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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 2013
Primary 3
Mathematics

Instructions:

1. Stick barcode labels on pages 1, 3, 5, 7 and 9 in the spaces provided.
2. There are 39 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

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Please do not write in the margin.

6. $14 \times 8 \times 5 =$ _____

7. $236 \times 3 =$ _____

8. $533 \div 9 =$ _____

9. $78 + 222 \times 2 =$

- ☐ A. 422
- ☐ B. 512
- ☐ C. 522
- ☐ D. 600

10. Mr Lee buys 7 boxes of chicken wings. Each box weighs 23 kg.

- (a) He has bought a total of _____ kg of chicken wings.
- (b) He packs the chicken wings in packets of 3 kg.
At most, he can pack _____ packets of chicken wings, and _____ kg are left.

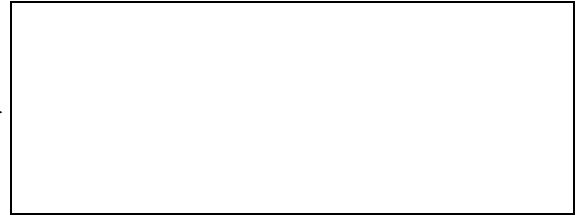
Please do not write in the margin.

11. A nature trail has parts A and B. The length of A is 737 m. The length of B is 185 m shorter than that of A. What is the total length of the nature trail?
(Show your working)

12. Each coach can carry 53 passengers. After 8 coaches depart with all their seats taken, there are still 27 passengers waiting at the station. There are _____ passengers waiting at the station originally.

13. Goodie Cake Shop sells 236 chocolate cakes, 434 mango cakes and 177 chestnut cakes. How many cakes does the shop sell altogether?
(Show your working)

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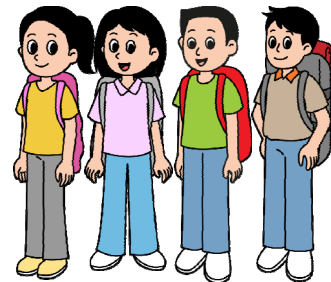
14. A florist can make 21 bouquets of flowers each day. How many bouquets can 6 florists make in **one week**?



- ☐ A. 126 bouquets
- ☐ B. 782 bouquets
- ☐ C. 842 bouquets
- ☐ D. 882 bouquets

15.

Special Train Fare
Only 42 dollars for 4 people

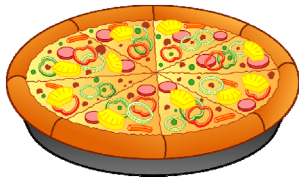


Brian and his three friends take the train. Each of them pays _____ dollars and _____ cents on average.

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Please do not write in the margin.

16.

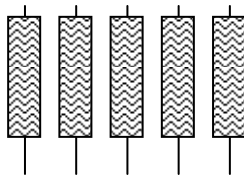


Original Price: 159 dollars
Special Price: 98 dollars 80 cents

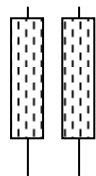
William buys a pizza at the special price.

He saves _____ dollars and _____ cents.

17. Jenny buys 12 sticks of roasted meat.



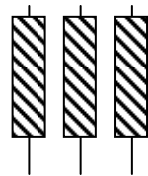
Beef



Pork



Chicken



Lamb

(a) $\frac{\boxed{}}{\boxed{}}$ of all the roasted meat is pork.

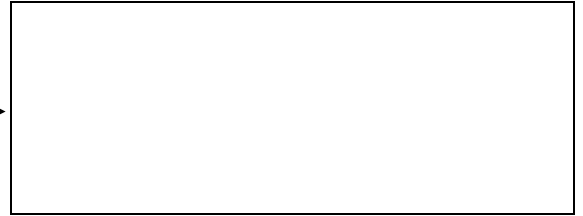
(b) Jenny eats $\frac{1}{4}$ of all the roasted meat.

That is _____ sticks of roasted meat.

