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Please stick the barcode label in the box

Education Bureau

Territory-wide System Assessment 2009

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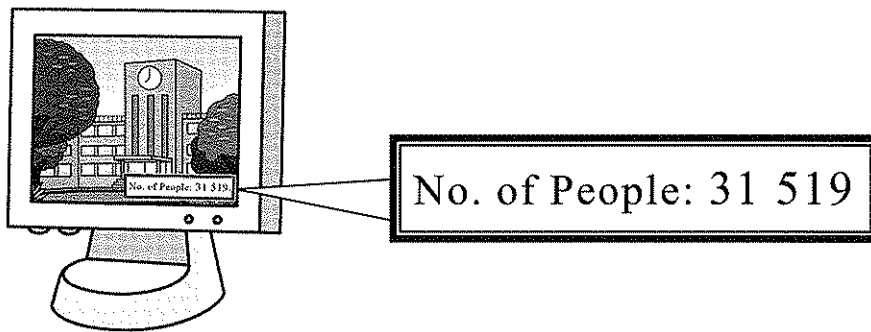
↑
Write one **capital letter** in this box
此格只許填寫一個大楷英文字母

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1. In the number 28 106, what does '1' stand for?

- A. 1000
- B. 100
- C. 10
- D. 1

2.



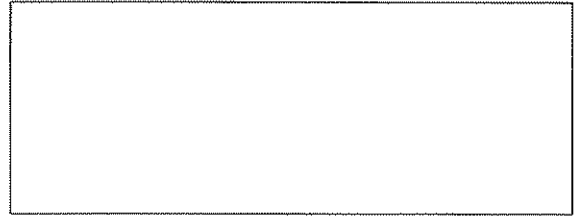
The figure above shows the number of people who visited the school website. Which of the following numbers is nearest to the number shown above?

- A. 31 419
- B. 31 510
- C. 31 300
- D. 31 500

3. $626 + 81 + 245 =$ _____

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4. $900 - (445 - 332) =$

- A. 123
- B. 233
- C. 787
- D. 797

5. $303 \times 3 = 3 \times$ _____

6. $4 \times 7 \times 25 =$ _____

7. $961 \div 4 =$ _____

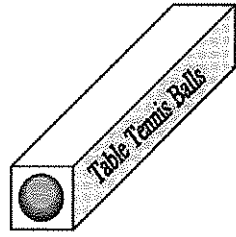
8. $6 \times 139 - 746 =$ _____

9. $716 - (218 + 442) =$ _____

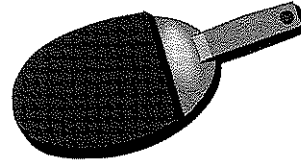
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10.



\$ 12.60



\$ 75.90

- (a) 3 table tennis bats cost _____ dollars and _____ cents.
- (b) One tube contains 6 balls. The average cost of a ball is _____ dollars and _____ cents.

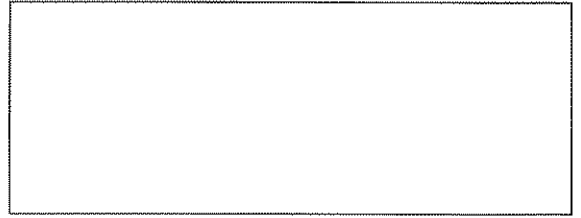
11. Miss Cheng buys 14 gifts for pupils with good performance. They are toys, stationery and snacks.



- (a) $\frac{2}{7}$ of the gifts are snacks. The number of snacks is _____.
- (b) $\frac{1}{2}$ of the gifts are stationery. Miss Cheng wants to give stationery to 9 pupils. She needs to buy _____ more stationery.

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12. Which of the following is correct?

