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Please stick the barcode label in the box

**Education Bureau**  
**Territory-wide System Assessment 2011**  
**Primary 3**  
**Mathematics**

**Instructions:**

1. Stick barcode labels on pages 1, 3, 5, 7 and 9 in the spaces provided.
2. There are 38 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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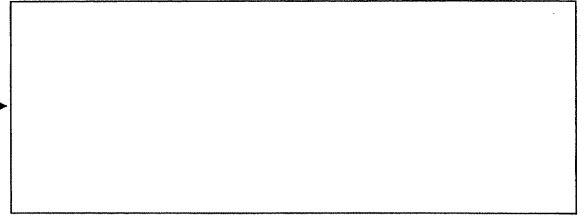
Class  
No.  
班號

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

1. In the number 15 432, the digit '4' is in the \_\_\_\_\_ place, and the digit '1' stands for \_\_\_\_\_.
2. Write 'thirty-six thousand and seventy-five' in numerals.  
Answer: \_\_\_\_\_
3.  $113 + 522 + 248 =$  \_\_\_\_\_
4.  $345 - 27 - 145 =$  \_\_\_\_\_
5.  $7 \times 251 =$  \_\_\_\_\_
6.  $141 \times 9 =$   
  - ☐ A. 369
  - ☐ B. 969
  - ☐ C. 1 269
  - ☐ D. 9 369
7.  $603 \div 9 =$  \_\_\_\_\_
8.  $317 - 17 \times 8 =$  \_\_\_\_\_

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9. First of all, there are 558 people on the cable car platform. Each cable car can carry 8 people. 320 of them get on cable cars and \_\_\_\_\_ people are still waiting. At least \_\_\_\_\_ more cable cars are needed to carry all the people left.

10.

### Mooncake Sale



Each Box \$167  
Buy 4 Boxes  
Save \$108

Mr Wong buys 4 boxes of mooncakes. How much does he pay?

(Show your working)

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Please do not write in the margin.

11.



Tuna  
Rice Ball  
\$45 each



Red  
Rice Ball  
\$28 each

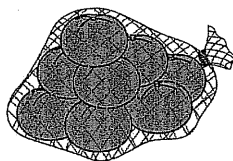


Sweetcorn  
Rice Ball  
\$36 each

Mrs Lee buys 6 red rice balls and 1 tuna rice ball.

She pays \_\_\_\_\_ dollars altogether.

12.



The shopkeeper packs 8 oranges into one bag. There are 534 oranges. How many bags can be packed at most?

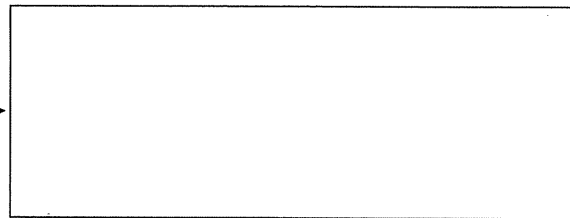
How many oranges are left?

(Show your working)

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Please do not write in the margin.

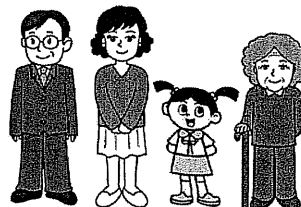
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13.

### Lamma Island One Day Tour

Adult	\$125
Child	\$80

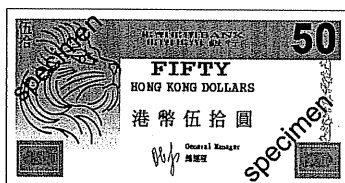


Mr Ho and his family join the Lamma Island one day tour.  
The total cost for 3 adults and 1 child is \$ \_\_\_\_\_.

14. Mother has to pay 27 dollars and 90 cents for 3 kg of cabbage.

(a) The cost of 1 kg of cabbage is  
\_\_\_\_\_ dollar(s) and \_\_\_\_\_ cent(s).

(b) She pays



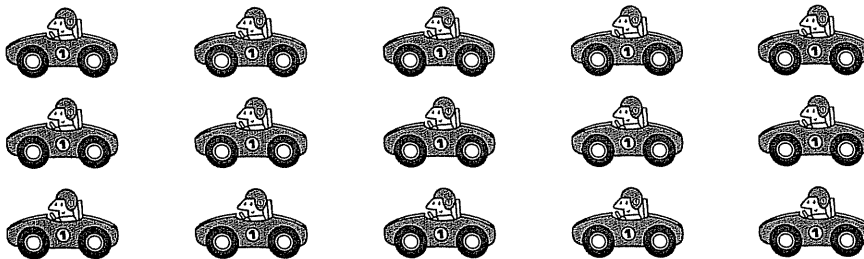
. The change is

\_\_\_\_\_ dollar(s) and \_\_\_\_\_ cent(s).

