Education and Manpower Bureau
Territory-wide System Assessment 2007
Primary 3
Mathematics

Instructions:

1. There are 36 questions in this test.

2. Answer all questions.

3. Time allowed is 40 minutes.

4. Use of calculators is not allowed.

5. Write your answers in this Question-Answer Booklet.

    (a) Multiple choice questions:

    Mark your answers by putting a "✓" in the "◯", e.g.:

    2 + 3 =

    ◯ A. 4   ✓ B. 5   ◯ C. 6   ◯ D. 7

    (b) Questions in which you are asked to "Show your working":

    Write your mathematical expressions, answers and statements/conclusions in the space provided. There is NO need to show your rough work.

    (c) Other types of questions:

    Answer as required in the space provided.

6. Do your rough work on the rough work sheet provided.

7. Write your School Code, Class and Class Number in the boxes below.

School Code 學校編號				Class 班別	3		Class No. 班號		
(5)					↑				(11)

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

1.

| Ten thousands | Thousands | Hundreds | Tens | Units |
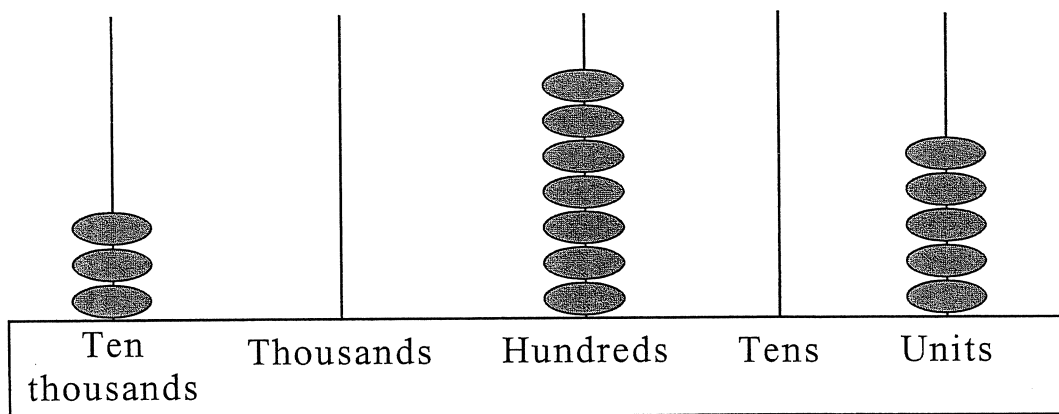
(a) Write in words the number shown on the above abacus.

Answer: _____

(b) In the number shown on the above abacus, the digit in the thousands place is _____ , and the value of this digit is _____ .

2. $226 + 358 + 107 = $ _____

3. Fill in the boxes with the correct numbers.

$$
\begin{array}{cccc}
 & 4 & 7 & 2 \\
+ & \square & \square & \square \\
\hline
 & 6 & 8 & 1 \\
\end{array}
$$

4. $2 \times 27 \times 5 = $ _____

5. $956 \div 6 = $ _____

6. Which of the following is equal to 32 × 6?

    ○ A. 8 × 29   ○ B. 9 × 18

    ○ C. 2 × 106   ○ D. 4 × 48

7. 439 + (505 − 282) =

    ○ A. 762   ○ B. 752

    ○ C. 662   ○ D. 652

8. 297 − 97 × 2 =

    ○ A. 93   ○ B. 103

    ○ C. 113   ○ D. 400

9. Which of the following figures have $\frac{1}{4}$ shaded?

    A   B
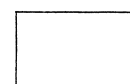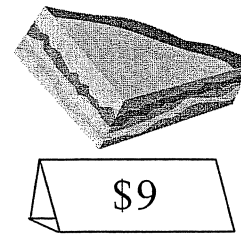
    C   D   E
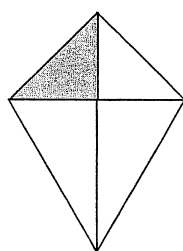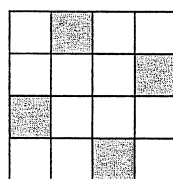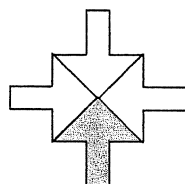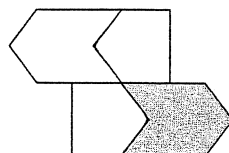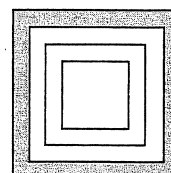
Answer: _____

10. The shopkeeper made $243 by selling sandwiches. The cost of each sandwich was $9. The number of sandwiches the shopkeeper sold was _____ .