A. $\frac{3}{3} = 3$

B. $\frac{3}{3} = 1$

C. $\frac{1}{3} = 3$

D. $\frac{1}{3} = 1$

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

$$\frac{21}{22}, \quad \frac{12}{22}, \quad \frac{19}{22}$$

Answer:

,

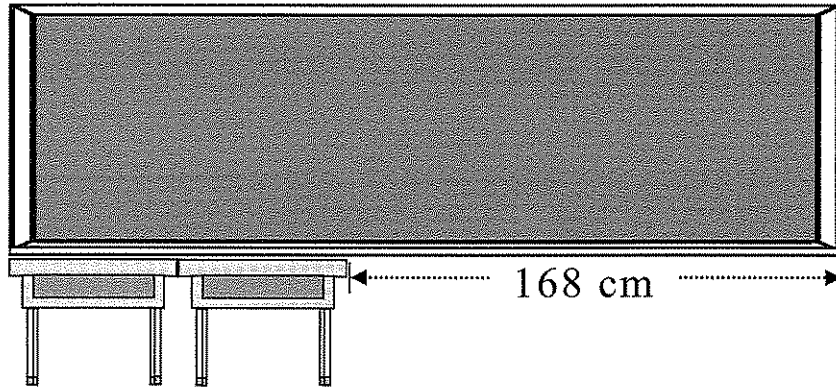
,

(Largest)

(Smallest)

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14.

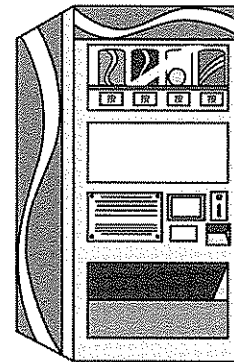


The length of a desk is 56 cm. What is the length of the blackboard?

- A. 56 cm
- B. 112 cm
- C. 224 cm
- D. 280 cm

15. There are 45 cans of soft drink in the vending machine. The owner puts in 5 dozen more cans. How many cans are there in the vending machine now?

- A. 9 cans
- B. 50 cans
- C. 105 cans
- D. 225 cans



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16. The price of a tricycle is 688 dollars. A set of wooden blocks is 389 dollars cheaper than a tricycle. John buys a set of wooden blocks and pays with a 500-dollar note. How much change should he get?

Answer: He should get _____ dollars change.

17. Mother pours 4 cartons of chicken soup into a pot. Each carton contains 411 mL of chicken soup.

There is a total of _____ mL of chicken soup in the pot.

18. In the basketball team, 9 new members need to buy vest tops. Each of them pays \$170.00 and the school will pay the rest of the money. How much does the school have to pay in total?

(Show your working)

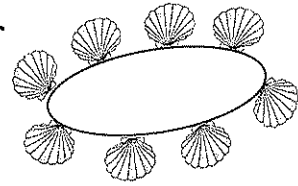


\$283.00

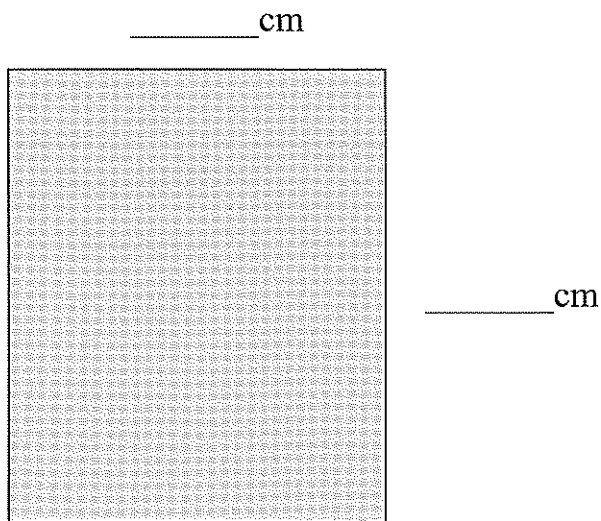
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19. In Art lesson, pupils use 206 shells to make bracelets. Each bracelet is made of 8 shells. How many bracelets can be made at most?
(Show your working)



20. What are the width and length of the rectangle shown below?



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Please do not write in the margin.