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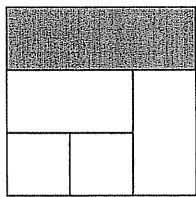
15. Kevin and John have a total of 15 toy cars. Kevin has  $\frac{2}{5}$  of all the toy cars.



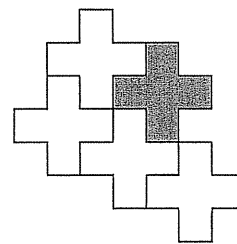
(a) Kevin has \_\_\_\_\_ toy cars.

(b) John has  $\frac{\boxed{\phantom{00}}}{\boxed{\phantom{00}}}$  of all the toy cars.

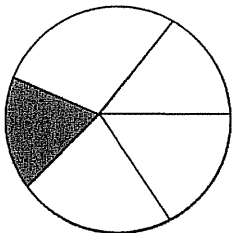
16. Which of the following figures has  $\frac{1}{5}$  of the whole shaded?



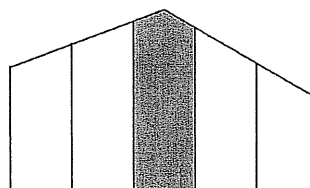
☐ A.



☐ B.

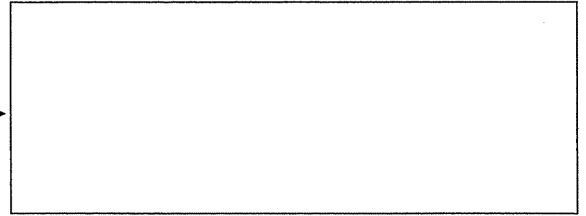


☐ C.



☐ D.

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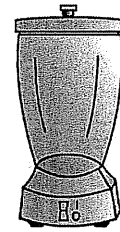
17. Eva eats  $\frac{2}{12}$  of the whole bag of sweets. Helen eats  $\frac{3}{12}$  of the whole bag and Danny eats  $\frac{3}{6}$  of the whole bag.



\* Eva / Helen / Danny eats the least. (\*Circle the answer)

18. Mother buys a mixer in a shop.

- (a) The price of the mixer is \_\_\_\_\_ dollars and \_\_\_\_\_ cents.



\$168.80

- (b) Mother buys a mixer and pays with

two



. How much change should she

get? Circle the change.



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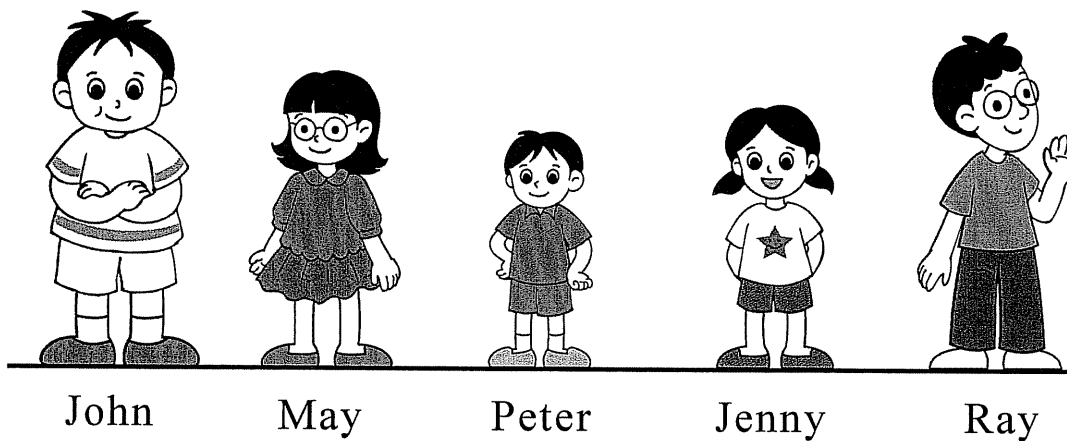
Please do not write in the margin.