$9

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

$$\frac{9}{14} \;,\; \frac{4}{14} \;,\; \frac{11}{14}$$

Answer: ☐ , ☐ , ☐

(Smallest)   (Largest)

12. A badminton team has 268 shuttlecocks and 144 more are bought by the team. There are now _____ shuttlecocks altogether.
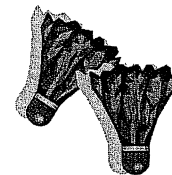
13. Ken bought a set meal and paid

with [TWENTY HONG KONG DOLLARS 港幣貳拾圓] [TWENTY HONG KONG DOLLARS 港幣貳拾圓] .

How much change did he get?

Answer: The change was _____ dollars

and _____ cents.

Set meal
$21.80

14.

$204 each
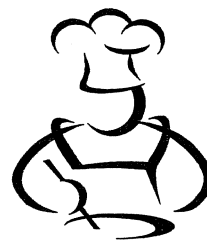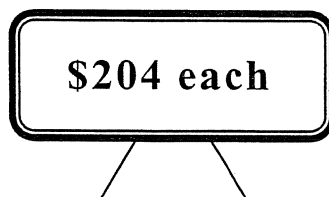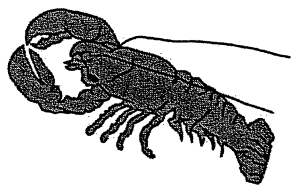
The cook buys half a dozen lobsters. How much money does she pay?

(Show your working)

1 mark (27)

1 mark (28)

1 mark (29)

15. The price of a calculator is $186.
The price of a telephone is $59
less than that of 3 calculators.
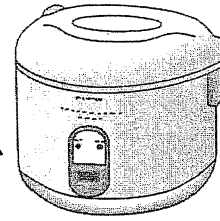What is the price of the telephone?
(Show your working)

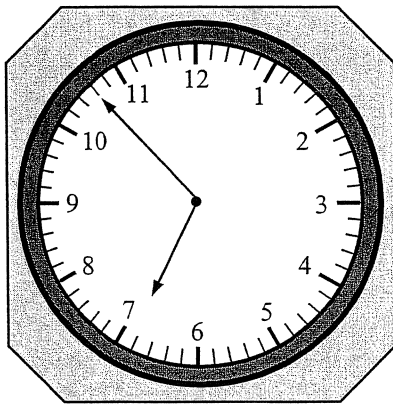$186 $?
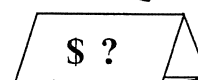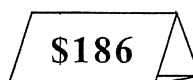
1 mark (30)

1 mark (31)

1 mark (32)

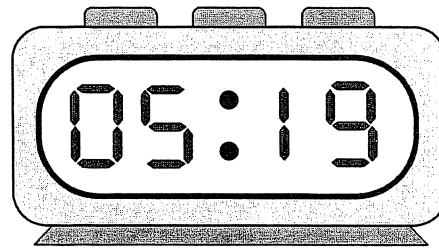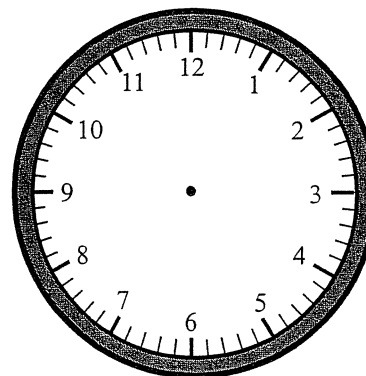16. Circle the amount of money needed to buy the rice cooker.

$455

17.

