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Please stick the barcode label in the box

Education Bureau
Territory-wide System Assessment 2012
Primary 3
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 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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Class
班別

3	
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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. In the number 29 583, the value of the digit '9' is _____.

2. Three 5-digit numbers are arranged from the smallest to the largest:

29 150 , , 30 005
(Smallest) (Largest)

The number in the box may be

- ☐ A. 28 550.
- ☐ B. 29 600.
- ☐ C. 30 250.
- ☐ D. 31 050.

3. Write 'ten thousand and thirty' in numerals.

Answer: _____

4. $172 + 54 + 628 =$ _____

5. $700 - (562 - 41) =$ _____

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Please do not write in the margin.

6. $3 \times 918 =$ _____

7. $752 \div 8 =$ _____

8. $628 \div 3 =$

- ☐ A. 29
- ☐ B. 209
- ☐ C. 29...1
- ☐ D. 209...1

9. $220 - (46 + 76) =$

- ☐ A. 98
- ☐ B. 108
- ☐ C. 198
- ☐ D. 250

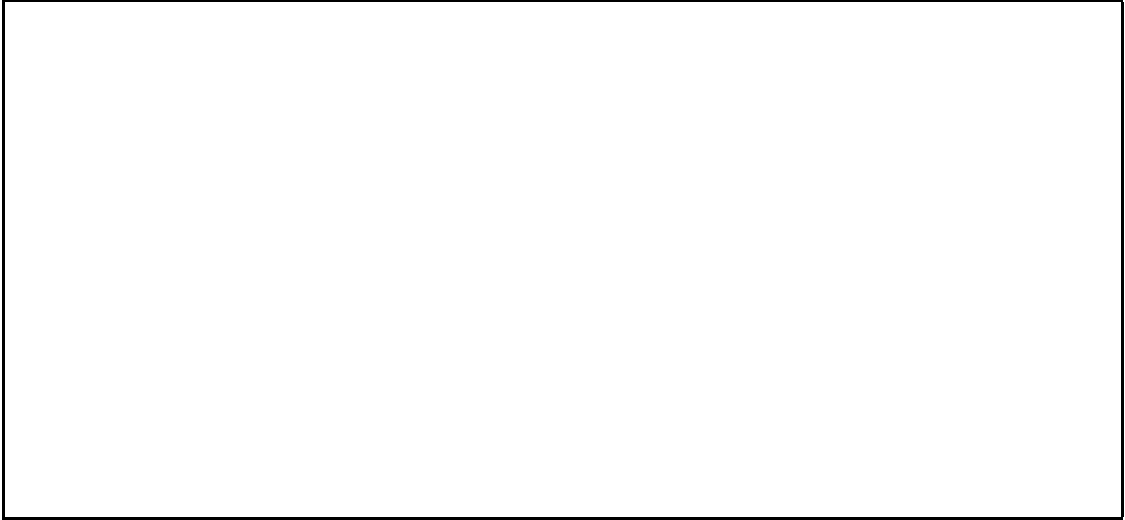
10. $9 \times 15 + 215 =$ _____

Please do not write in the margin.



11. On Saturday, 409 swimmers went to the swimming pool. The number of swimmers on Sunday was 58 more than that on Saturday. What was the total number of swimmers in these two days?

(Show your working)



12.

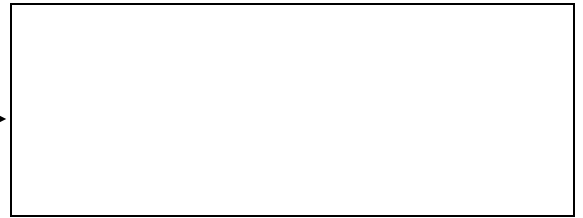


Nancy uses 115 dollars to exchange for tokens. How many tokens can she get at most? How much does she have now?

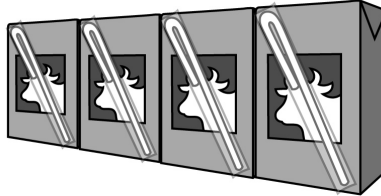
Answer: She can get _____ tokens at most.

She now has _____ dollar(s).

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13.



A pack of chocolate milk has four cartons. One pack costs 20 dollars and 40 cents. Each carton of chocolate milk costs _____ dollars and _____ cents on average.