19. (a) Fill in the box with a suitable number.

$$\frac{5}{9} \text{ is smaller than } \frac{5}{\boxed{\phantom{00}}} .$$

- (b)  $\frac{6}{6}$  is \* smaller than / equal to / larger than 6.  
(\*Circle the answer)

20.



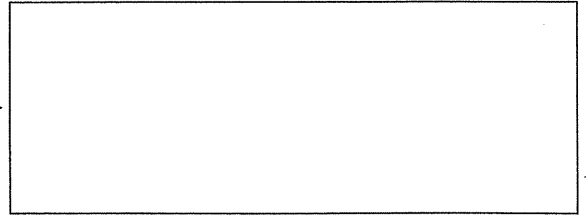
In the above figure, \* John / May / Peter / Jenny / Ray  
is shorter than May but taller than Peter.  
(\*Circle the answer)

Please do not write in the margin.

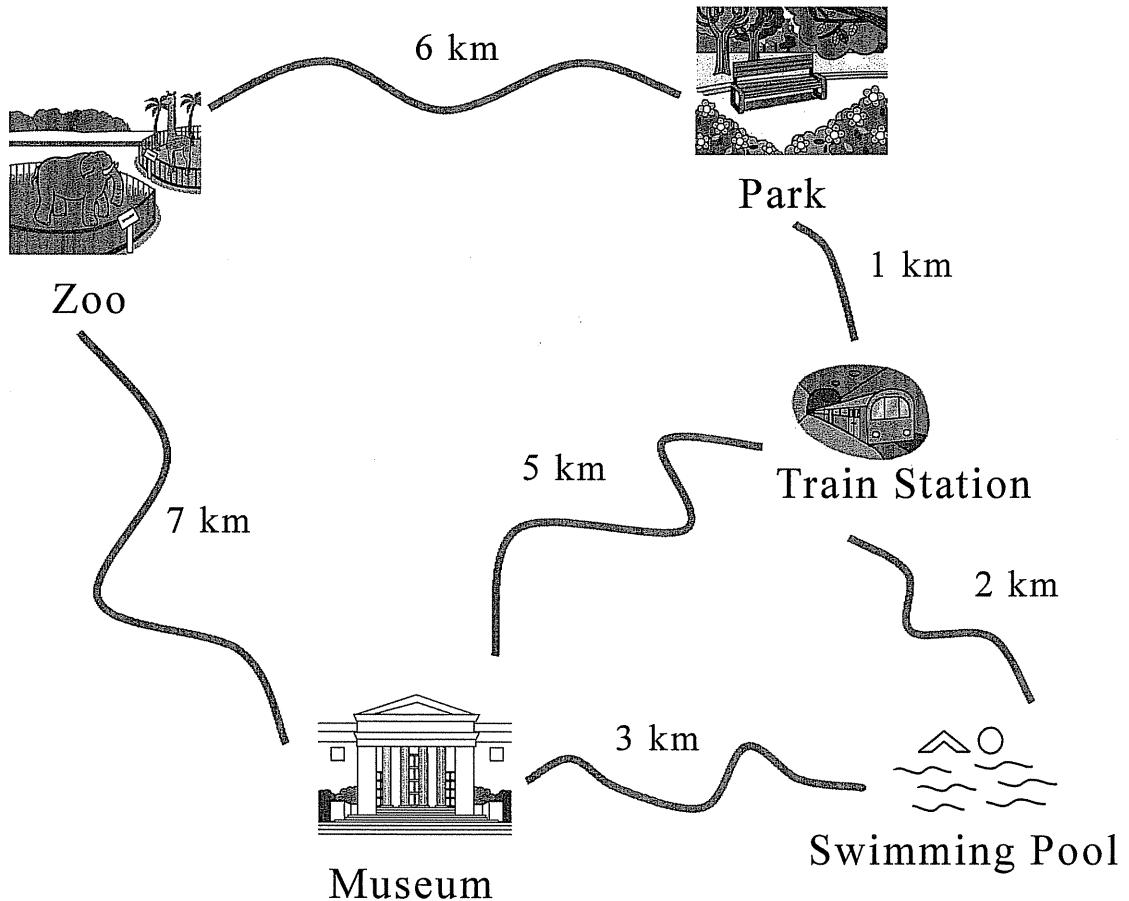
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21. Study the figure below and answer the questions.