Clock **A**   Clock **B**

The clocks above show two different times in a morning. The time shown on Clock A is * earlier / later (* circle the answer) than that shown on Clock B by

_____ hour(s) _____ minute(s).

18.
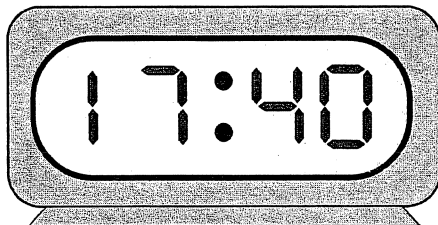
Draw the hour hand and the minute hand on the clock face to show the time on the digital clock.

19.

15 cm
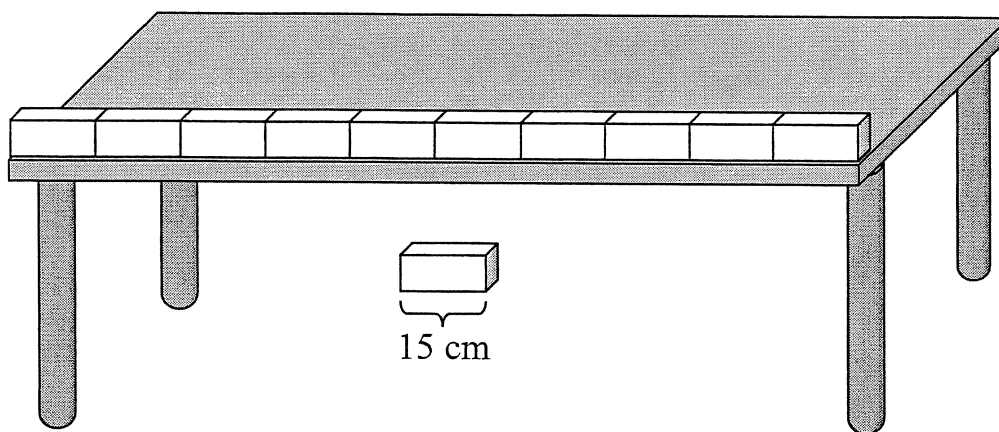
Betty measures the length of the table with some wooden blocks. The length of the table is _____ cm.

20. Which unit of length is most suitable for each of the following measurements? Choose the answer.

(a) The width of this Question-Answer Booklet is about 21

　　　○ A.　km　　　　○ B.　m

　　　○ C.　cm　　　　○ D.　mm

(b) The length of the runway of an airport is about 3

　　　○ A.　km　　　　○ B.　m

　　　○ C.　cm　　　　○ D.　mm

(c) The length of a standard swimming pool is 50

　　　○ A.　millimetres　　○ B.　centimetres

　　　○ C.　metres　　　　○ D.　kilometres

(d) The thickness of a wooden door is about 45

　　　○ A.　millimetres　　○ B.　centimetres

　　　○ C.　metres　　　　○ D.　kilometres

21.

June						
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) The third Tuesday of the month is a holiday. The

holiday is on the _____ of _____ .

(month)

1 mark (41)

(b) Mike's birthday is on the 11th of June. Mum wants to
hold his birthday party on the nearest Saturday, which

is the _____ of _____ .

(month)

1 mark (42)

(c) On the fourth Thursday of the month, Mike starts a
5-day camping activity. The camping activity ends

on the _____ of _____ .

(month)

1 mark (43)

22. Which of the following is the most
suitable measuring tool to measure
the capacity of a bathtub?
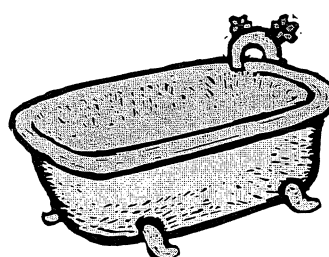
○ A.