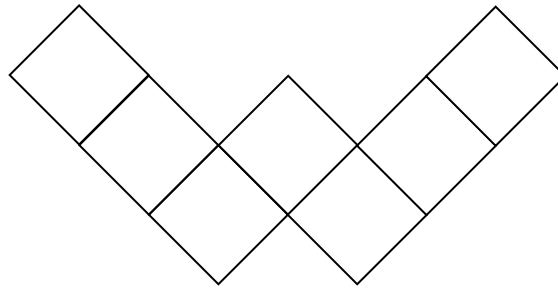
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Please do not write in the margin.

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18. The following diagram is made up of squares of equal size.
Use a pencil to shade $\frac{3}{7}$ of the whole diagram.



19. Fill in the boxes with suitable numbers.

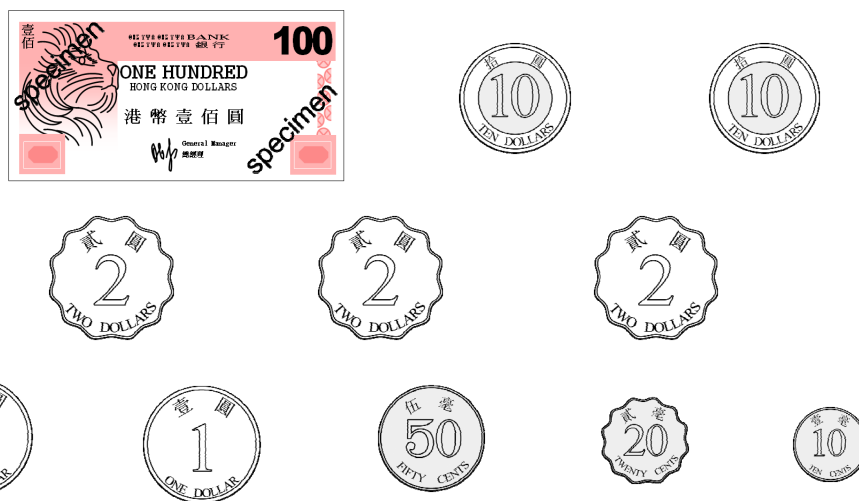
(a) 1 is equal to $\frac{\boxed{}}{\boxed{}}$.

(b) $\frac{5}{8}$ is smaller than $\frac{\boxed{}}{\boxed{}}$.

Please do not write in the margin.

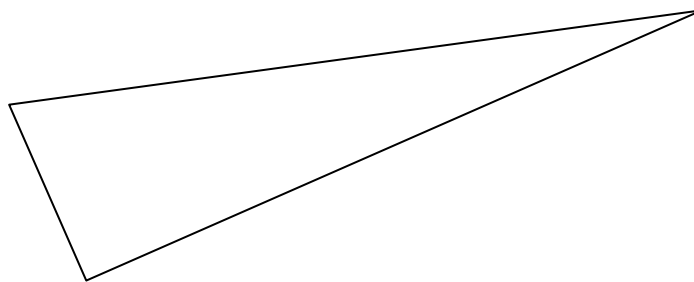
Please do not write in the margin.

20. Nancy pays the following amount for exercise books.



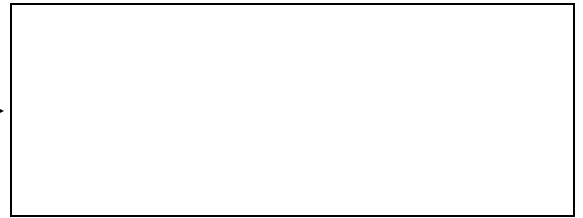
- (a) There are _____ 2-dollar coins in the above diagram.
- (b) Nancy pays _____ dollar(s) and _____ cent(s) for the exercise books.

21.