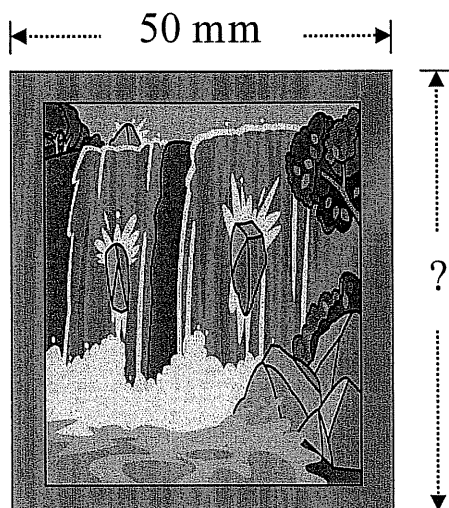


- (a) The place with the shortest distance from the Train Station is the \_\_\_\_\_.
- (b) The shortest route from the Swimming Pool to the Zoo is \_\_\_\_\_ km long.

Please do not write in the margin.

Please do not write in the margin.

22. The width of the photo frame below is 50 mm. Use a ruler to measure its length.

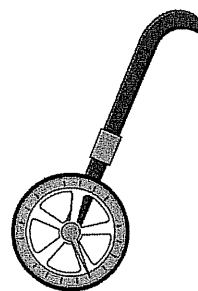


The length of the photo frame is \_\_\_\_\_ mm. Its length differs from its width by \_\_\_\_\_ mm.

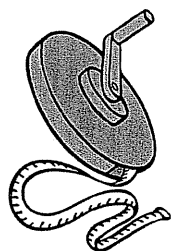
23. Which of the following measuring tools is best suited for measuring the length of a classroom blackboard?



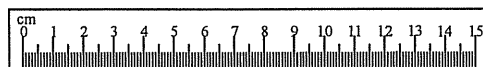
☐ A. Rope




☐ B. Trundle wheel

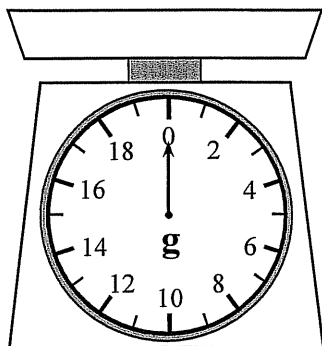


☐ C. Tape measure

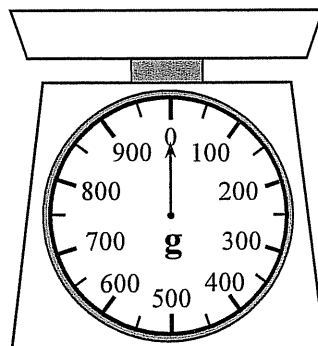


☐ D. Ruler

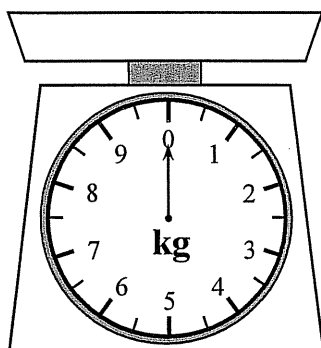
- 24 Which scale is the most suitable to weigh a pencil  ?



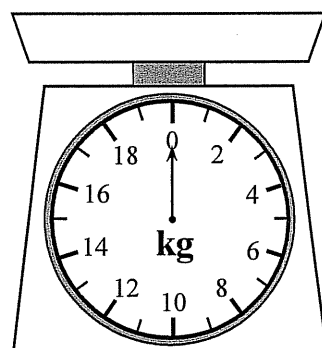
☐ A.



☐ B.



☐ C.



☐ D.

25. Write down a suitable measuring unit for each of the following.

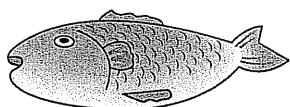
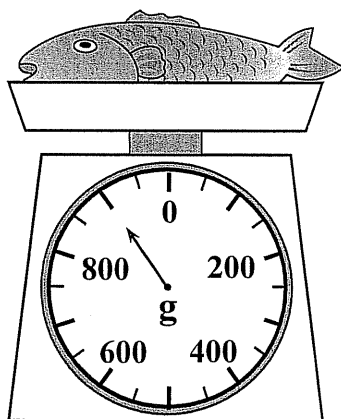
- (a) A 3-year-old child is about 1 \_\_\_\_\_ tall.
- (b) The thickness of a sandwich is about 30 \_\_\_\_\_.
- (c) A digital camera weighs about 180 \_\_\_\_\_.
- (d) A football weighs about 430 \_\_\_\_\_.