○ B.
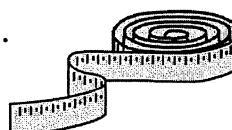
○ C.
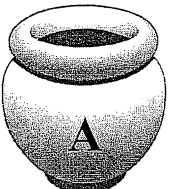
○ D.
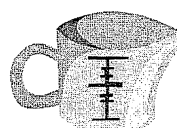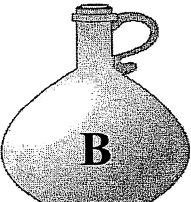
(44)

23. One 🥣 of water can fill up ☕☕☕

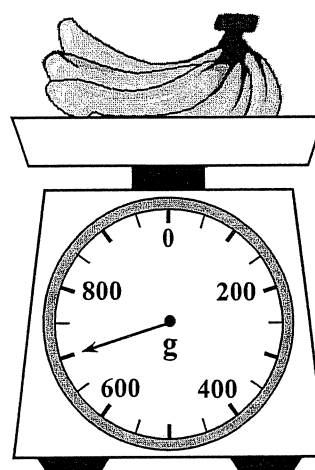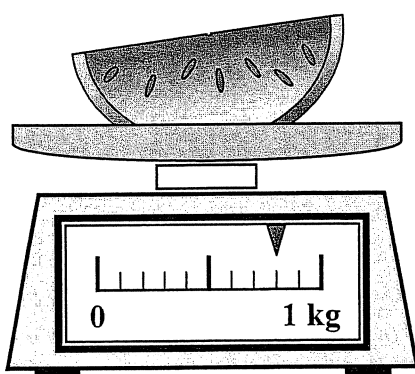One (A) of water can fill up

One (B) of water can fill up

One (C) of water can fill up

The capacity of container * A / B / C (*circle the answer)

is the largest and the capacity of container * A / B / C (*circle the answer) is the smallest.
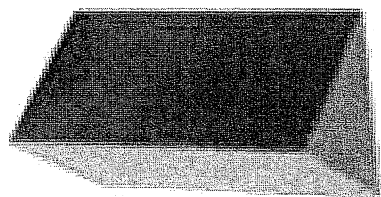
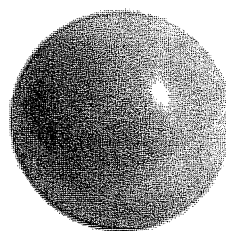1 mark (45)

24.

* 🍉 / 🍌 (*circle the answer) is lighter.
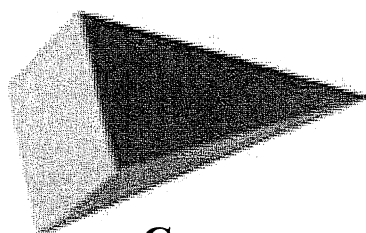
It is _____ g lighter than the other fruit.

1 mark (46)

25.

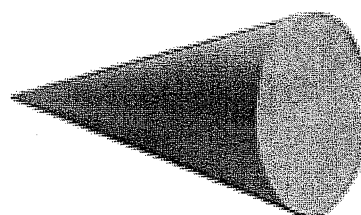
A

B

C

D

Match the letter of each of the above 3-D shapes with its name shown below:

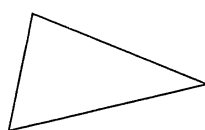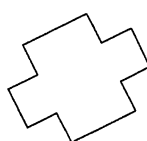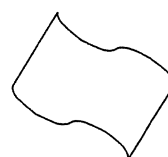| Sphere	Prism	Pyramid	Cone

26. Which diagrams below have right angles? Write the letters for the answer.
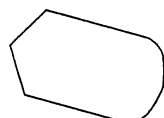

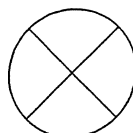**A**   **B**   **C**

D   **E**   **F**
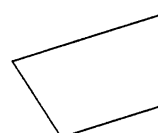
Answer: _____

27. Study the following objects. Write the letter(s) for the answer.
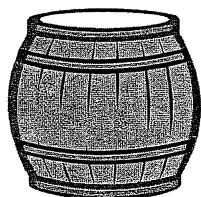
A　　　　**B**　　　　**C**
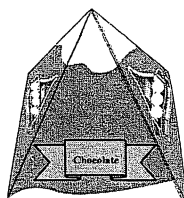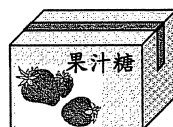
D　　　　**E**　　　　**F**