14.

Hot Pot Buffet

Adult	\$88 each
Child (12 years old or below)	\$68 each

Susan is nine years old today. Susan and her parents are going to have hot pot buffet. How much should these three persons pay altogether?

(Show your working)

Please do not write in the margin.

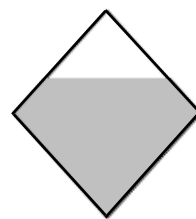
Please do not write in the margin.

15. The mailing cost of a postcard is 2 dollars and 40 cents. Betty mails 6 postcards. The total cost is _____ dollars and _____ cents.

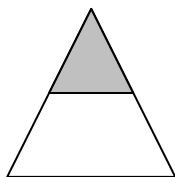
16. Which of the following has more than $\frac{1}{2}$ of the whole figure shaded?



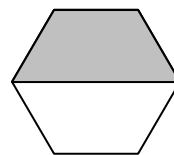
☐ A.



☐ B.

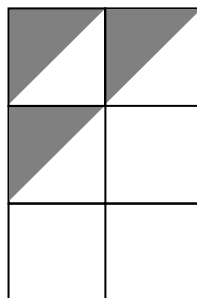


☐ C.



☐ D.

17. The following diagram is made up of squares of equal size. Part of the diagram is shaded. Use a pencil to shade the remaining part so that $\frac{5}{12}$ of the whole diagram is shaded.



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Please do not write in the margin.

18. (a) $\frac{4}{4}$ is * smaller than / equal to / larger than 1.

(*Circle the answer)

- (b) Fill in the boxes with suitable numbers.

$$\frac{1}{4} \text{ is smaller than } \frac{\boxed{}}{\boxed{}}.$$

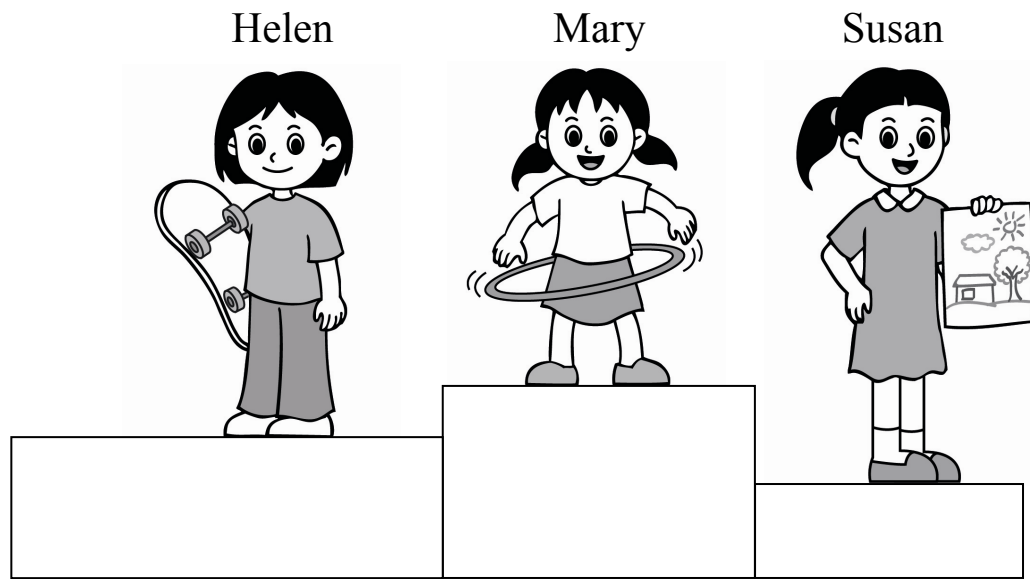
19. All coins in Mother's purse are shown below.



She has _____ 10-dollar coin(s) altogether.



Please do not write in the margin.