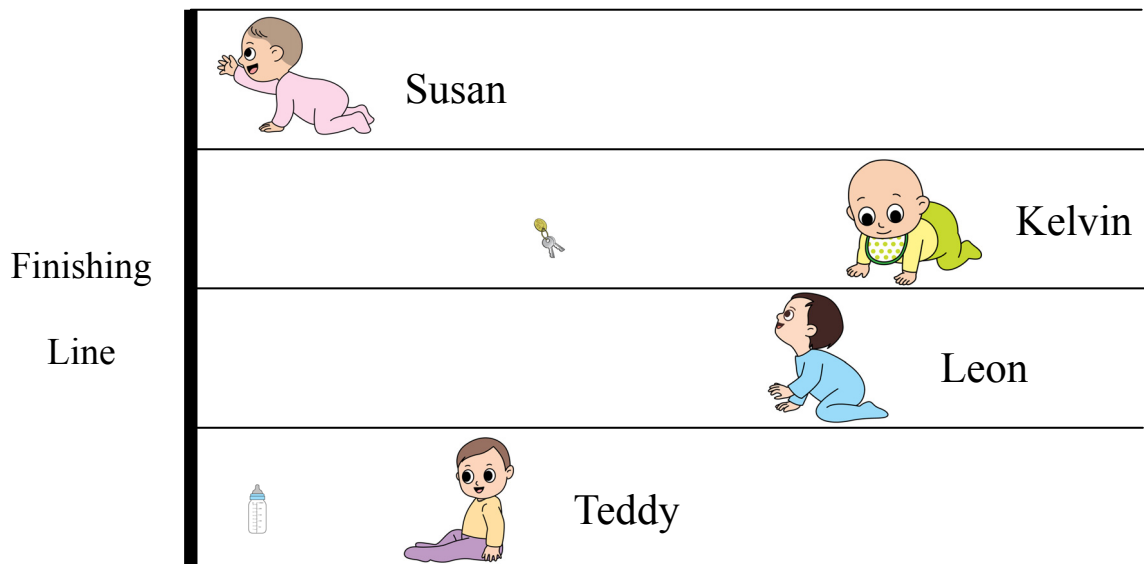


- (a) The figure above is
* a right-angled / an isosceles / an equilateral triangle. (*Circle the answer)
- (b) Use a ruler to measure the **shortest** side of the triangle. The length of this side is _____ mm.

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22. The babies are racing to the finishing line.

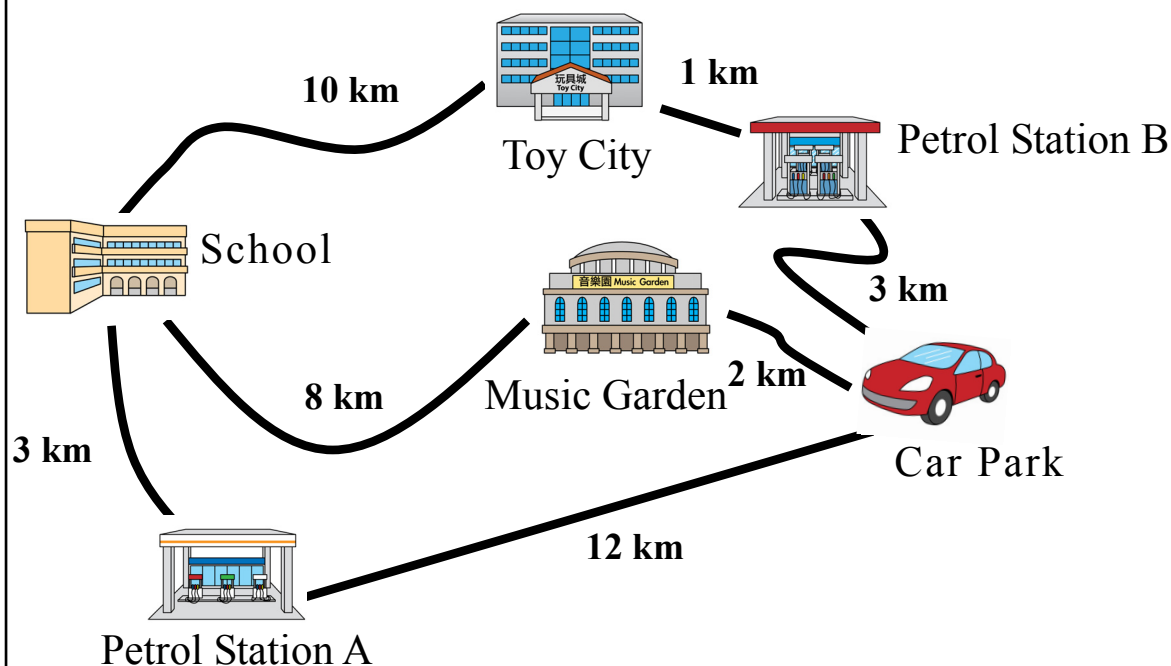


- (a) * Susan / Kelvin / Leon / Teddy
is nearest to the finishing line. (* Circle the answer)
- (b) * Susan / Kelvin / Teddy is nearest to Leon.
(* Circle the answer)

