137 orange trees and 168 pear trees. The total number of trees in the garden is _____.

14. Mr Wong buys 9 boxes of pencils for \$504. The price of each box of pencils is \$ _____ on average.

15. Arrange the following fractions from the largest to the smallest.

$$\frac{9}{19}, \quad \frac{9}{10}, \quad \frac{9}{13}$$

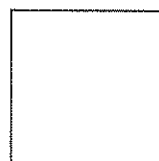
Answer:



,



,



(Largest)

(Smallest)

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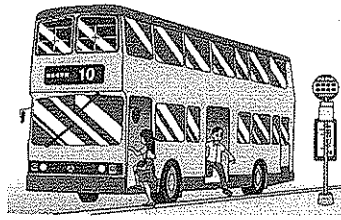
16. A shopkeeper gets \$912 by selling newspapers. The price of a newspaper is \$6. How many newspapers does he sell?
(Show your working)

17. The price of a bottle of soft drink is \$8. Fiona pays \$50 for 3 bottles of soft drink. How much change should she get?
(Show your working)

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18.



There are 103 passengers on a bus when it leaves the terminal. When the bus arrives at the next stop, 18 people get on and 4 people get off. The number of passengers left on the bus is _____.

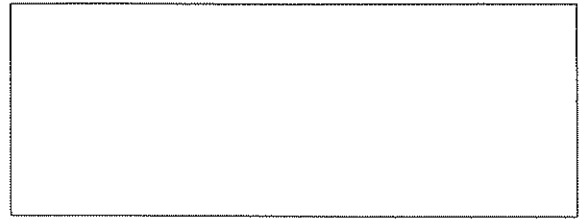
19. Mother buys some fun fair tickets and pays:



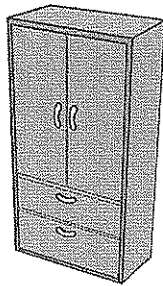
She pays a total of _____ dollar(s) and _____ cent(s).

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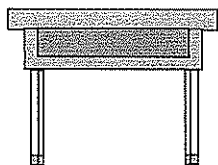
20. Which of the following items is the most suitable to be measured with 'stride length' ?



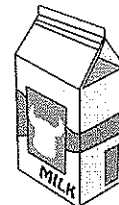
A. Height of a wardrobe



B. Distance between two buildings



C. Length of a pupil's desk

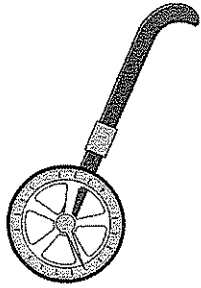


D. Width of a carton of drink

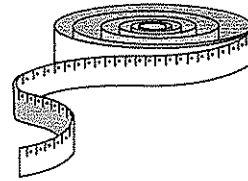
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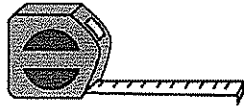
21. Which of the following measuring tools is the most suitable for measuring the length of a railway platform?



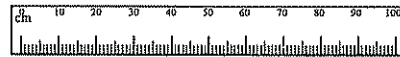
A. Trundle wheel



B. Tape measure



C. Measuring tape




D. Metre rule

22. Write down the suitable measuring unit in each of the following.


(a) The height of a big wheel is about 105 _____.



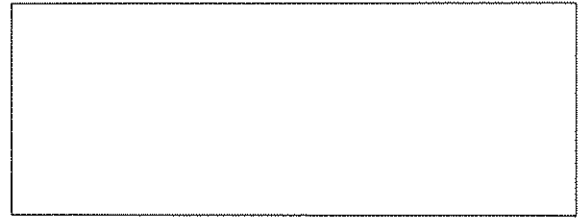
(b) A shuttlecock  weighs about 5 _____.

(c) The thickness of a mobile phone is about 9 _____.