20. Three children stand on different stages.

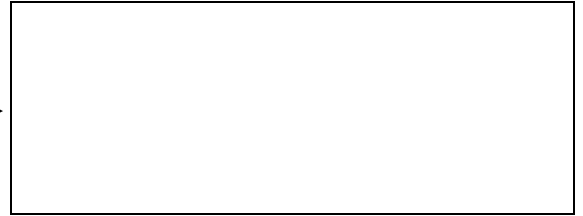


- (a) * Helen / Mary / Susan stands on the widest stage. (*Circle the answer)
- (b) Compare the heights of the three children. The tallest child is * Helen / Mary / Susan. (*Circle the answer)

21. Fill in the following blanks with suitable units.

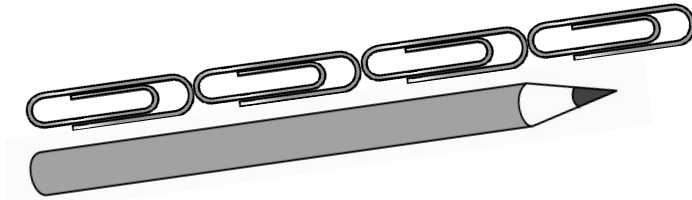
- (a) An iron  weighs about 1 _____.
- (b) A cup of ice-cream  weighs about 200 _____.

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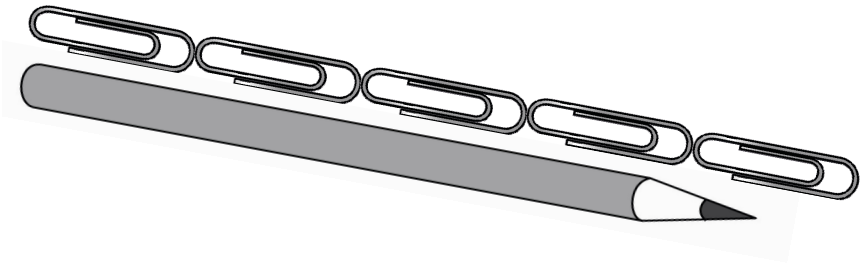


22.

Pencil A



Pencil B



Pencil C



Compare the lengths of the three pencils above.

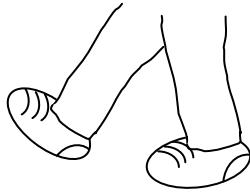
Pencil * A / B / C is the longest.

(*Circle the answer)

Please do not write in the margin.

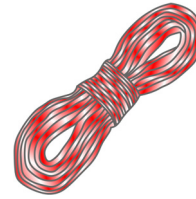
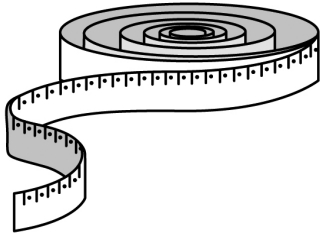
Please do not write in the margin.

23. Which of the following tools is most suitable for measuring the length of a pair of trousers?



☐ A. stride length

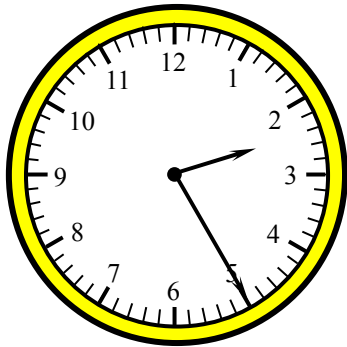
☐ B. trundle wheel



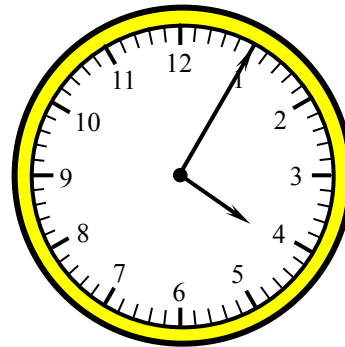
☐ C. tape measure

☐ D. string

24. The two clocks below show the starting time and finishing time of a birthday party.



Starting Time



Finishing Time

(a) The birthday party starts at _____ minute(s)

* past / to _____ in the afternoon.

(*Circle the answer)

(b) The birthday party lasts for _____ hour(s)

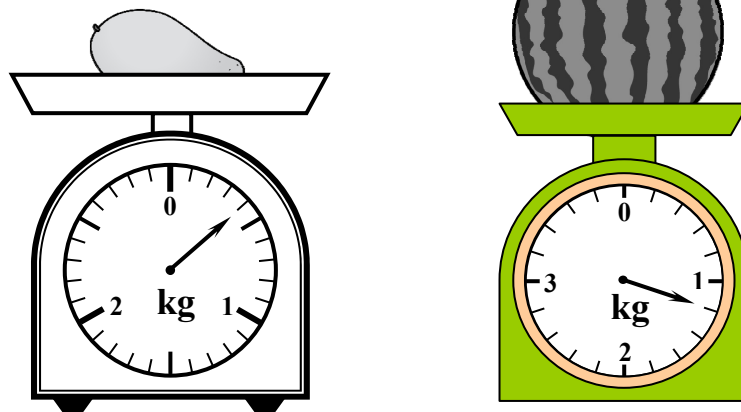
and _____ minute(s).