G　　　**H**　　　**I**　　　**J**
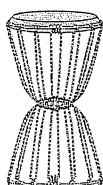
(a) Prism(s)/Cylinder(s): _____
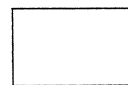
(b) Pyramid(s)/Cone(s): _____
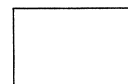
(c) Sphere(s): _____
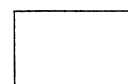
28.
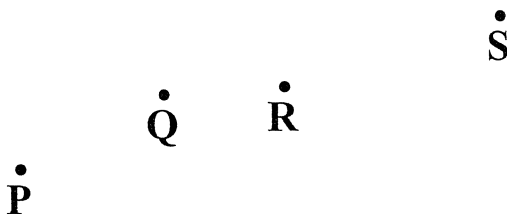
Three of the four points shown above lie on the same straight line. Which point **does not** lie on the straight line?

○ A. **P**　　　　　　○ B. **Q**

○ C. **R**　　　　　　○ D. **S**

29. Study the following 2-D shapes. Write the letter(s) for the answer.
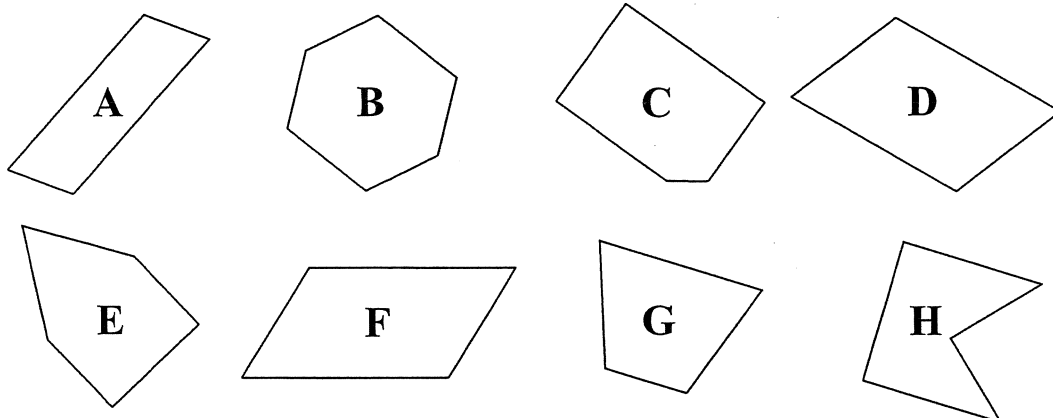
(a) Pentagon(s): _____

(b) Parallelogram(s): _____

30. Study the following triangles. Write the letter(s) for the answer.
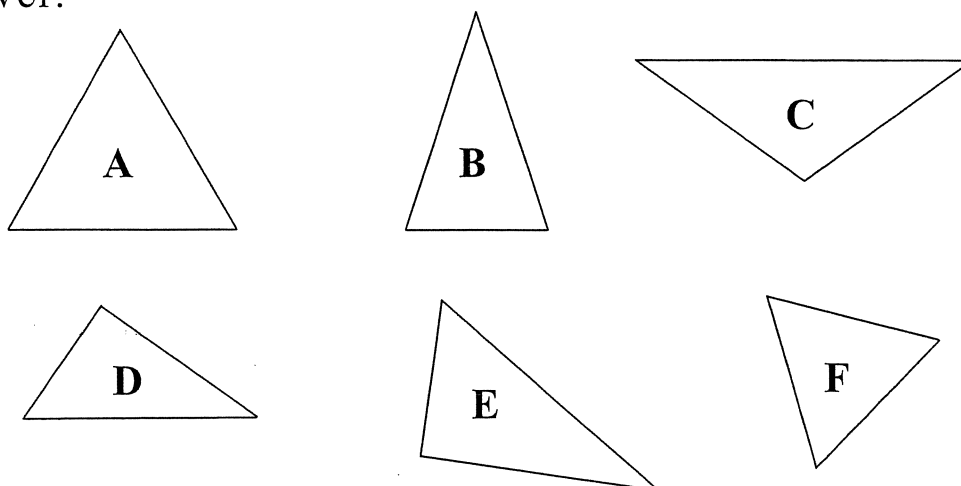
(a) Isosceles triangle(s): _____