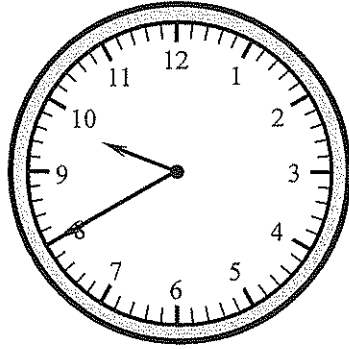


(d) Children  over 1 _____ tall must buy a ticket for admission to the cinema.

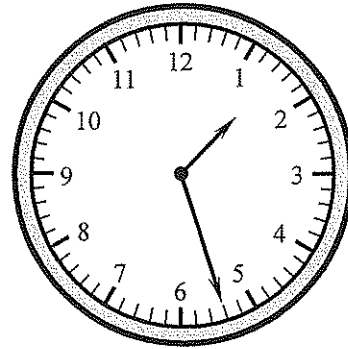
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23. Mr Wong went to Singapore from Hong Kong by aeroplane.



Departure

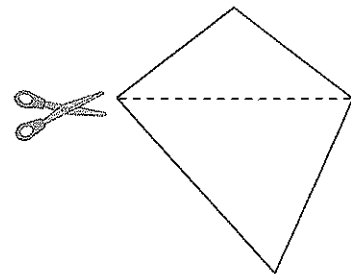


Arrival

- (a) He departed at _____ minute(s) to _____ in the morning.
- (b) He arrived in Singapore in the afternoon of the same day. Write the arrival time using the '24-hour time'.
The time was _____ : _____.
- (c) It took him _____ hours and _____ minutes to travel from Hong Kong to Singapore.

24. By cutting along the dotted line in the figure shown on the right, we can get two

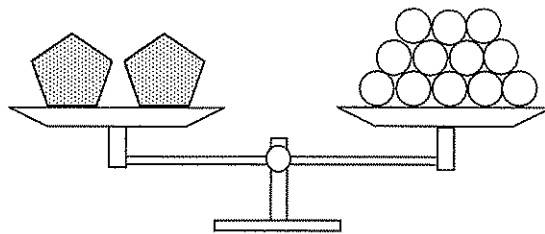
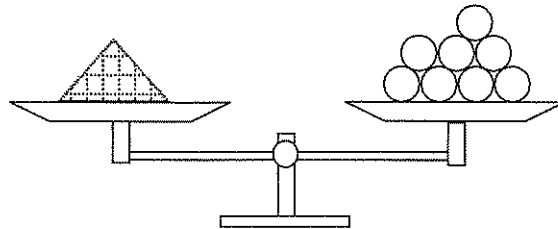
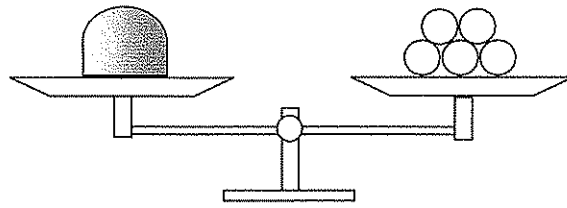
- A. right-angled triangles.
- B. equilateral triangles.
- C. isosceles triangles.
- D. scalene triangles.




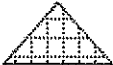







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25.



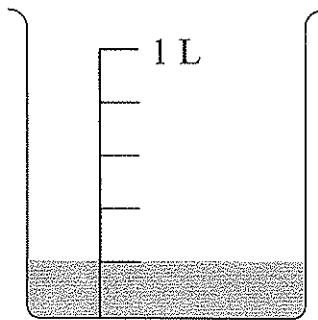
Study the diagrams above. Which of the following is correct?

- A.  is heavier than  .
- B.  is lighter than  .
- C.   is lighter than  .
- D.  and  weigh the same.

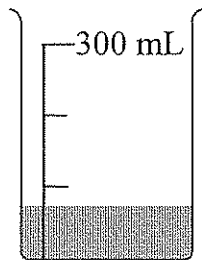
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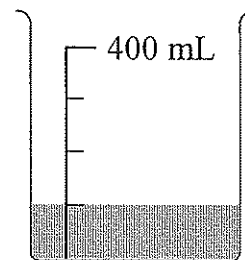
26.