Please do not write in the margin.

Please do not write in the margin.

23. Study the diagram below and then answer the questions.

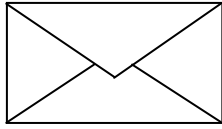
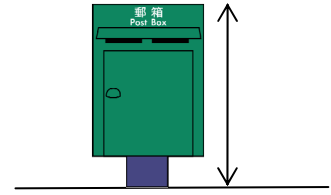


- (a) A coach takes the pupils from School to Music Garden. It then goes to Car Park. The whole journey of the coach is _____ km.
- (b) A private car sets off from Car Park. It stops for petrol at a petrol station before going to School. The shorter route to School is passing Petrol Station * A / B . (* Circle the answer)
- The whole journey of the private car is _____ km.

Please do not write in the margin.

Please do not write in the margin.

24. Which of the following is most suitable for measuring the height of a post box?



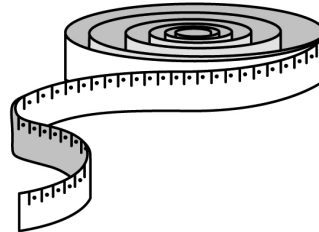
☐ A.



☐ B.



☐ C.



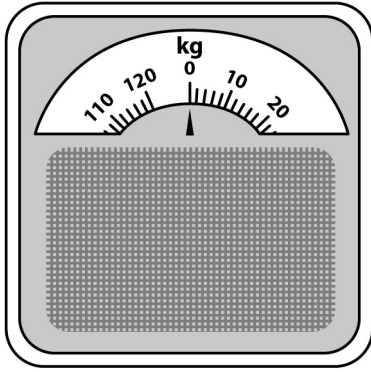
☐ D.

25. Fill in the following blanks with suitable units.

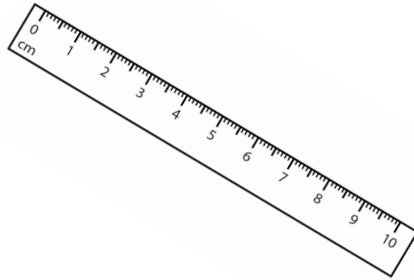
(a) A hamburger  weighs about 300 _____.

(b) The length of a comb  is about 20 _____.

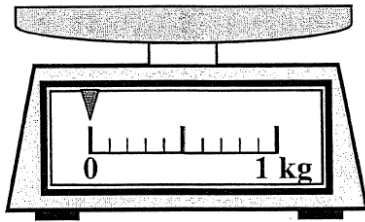
26. Which of the following tools is most suitable for measuring the weight of a mobile phone?



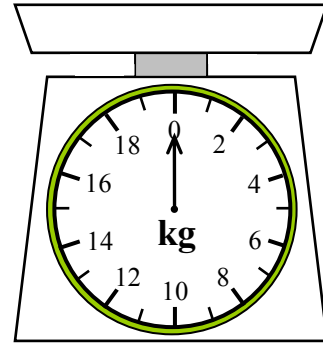
☐ A.



☐ B.

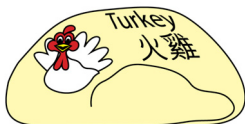
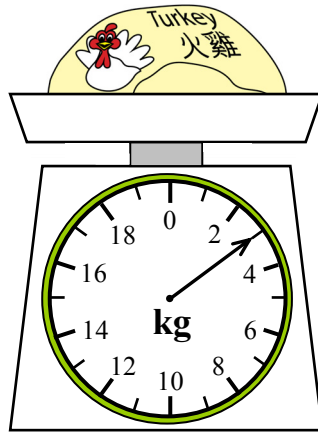


☐ C.