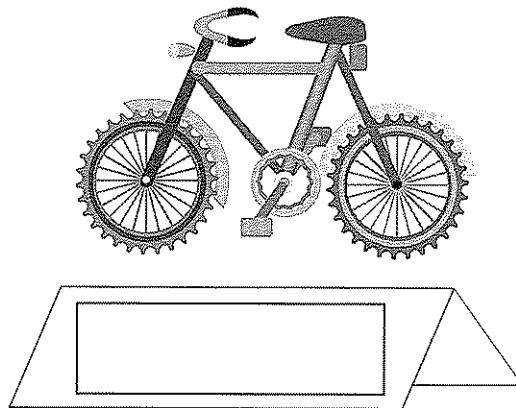
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21. Write down the suitable units of length:

- (a) A desk is about 60 _____ tall.
- (b) The distance between Hong Kong and Beijing is about 2000 _____.
- (c) Beacon Hill is 458 _____ high.
- (d) The width of an Octopus Card is 54 _____.

22. The price of a bike is three hundred and seventy-nine dollars. Write the price in numerals on the price tag.



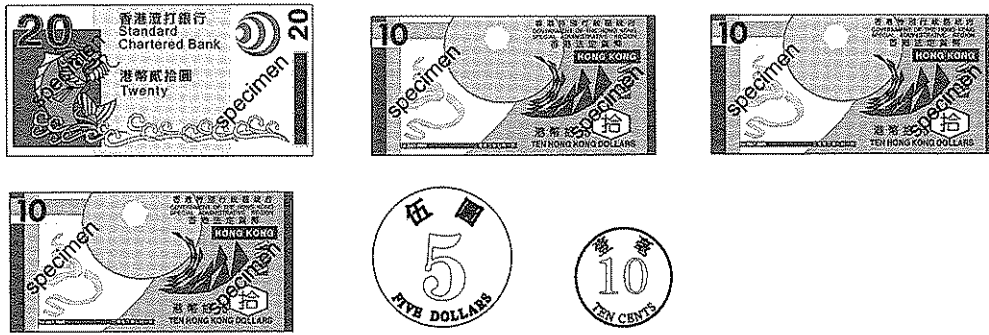
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23. Write down the amounts shown:

(a)



_____ dollars _____ cents

(b)



_____ dollars _____ cents

(c)



_____ dollars _____ cents

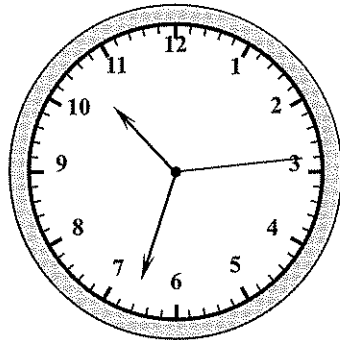
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24. Use the September calendar to answer the following questions.

| September | | | | | | |
|-----------|-----|-----|-----|-----|-----|-----|
| Sun | Mon | Tue | Wed | Thu | Fri | Sat |
| | | 1 | 2 | 3 | 4 | 5 |
| 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| 20 | 21 | 22 | 23 | 24 | 25 | 26 |
| 27 | 28 | 29 | 30 | | | |

- (a) Teachers' Day is on the 10th of September. That day is _____.
(day of the week)
- (b) We have Sports Training Lesson every Tuesday and Friday starting on the 11th of September. The total number of lessons in September is _____.

25.



The time shown on the clock is

_____ : _____ : _____
(hour) (minute) (second)

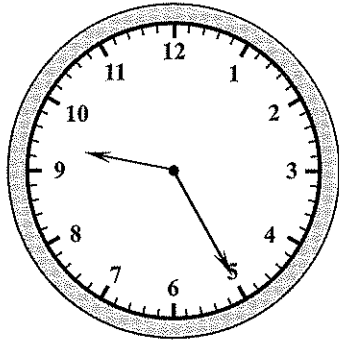
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26. It takes 25 minutes to bake a cake.