Beaker P



Beaker Q

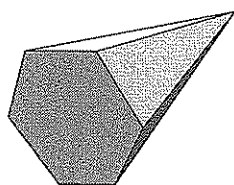


Beaker R

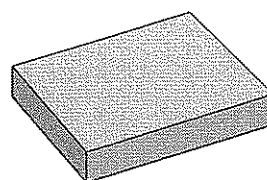
Study the diagrams above. Which of the following is correct?

- A. The amount of water in beaker P is the largest.
- B. The amount of water in beaker Q is the largest.
- C. The amount of water in beaker R is the largest.
- D. The amount of water in beakers P, Q and R is the same.

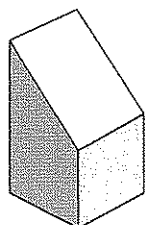
27. Name the following 3-D shapes.



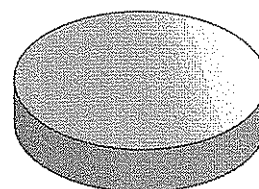
(a) Answer: _____



(b) Answer: _____



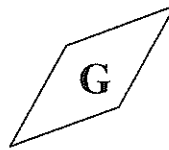
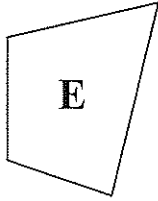
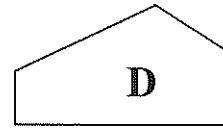
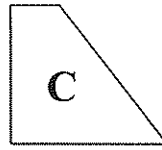
(c) Answer: _____



(d) Answer: _____

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28. Follow the instructions. Write down the letter(s) for the answers.

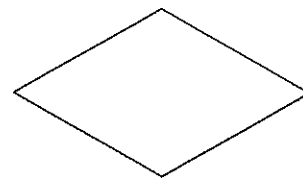


List:

(a) Pentagon(s): _____

(b) Trapezium(s): _____

29. Name the following 2-D shapes.



(a) Answer: _____

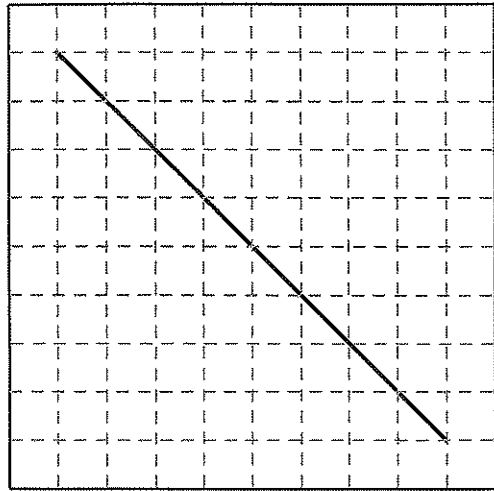
(b) Answer: _____

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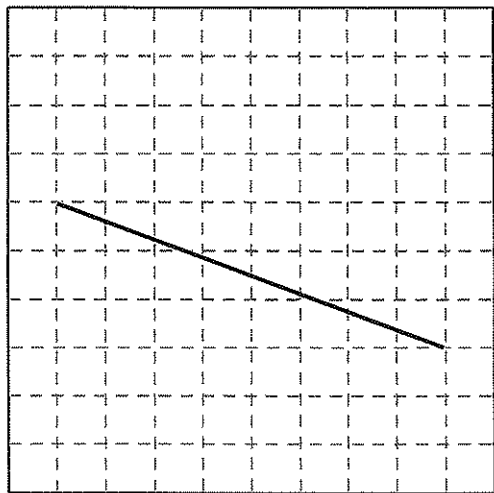
30. Draw a straight line perpendicular to the straight line in Figure 1.