☐ D.

27.



weighs _____.

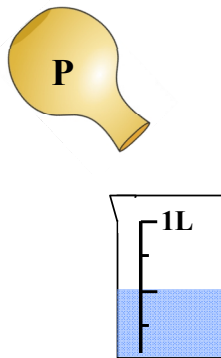
(Give your answer with a unit)

28. The following are the recorded times of the best four athletes in a race.

Rank	Athlete	Recorded Time
1	Carl	7 minutes and 17 seconds
2	Leon	7 minutes and 36 seconds
3	Kenny	8 minutes and 37 seconds
4	John	9 minutes and 0 second

- (a) The champion is faster than the first runner-up by _____ seconds.
- (b) The race started at two o'clock in the afternoon. In 24-hour time, John finished the race at _____ : _____ .

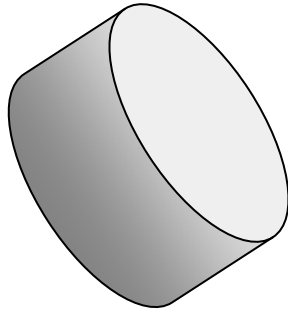
29. Fill up Container **P** with water and then pour all the water into an empty beaker.



The capacity of Container **P** is _____ mL.

30. Study the following 3-D shapes.

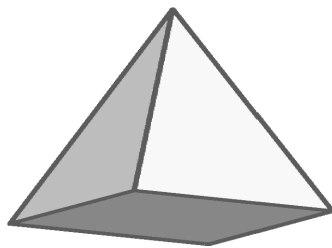
(a)



This is a * cylinder / sphere / cone .

(*Circle the answer)

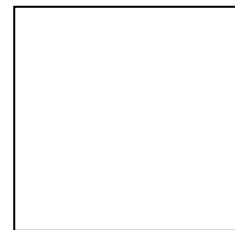
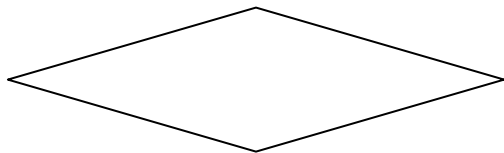
(b)



This is a * prism / cone / pyramid .

(*Circle the answer)

31. Name the following quadrilaterals.



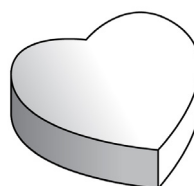
(a) Answer: _____

(b) Answer: _____

32. Follow the instructions. Write down all the letters for the answers.



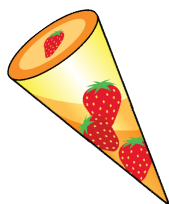
A



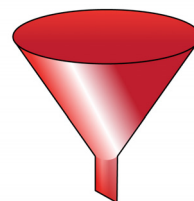
B



C



D



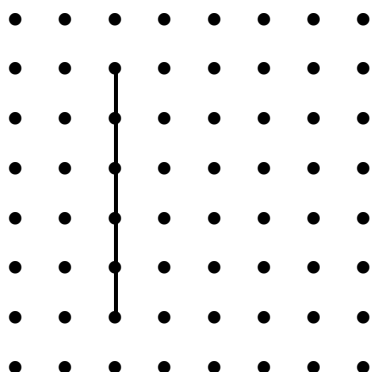
E

List:

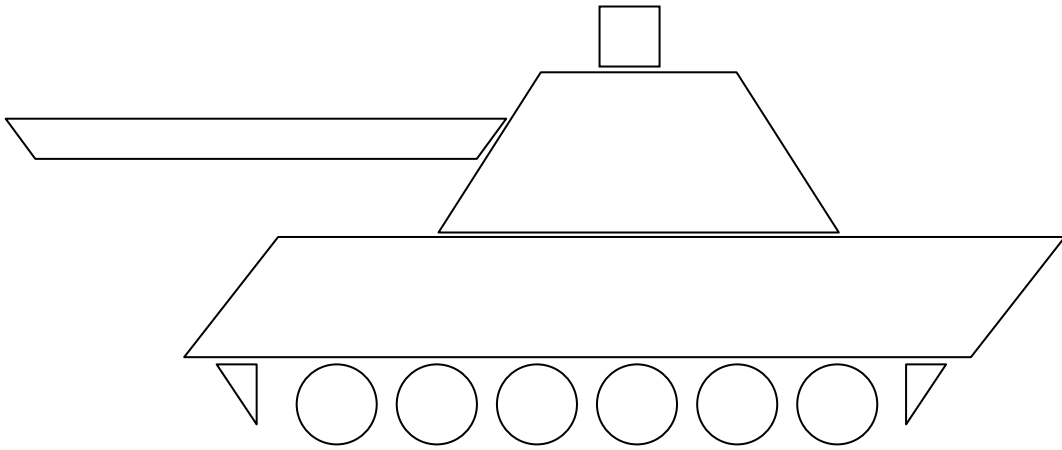
(a) Sphere(s): _____

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

33. Fred uses a rubber band to make a right-angled triangle on a pin-board. The figure below shows one of its sides. Draw the other sides of the right-angled triangle.

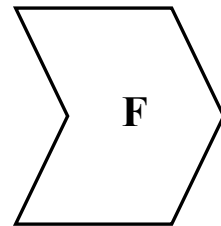
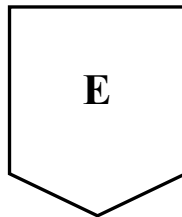
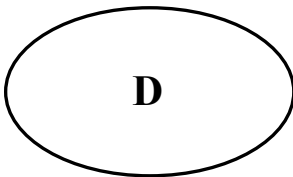
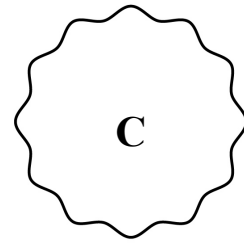
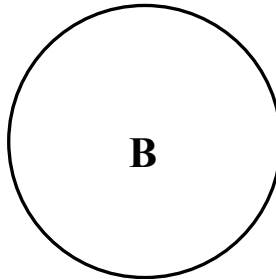
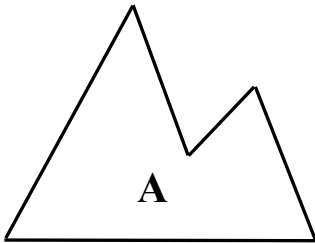


34. Paul uses different 2-D shapes to form a picture of a tank.



- (a) There is/are _____ triangle(s) in the diagram above.
- (b) There is/are _____ square(s) in the diagram above.

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

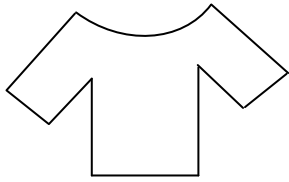
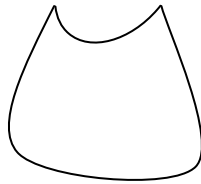
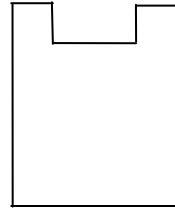
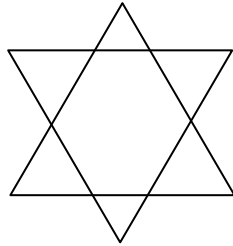
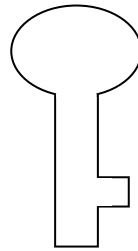


List:

(a) Circle(s): _____

(b) Pentagon(s): _____

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

**A****B****C****D****E**

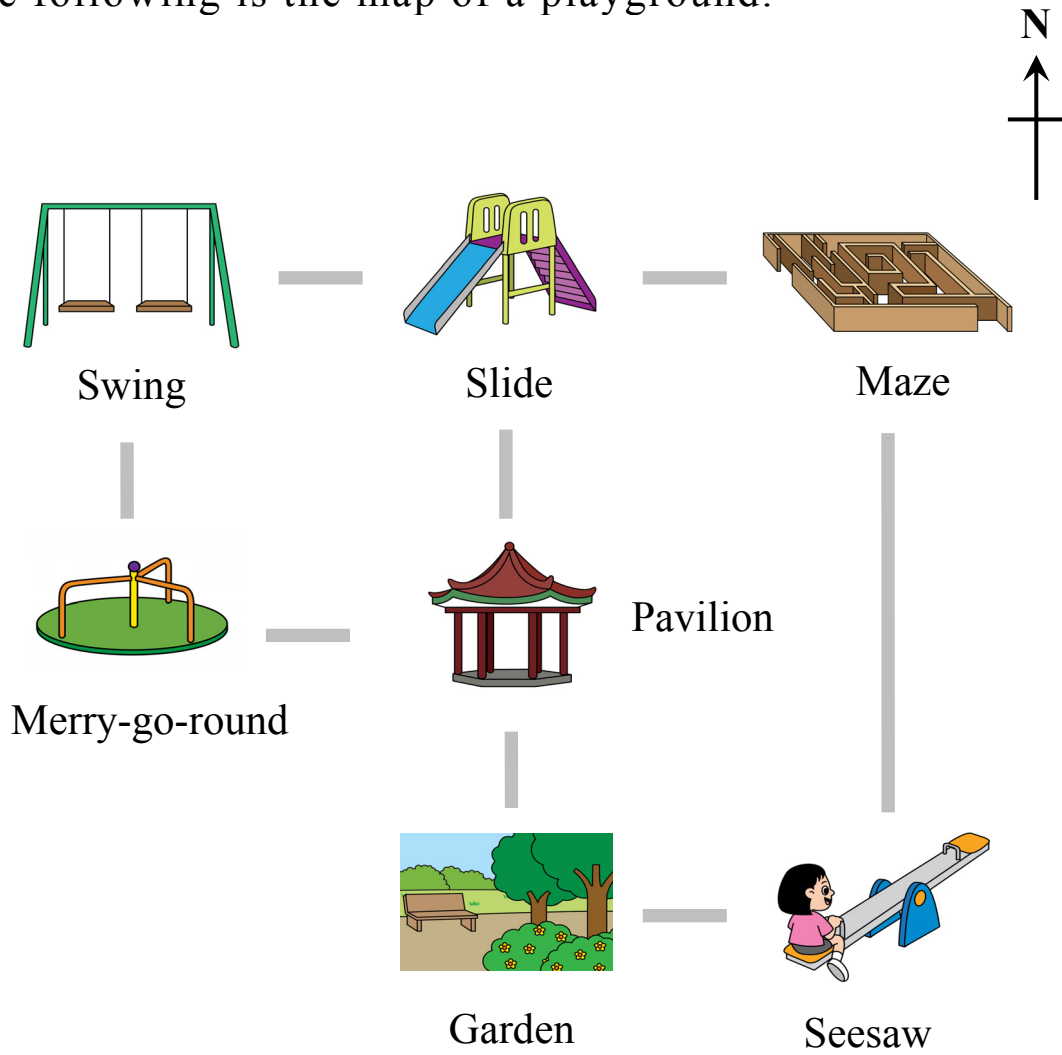
List:

(a) Figure(s) having straight lines only: _____

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

Please do not write in the margin.

37. The following is the map of a playground.



Please do not write in the margin.

(a) Pavilion is to the south of _____ .

(b) Carman goes _____ from Garden to play
(direction)
Seesaw.

Then she goes _____ to reach Maze.
(direction)