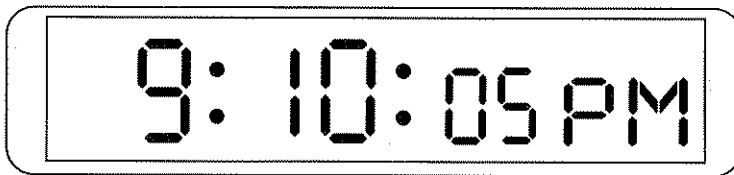
At



, mother begins baking the cake.

The cake will be ready at _____ minutes to _____.

27. The lift-off time of Shenzhou-7 Rocket is shown below.



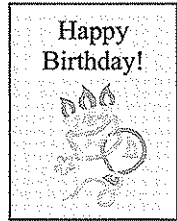
The spaceship was separated from the rocket 9 minutes and 43 seconds after lift-off.

The time was _____ minutes and _____ seconds past _____.

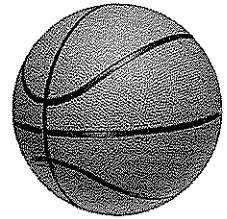


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28. Write down the suitable units of weight.



(a) A birthday card weighs about 20 _____.

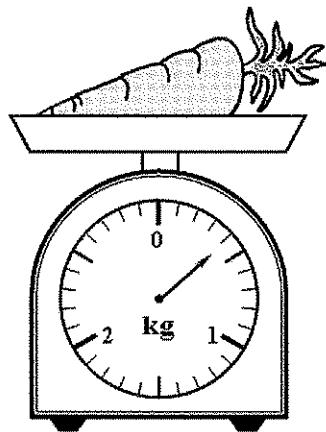


(b) A basketball weighs about 600 _____.



(c) A roast pig weighs about 15 _____.

29.

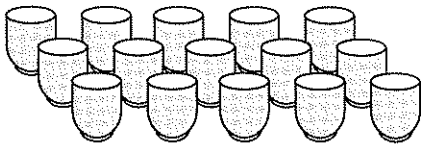


The weight of the carrot is _____ .
(Give your answer with a unit.)

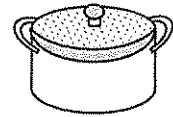
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30.



of water can fill up



;



of water can fill up



;

So,



of water can fill up _____



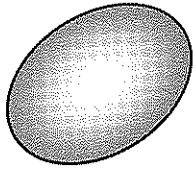
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31. Bill stacks up all 30 Mathematics textbooks of his 3A classmates. Which 3-D shape does he make?

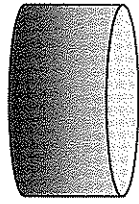
- A. Prism
- B. Cylinder
- C. Pyramid
- D. Sphere

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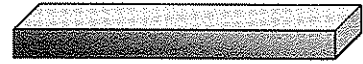
32. Follow the instructions. Write down the letter(s) for the answers.



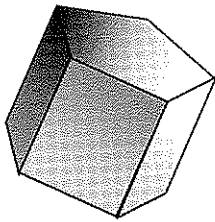
A



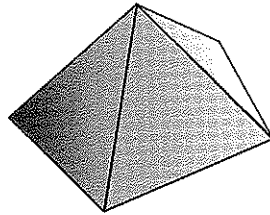
B



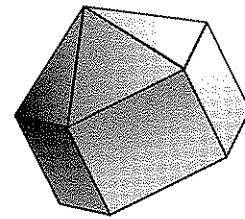
C



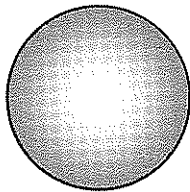
D



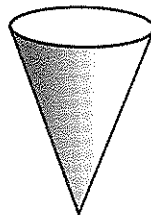
E



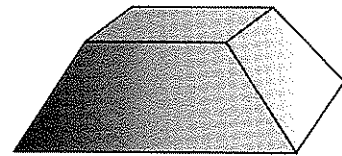
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G