Figure 1

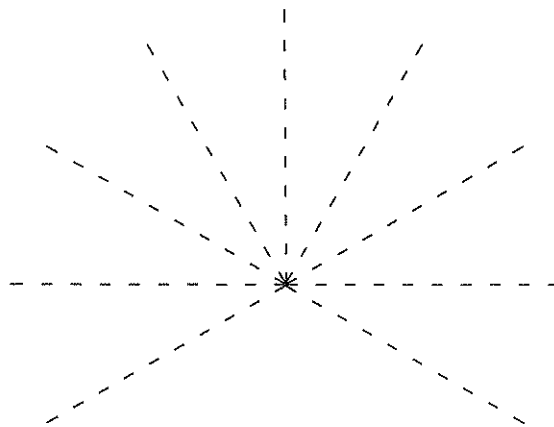


Draw a straight line parallel to the straight line in Figure 2.

Figure 2



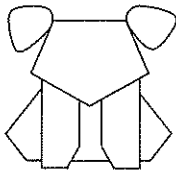
31. In the figure below, draw on the dotted lines to show one right angle.



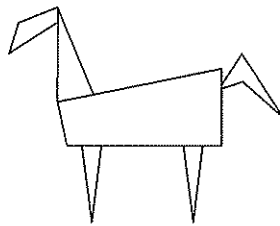
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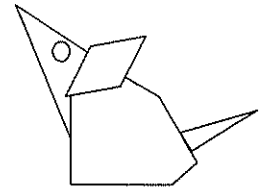
32. Follow the instructions. Write down the letter(s) for the answers.



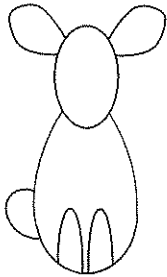
A



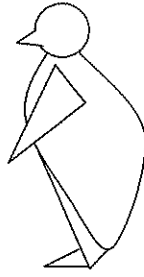
B



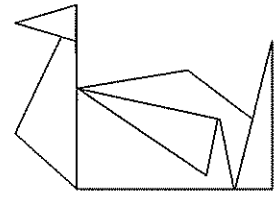
C



D



E



F

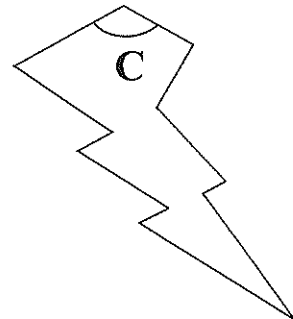
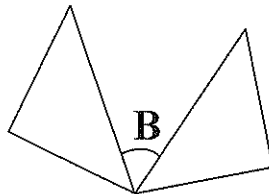
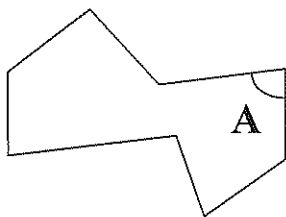
List:

(a) Figure(s) made up of straight lines only:

(b) Figure(s) made up of curves only:

(c) Figure(s) made up of straight lines and curves:

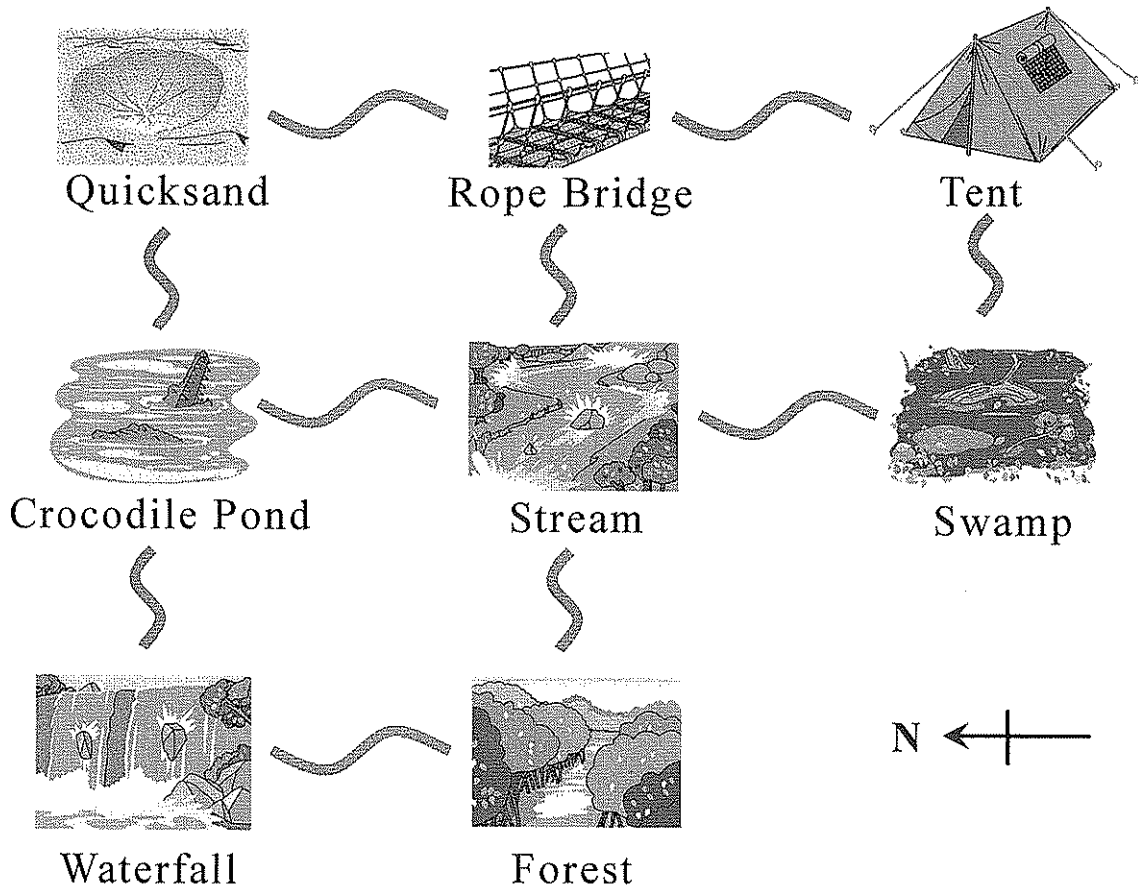
33. Arrange the angles A, B, and C in the diagrams below in order, from the largest to the smallest.



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

Please do not write in the margin.

34. Study the figure below and answer the following questions.




- (a) Tent is to the _____ of Rope Bridge.
(direction)
- (b) Waterfall is to the west of _____.
- (c) David is going from Forest to Crocodile Pond.
He first goes _____, passes
(direction)
_____, and then goes _____
(direction)
to reach Crocodile Pond.