25. The following table shows the starting times of the 'Magic Show' in a theme park.

	Starting Time
First Show	13:15
Second Show	15:20
Third Show	17:40

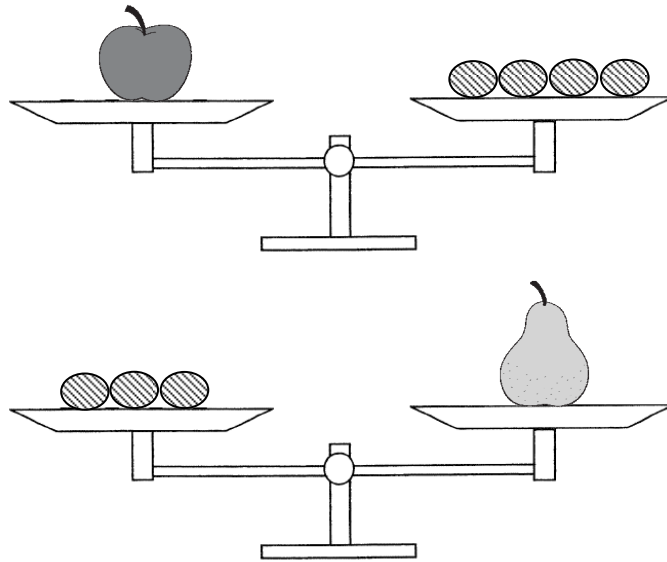
- (a) The second magic show starts at _____ minute(s) * past / to _____ in the * morning / afternoon. (*Circle the answer)
- (b) There are _____ hours(s) and _____ minute(s) between the starting times of the first show and the third show.

26.

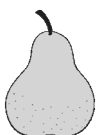

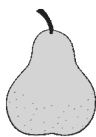
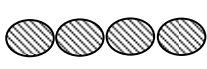

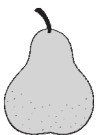




- (a) The weight of the mango is _____ g.
- (b) The mango is * lighter / heavier than the watermelon by _____ g. (*Circle the answer)

27.



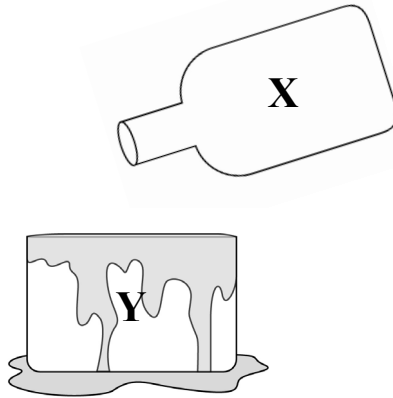
Study the diagrams above. Which of the following is correct?

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

Please do not write in the margin.

Please do not write in the margin.

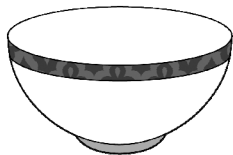
28. Fill up Container **X** with 1 litre of water, then pour all the water into Container **Y**.



Which of the following is correct?

- ☐ A. The capacity of **Y** is larger than the capacity of **X**.
- ☐ B. The capacity of **Y** is smaller than 1 litre.
- ☐ C. The capacity of **Y** is 1 litre.
- ☐ D. The capacity of **Y** is larger than 1 litre.

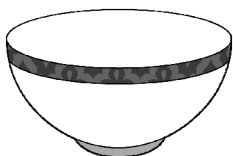
29.



of water can fill up



of water can fill up



of water can fill up _____

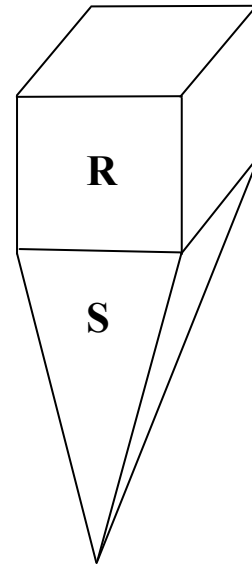


Please do not write in the margin.