26. The timetable for a school in the afternoon is shown below.

Time	Schedule
1:00 – 1:35	English Language
1:35 – 2:10	English Language
2:10 – 2:45	Mathematics
2:45 – 3:00	Recess
3:00 – 4:00	Extra-curricular Activities
4:00	End of School Day

- (a) Using '24-hour time', the starting time of the mathematics lesson is \_\_\_\_\_ : \_\_\_\_\_.
- (b) The time now is 2:48 p.m.  
It is \_\_\_\_\_ hour(s) and \_\_\_\_\_ minute(s) before the school ends.

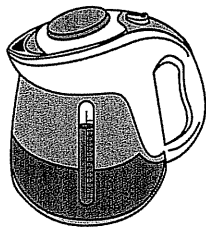
27.



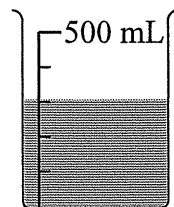
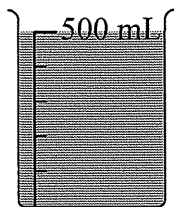
weighs \_\_\_\_\_.

(Give your answer with a unit)

28.

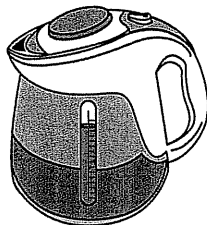


just holds



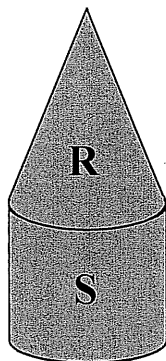
of water.

The capacity of



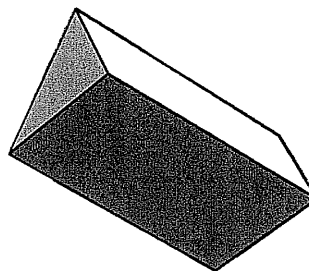
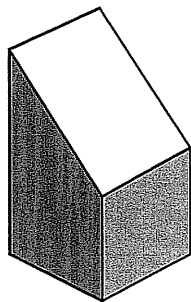
is \_\_\_\_\_ mL.

29. The diagram below shows two 3-D shapes **R** and **S**.  
What is **R** ?



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

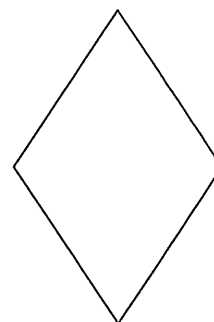
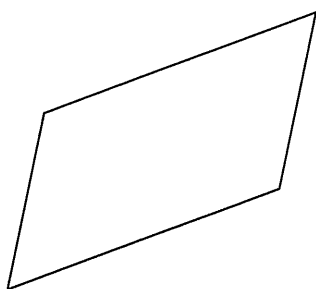
30.



Both 3-D shapes above are

- ☐ A. prisms.
- ☐ B. cylinders.
- ☐ C. pyramids.
- ☐ D. cones.

31. Name the following quadrilaterals.



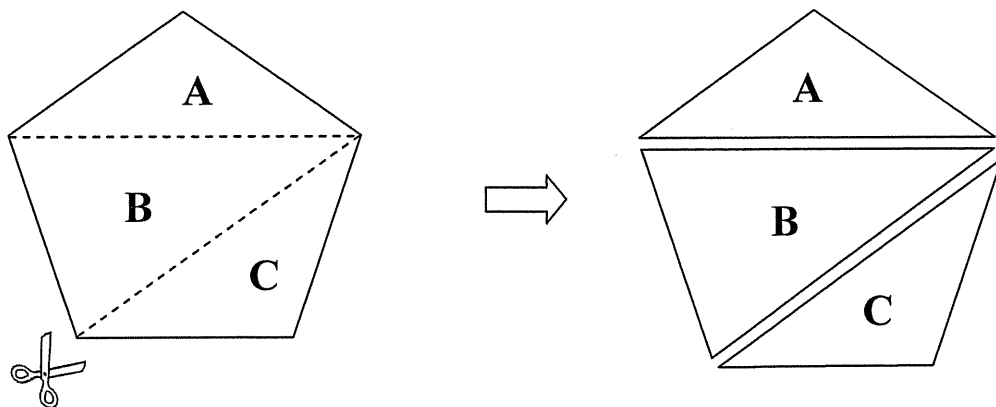
(a) Answer: \_\_\_\_\_

(b) Answer: \_\_\_\_\_

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Please do not write in the margin.