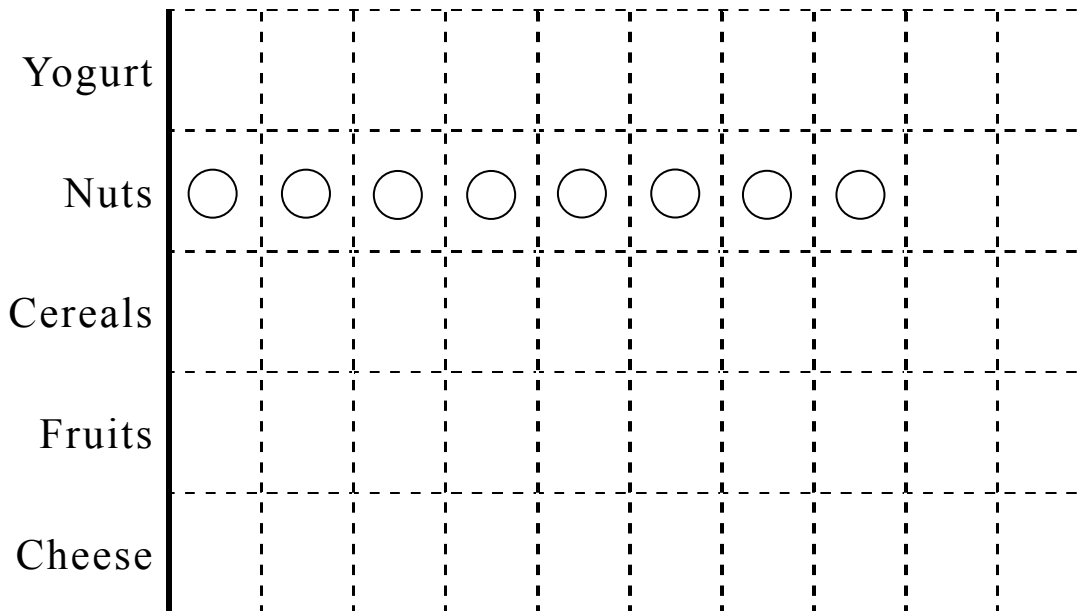
38. The school held a Healthy Eating Week. Mr Wong did a survey on the favourite healthy food of P.3D pupils. The results are as follows:

Healthy food	Yogurt	Nuts	Cereals	Fruits	Cheese
Number of pupils	3	8	2	2	6

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

(Title)

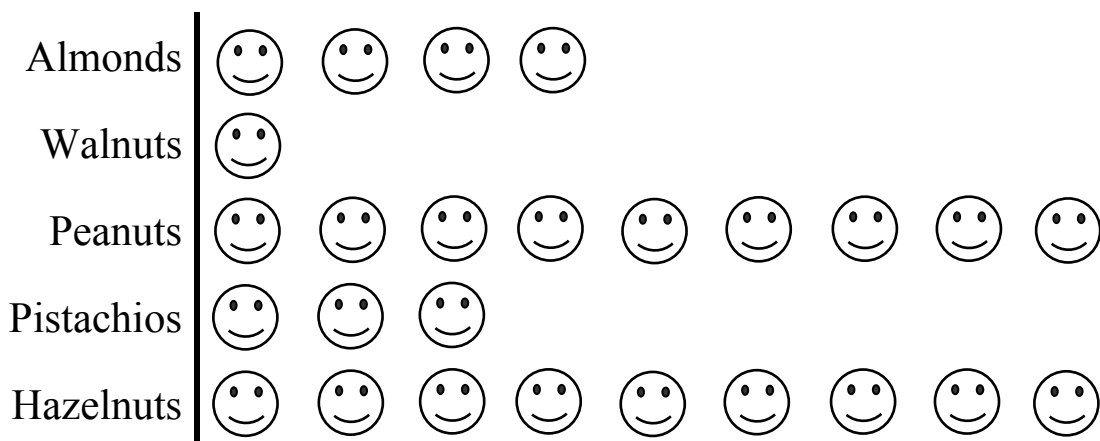
Each ○ stands for 1 pupil



39. Mr Wu did a survey on the favourite nuts of P.3A pupils. Each pupil chose one type only.

Favourite Nuts of P.3A Pupils

Each ☺ stands for 1 pupil



- (a) The total number of pupils who favoured walnuts and pistachios was the same as that of pupils who favoured _____ .
- (b) The number of pupils who favoured hazelnuts was _____ * more / less than that of pupils who favoured pistachios. (*Circle the answer)
- (c) Mr Wu wants to buy some nuts for the pupils. According to the pictogram, which type(s) of nuts should he buy more of? Why?

Answer: Mr Wu should buy more _____
because _____
_____.

— END OF PAPER —