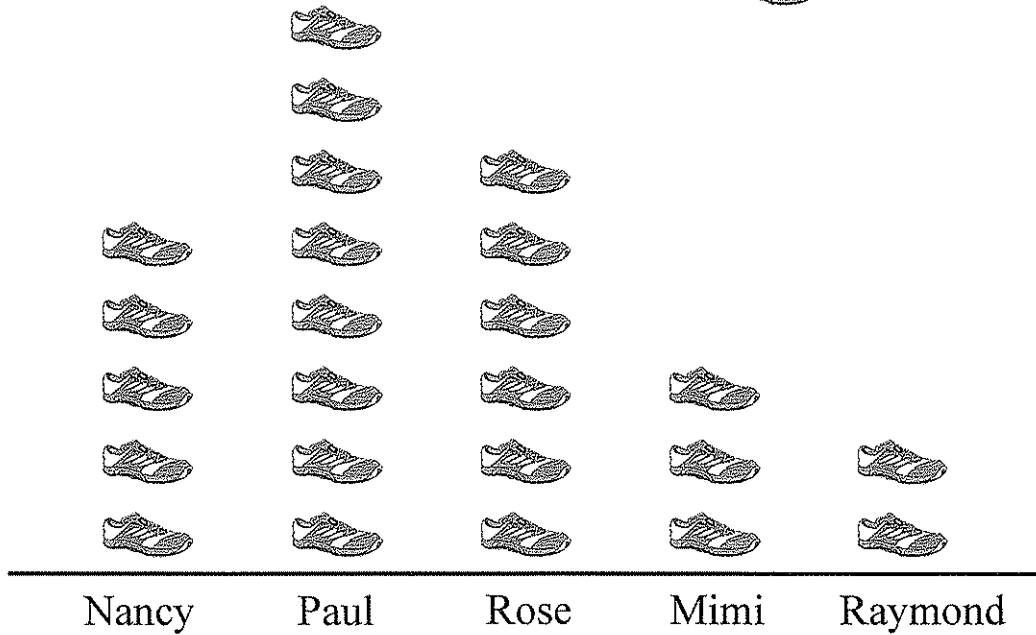
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35. During the PE lesson, the pupils run around the playground. The following pictogram shows the number of laps finished by five pupils.

**Number of laps around the playground
finished by pupils**

Each  stands for 1 lap



- (a) Nancy runs around the playground for _____ laps.
- (b) Who finishes most laps?
Answer: _____ finishes most laps.
- (c) The number of laps finished by Mimi is _____ lap(s) *more / less than that of Raymond.
(*Circle the answer)
- (d) A pupil has to finish 6 laps or more in order to join the sports team. Who can join the sports team?
Answer: *Nancy / Paul / Rose / Mimi / Raymond
can join the sports team.
(*Circle all the answers)

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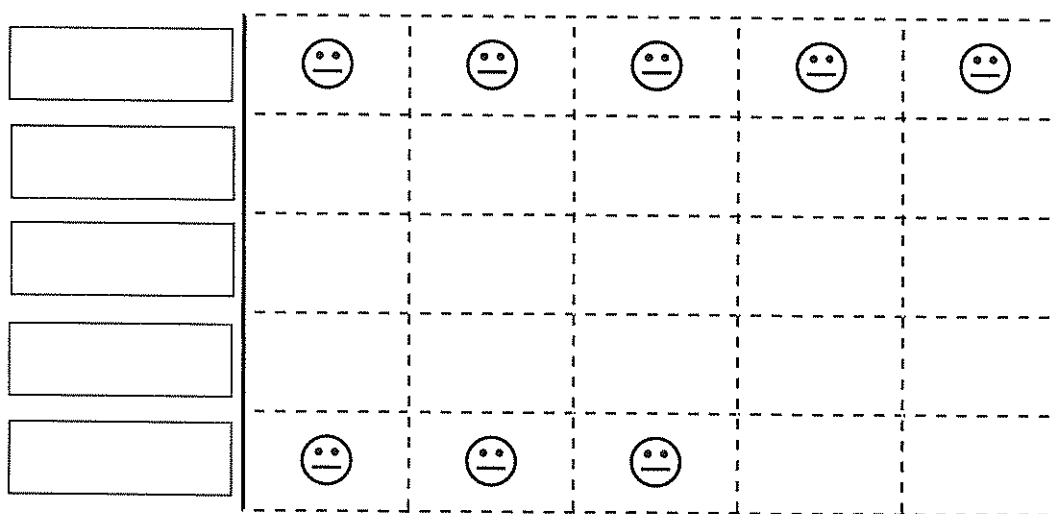
36. The head teacher counted the number of pupils who went to the medical room last week.

Weekday	Monday	Tuesday	Wednesday	Thursday	Friday
Number of pupils	5	4	2	0	3

According to the above table, complete the pictogram below and give it a title.

(Title)

Each ☹️ stands for 1 pupil



— END OF PAPER —

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2010-TSA-MATH-3ME1-20