32.

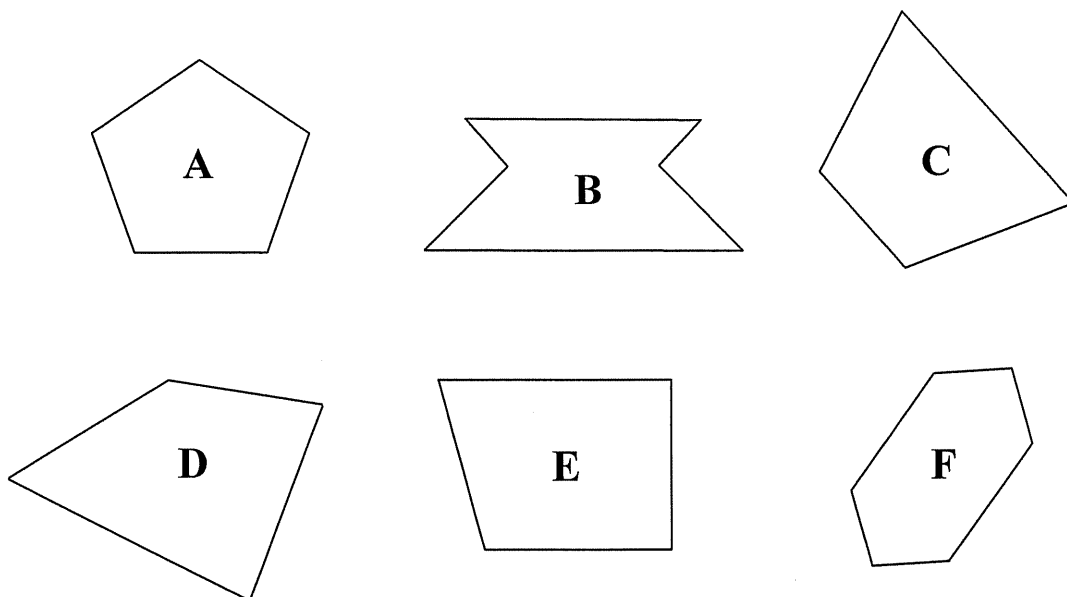


By cutting along the dotted lines in the pentagon above, you can get three

\* right-angled / isosceles / equilateral triangles.

(\*Circle the answer)

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



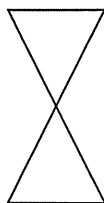
List:

(a) Hexagon(s): \_\_\_\_\_

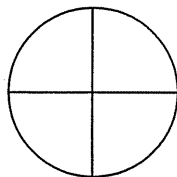
(b) Trapezium(s): \_\_\_\_\_

34. Study the 2-D figures below.

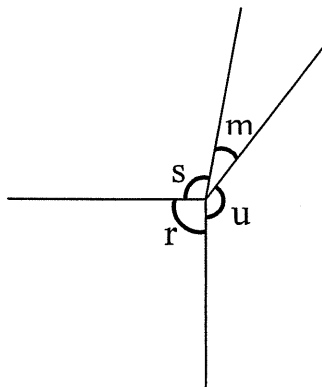
- (a) The figure below has \* straight line(s) / curve(s) / parallel lines / perpendicular lines.  
(\*Circle all the answers)



- (b) The figure below has \* straight line(s) / curve(s) / parallel lines / perpendicular lines.  
(\*Circle all the answers)