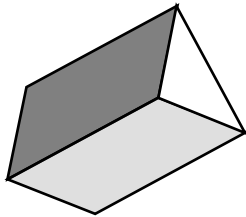
30. **R** and **S** are two 3-D shapes.

What is **R**?

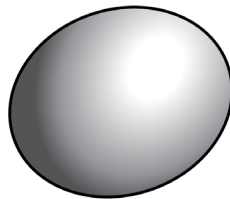
- ☐ A. Prism
- ☐ B. Pyramid
- ☐ C. Cylinder
- ☐ D. Cone



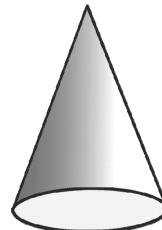
31. Study the 3-D shapes below. Write down all the letters for the answers.



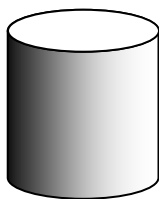
A



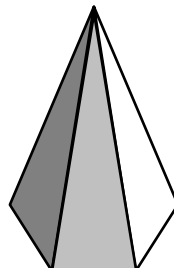
B



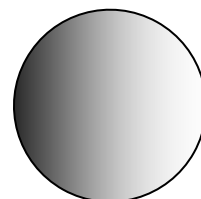
C



D



E



F

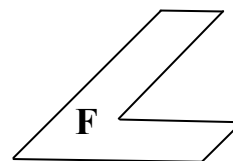
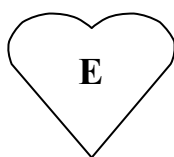
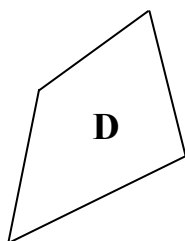
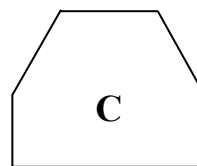
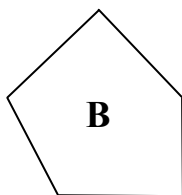
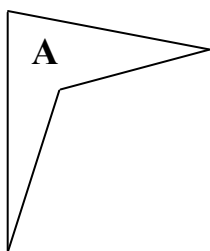
List:

(a) Sphere(s): _____

(b) Pyramid(s) / Cone(s): _____

Please do not write in the margin.

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

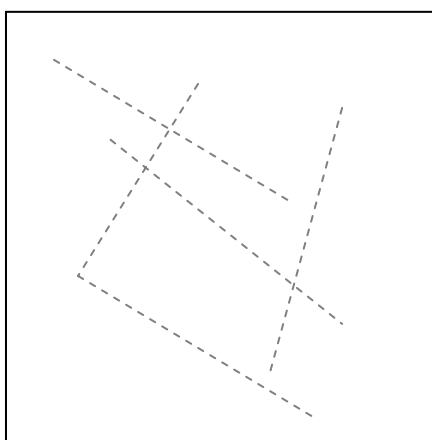


List:

(a) Quadrilateral(s): _____

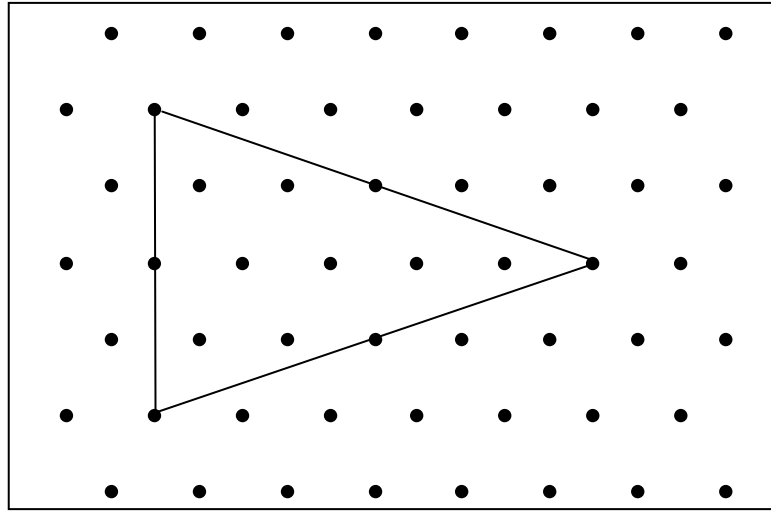
(b) Hexagon(s): _____

33. In the figure below, draw along the dotted lines to show a pair of parallel lines.



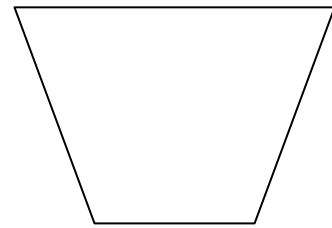
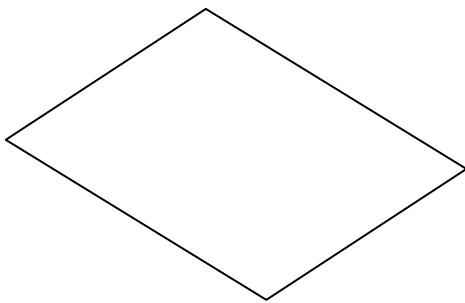
Please do not write in the margin.

34. Peter uses a rubber band to make a triangle on the pin-board.



This is * an equilateral / a right-angled / an isosceles triangle. (*Circle the answer)

35. Name the following quadrilaterals.

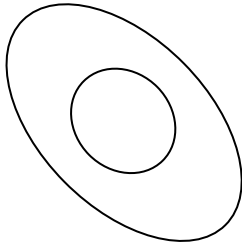


(a) Answer: _____ (b) Answer: _____

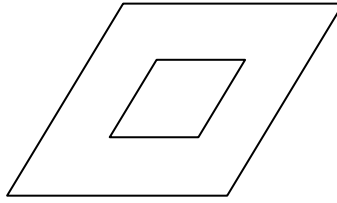
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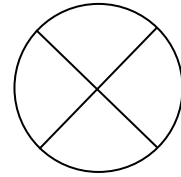
36. Study the 2-D shapes below. Write down all the letters for the answers.



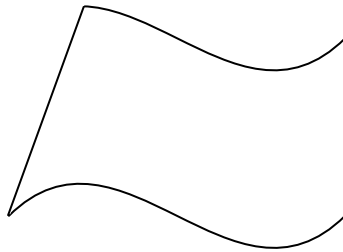
A



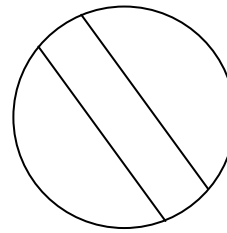
B



C



D



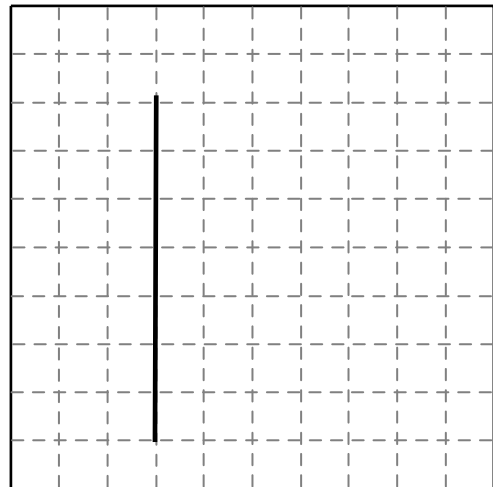
E

List:

(a) Figure(s) having parallel lines: _____

(b) Figure(s) having perpendicular lines: _____

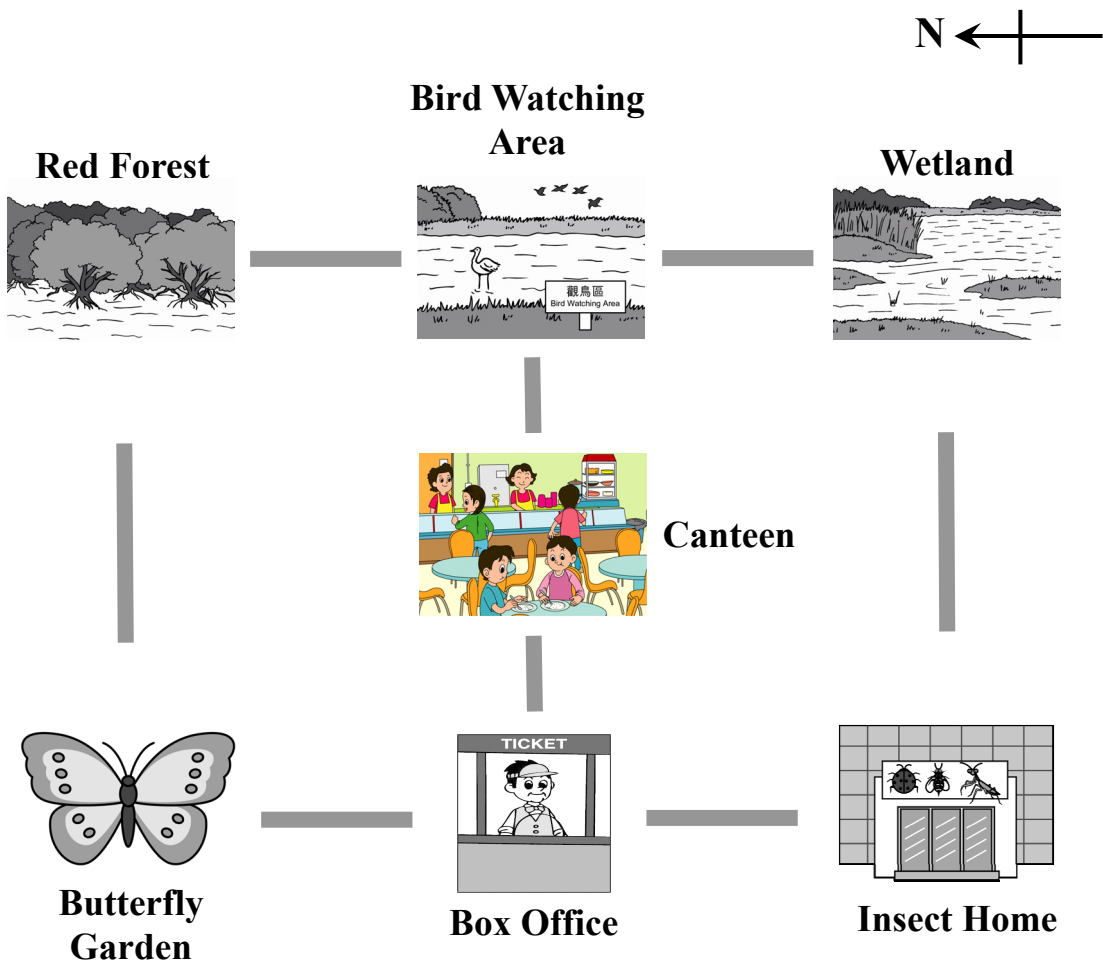
37. Draw a straight line perpendicular to the given line in the figure on the right.



Please do not write in the margin.

Please do not write in the margin.

38. The map of Environmental Protection Park is shown below.




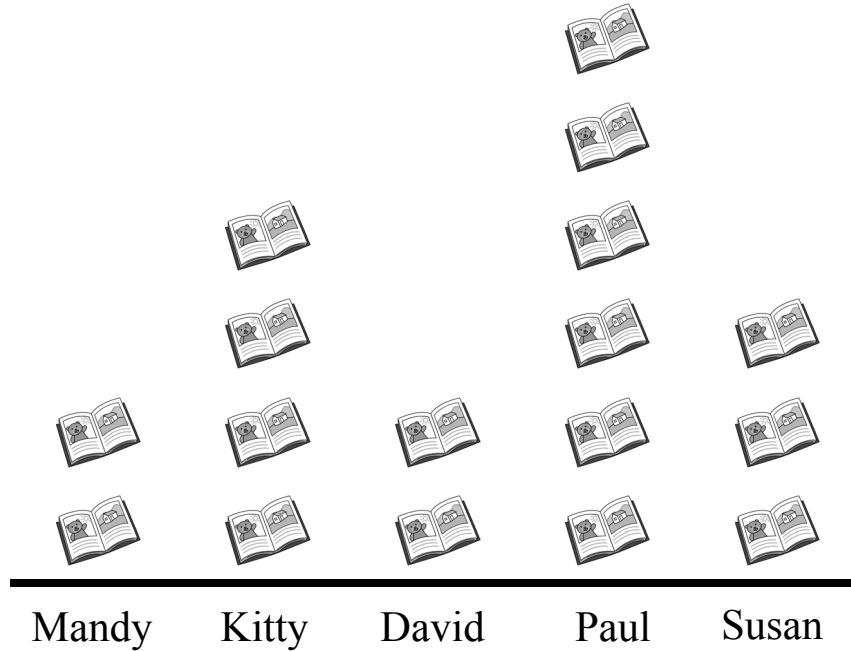
Please do not write in the margin.