H



I

List:

(a) Sphere(s): _____

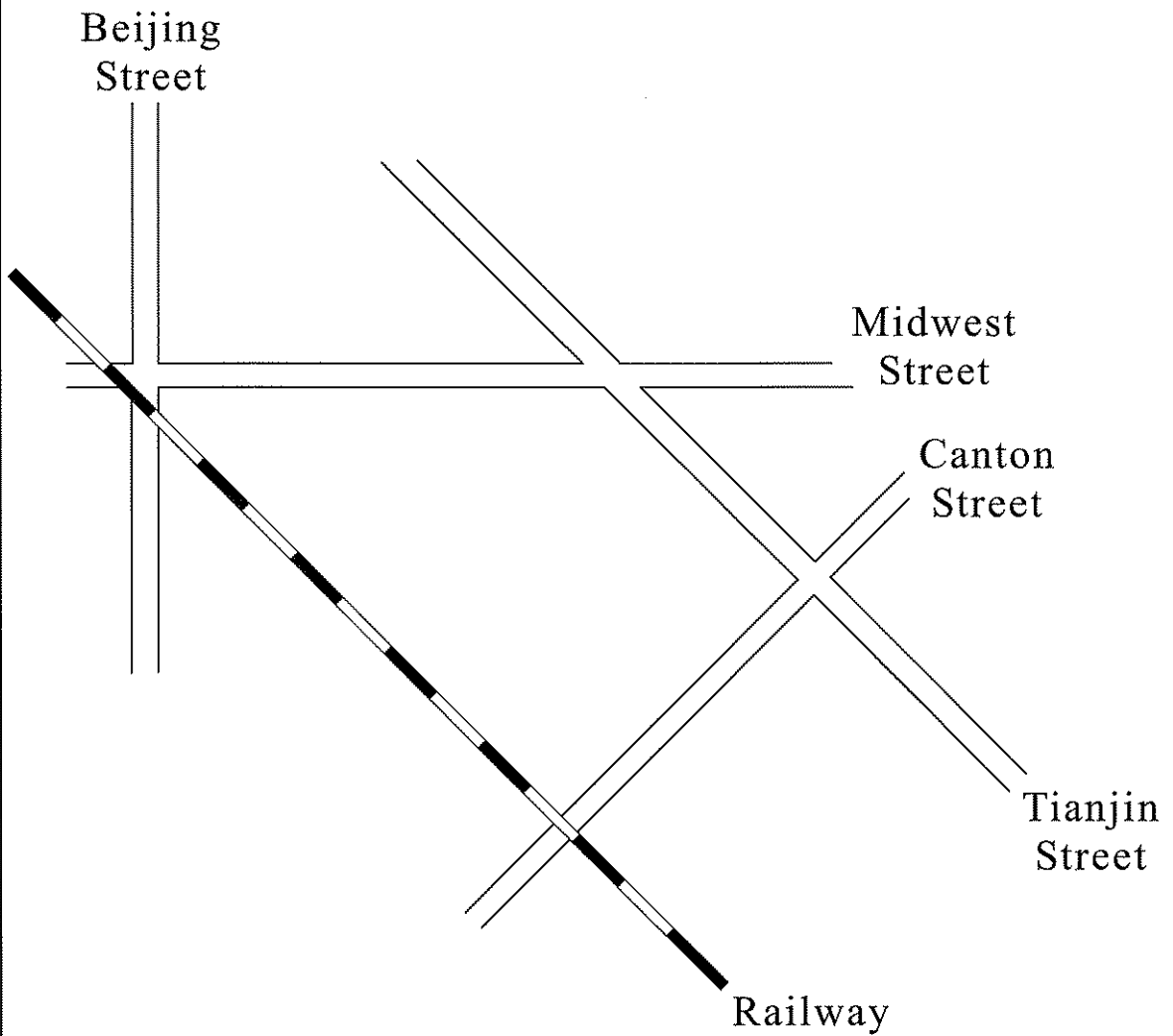
(b) Prism(s): _____

(c) Pyramid(s): _____

(d) Cylinder(s): _____

Please do not write in the margin.