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



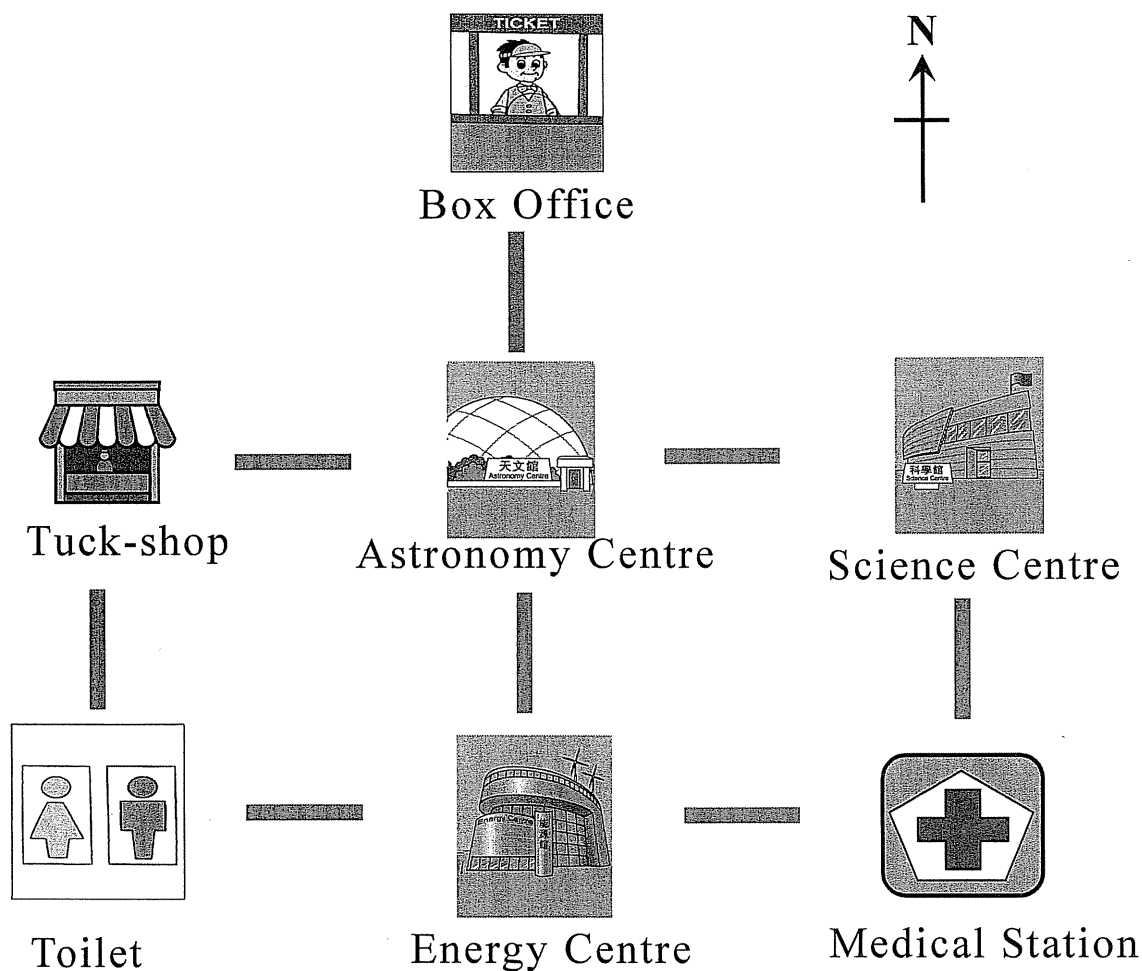
List:

(a) Right angle(s): \_\_\_\_\_

(b) Angle(s) smaller than a right angle: \_\_\_\_\_



36. Study the map of the Exhibition Centre below.



(a) Medical Station is to the \_\_\_\_\_ of Toilet.  
(direction)

(b) Astronomy Centre is to the west of \_\_\_\_\_.

(c) David goes to Tuck-shop from Box Office. He first goes \_\_\_\_\_, passes Astronomy Centre and  
(direction)  
then goes \_\_\_\_\_ to reach Tuck-shop.  
(direction)

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Please do not write in the margin.