- (a) Insect Home is to the _____ of Box Office.
(direction)
- (b) Peter starts from Canteen. He goes _____ to
(direction)
Bird Watching Area and then turns north to
reach _____ .

39. The following pictogram shows the number of books read by five pupils.

Number of Books Read by Five Pupils

Each  stands for 1 book



- (a) The number of books read by Paul was _____ * more / less than that of Kitty.
(*Circle the answer)
- (b) Both _____ and _____ read the smallest number of books.
- (c) The total number of books read by the five pupils was _____ .

Please do not write in the margin.

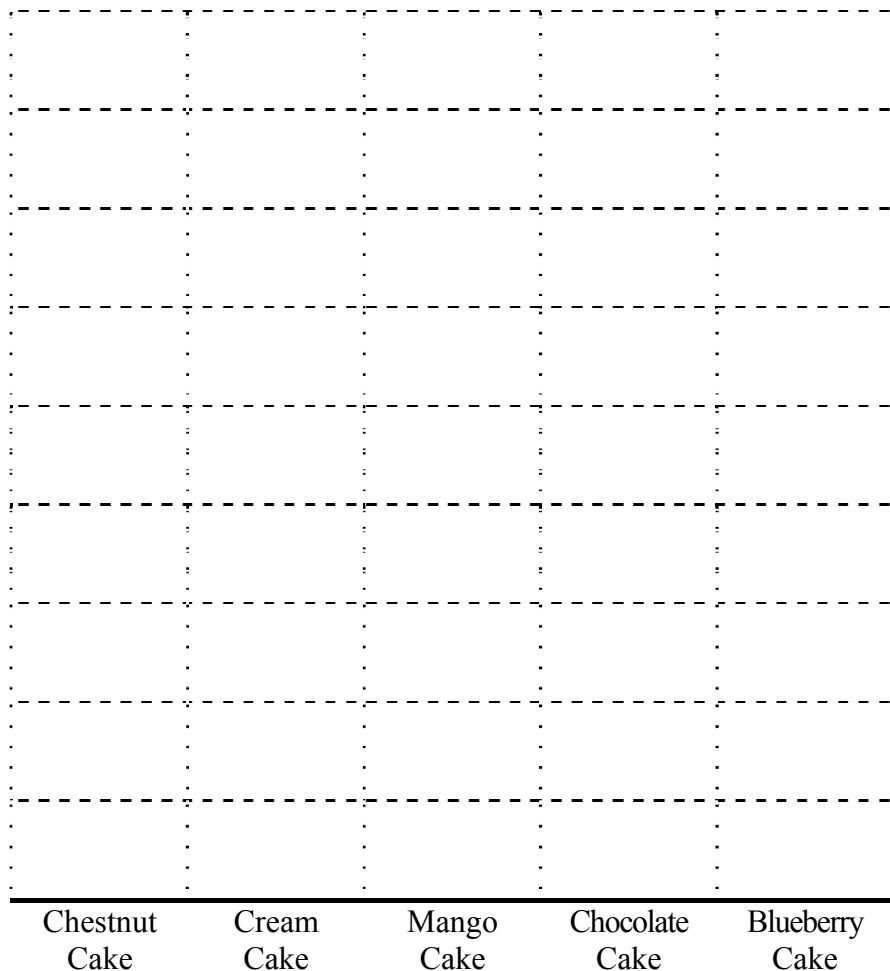
40. The following table shows the number of cakes sold by Yummy Bakery.

Type of Cakes	Chestnut	Cream	Mango	Chocolate	Blueberry
Number of Cakes	2	5	1	7	3

According to the data in the table above, complete the following pictogram and give it a title.

(Title)

Each ○ stands for 1 cake



— END OF PAPER —

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