33.



In the map above,

(a) Which street is parallel to the railway?

Answer: _____ Street

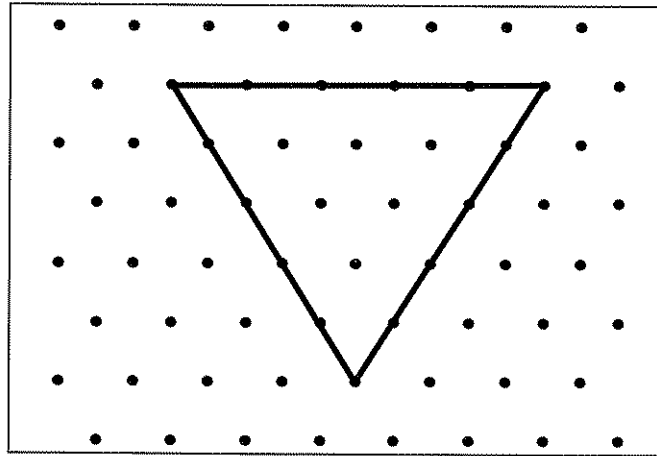
(b) Which street is perpendicular to the railway?

Answer: _____ Street

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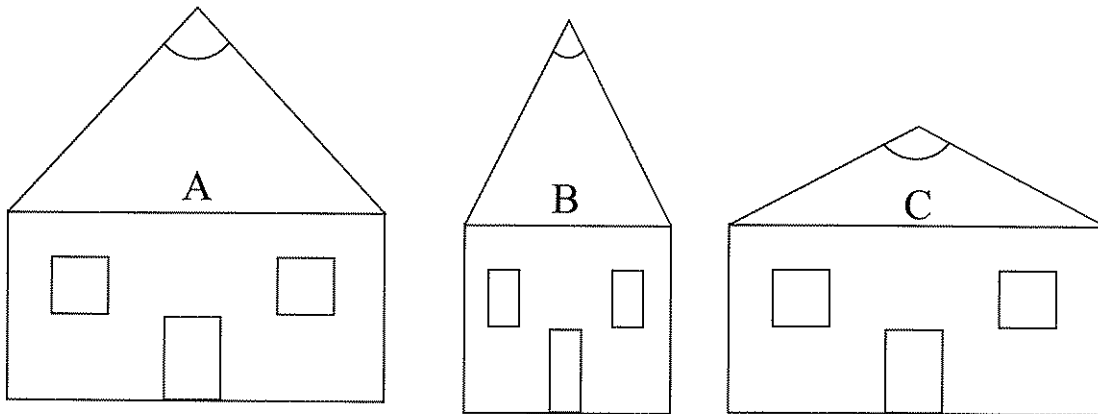
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34. Minnie uses rubber band to make a triangle on the pin-board:



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

35. Write down the letter(s) for the answers.



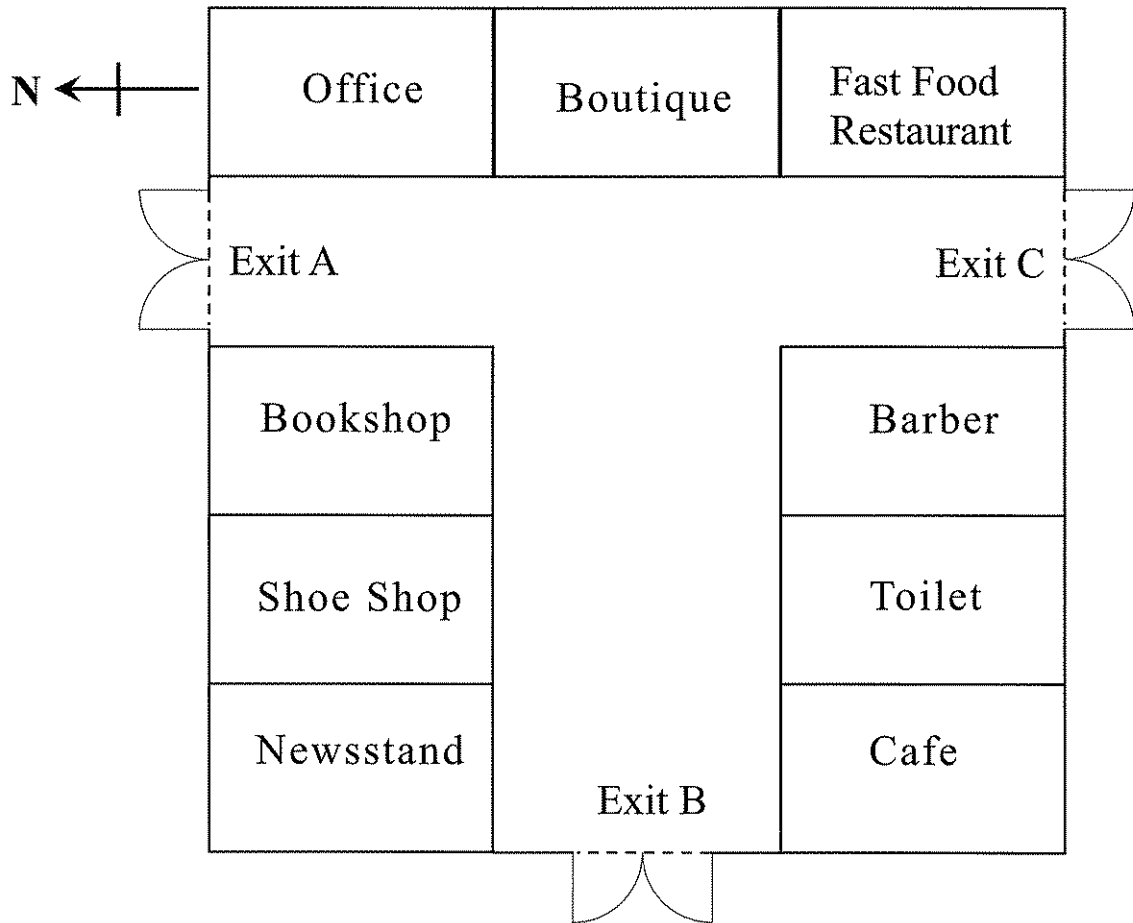
House _____ has the largest angle at the top.

House _____ has the smallest angle at the top.

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Please do not write in the margin.

36. The map of a shopping centre is shown below.



- (a) Cafe is to the _____ of Fast Food Restaurant.
- (b) Bookshop is to the _____ of Barber.
- (c) In the shopping centre, Mr. Ma goes from Exit B to Exit C. He first goes _____, and then goes _____ to reach Exit C.
 (direction) (direction)

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37. Ben interviewed 27 classmates about the number of their family members. The results are as follows:

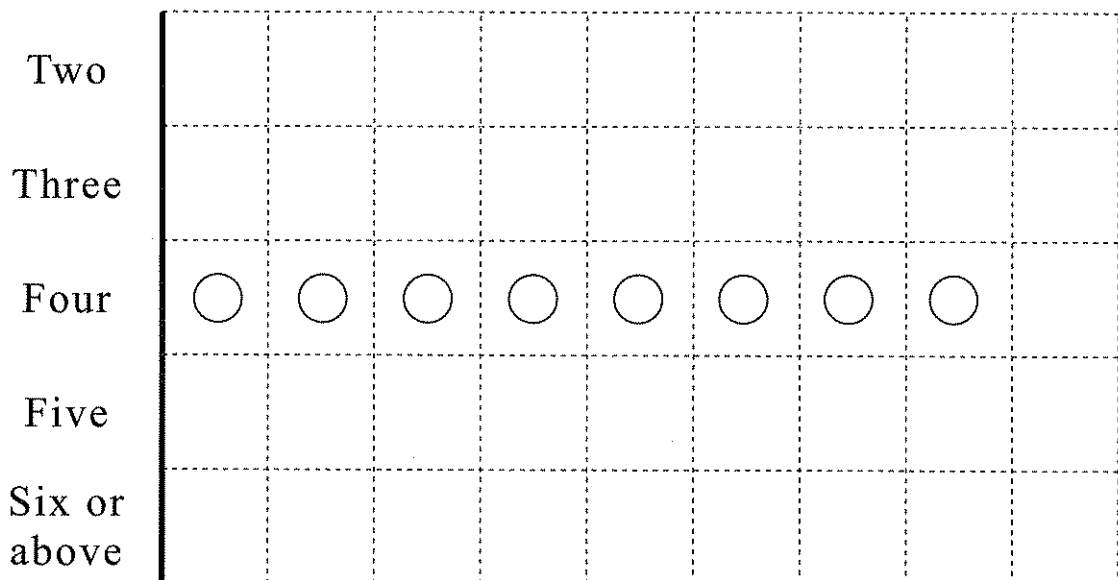
(a) According to the records, complete the table below.

| No. of family members | Two | Three | Four | Five | Six or above |
|-----------------------|-----|-------|------|------|--------------|
| Records | | | | | |
| No. of families | | | | | |

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

(Title)

Each ○ represents 1 family



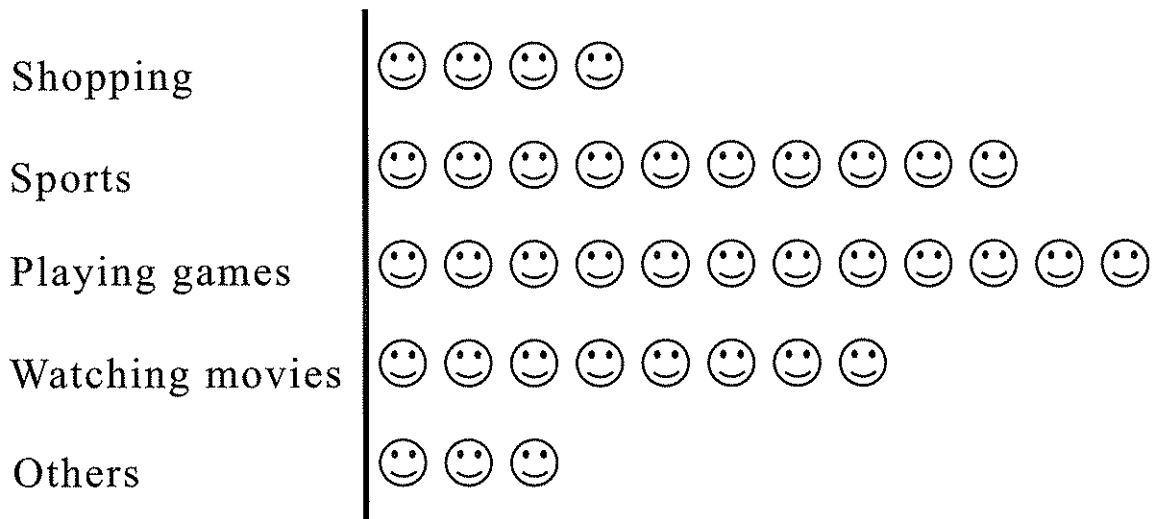
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38. Ken has done a survey on the activities that his classmates do on Sunday. The results are as follows:

Sunday Activities of Ken's Classmates

Each ☺ represents 1 pupil



- (a) Altogether, Ken has interviewed _____ classmates.
- (b) The total number of pupils who like playing games and watching movies is _____, which is _____ times the number of pupils who like shopping.
- (c) Ken likes to go swimming on Sunday. According to the above pictogram, swimming belongs to _____ .
(category)

— END OF PAPER —

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