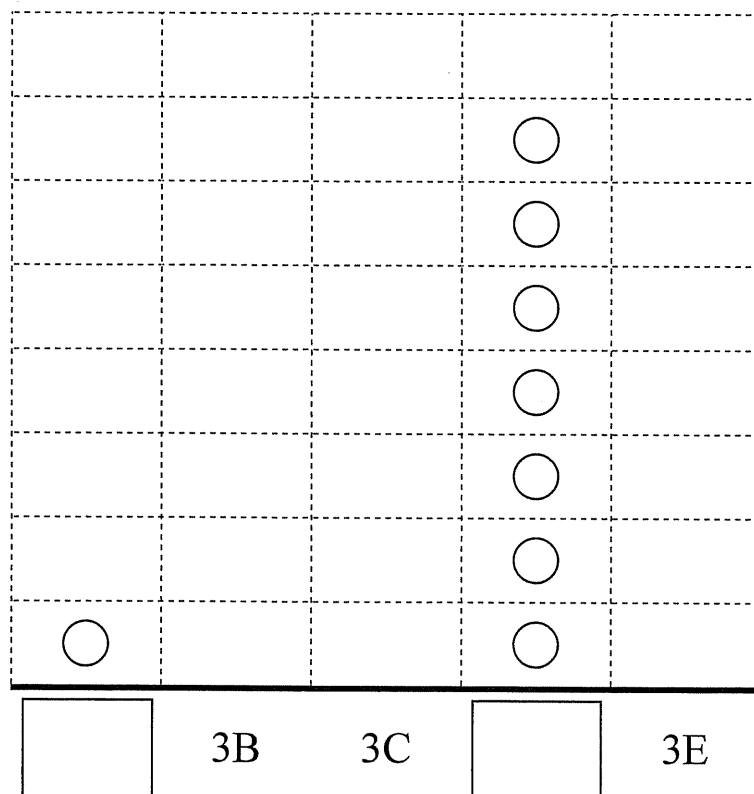
37. The following table shows the number of pupils awarded with prizes in the P.3 writing competition.

Class	3A	3B	3C	3D	3E
Number of pupils	1	3	4	7	5

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

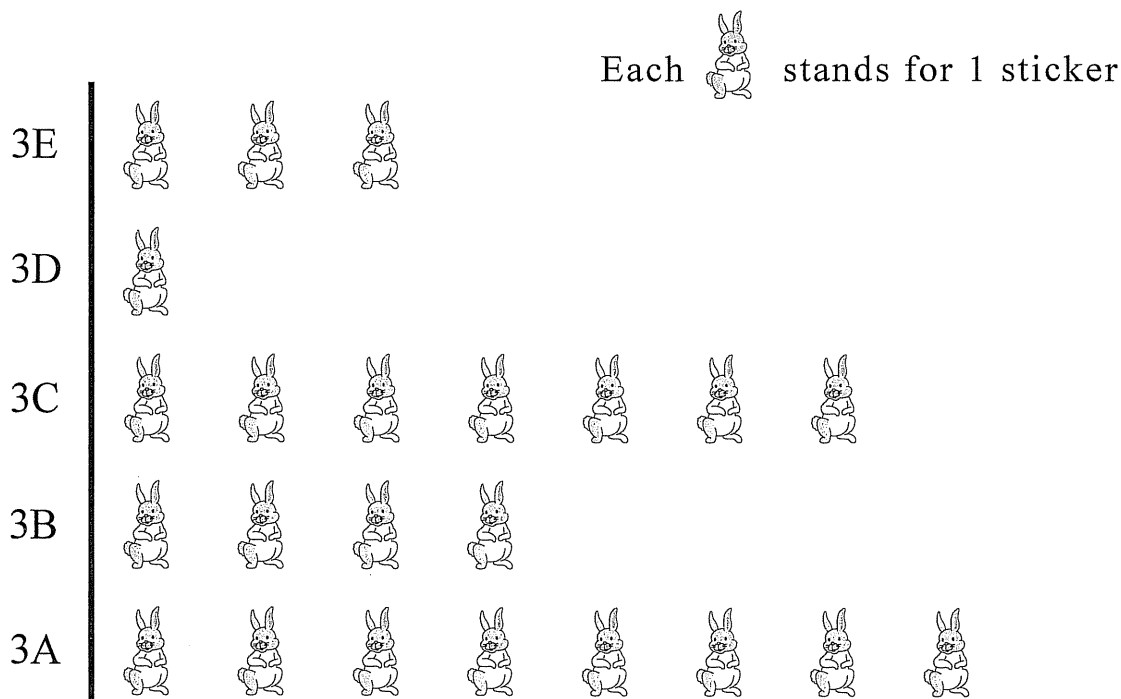
(Title)

Each ○ stands for 1 pupil



38. A classroom tidiness competition is held at school. The tidiest class gets a sticker each day. The results of the competition are shown below.

### Primary Three Classroom Tidiness Competition



- (a) Class 3B receives \_\_\_\_\_ stickers, that is 3 less than those received by Class \_\_\_\_\_.
- (b) Classes with 5 or more stickers will receive a present. According to the data shown in the pictogram above, can Class 3E get a present? Why?

Answer: Class 3E \* can / cannot (\*circle the answer)  
get a present, because \_\_\_\_\_

\_\_\_\_\_.

— END OF PAPER —

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2011-TSA-MATH-3ME3-20