(b) Equilateral triangle(s): _____

(c) Right-angled triangle(s): _____

31.
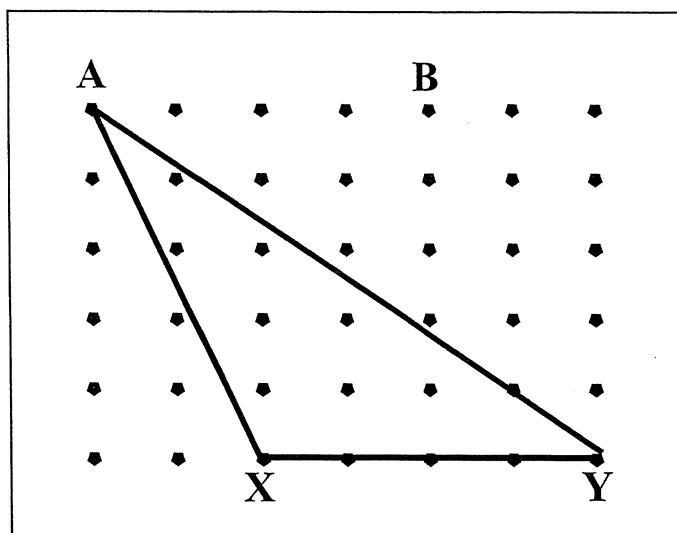
An elastic band is used to form a triangle on the above pin-board. If we move the elastic band from point A to B, what type of triangle will then be formed?

Answer: _____ triangle

32. Name the 2-D shapes that make up the diagram below.

(a)

(b)

(c)

(d)

12

Go on to the next page

33.

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 ◆  3:28 PM
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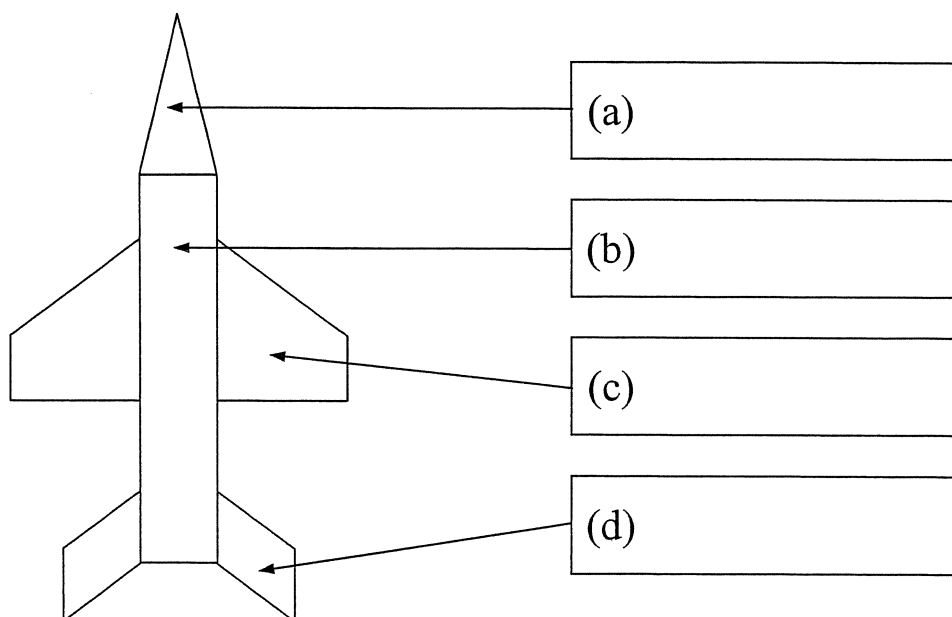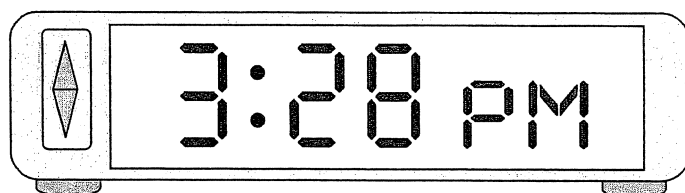
The time shown on the digital clock is _____ minutes

past _____ in the * morning / afternoon (*circle the

answer).

34. Study the diagram below and answer the following
questions.
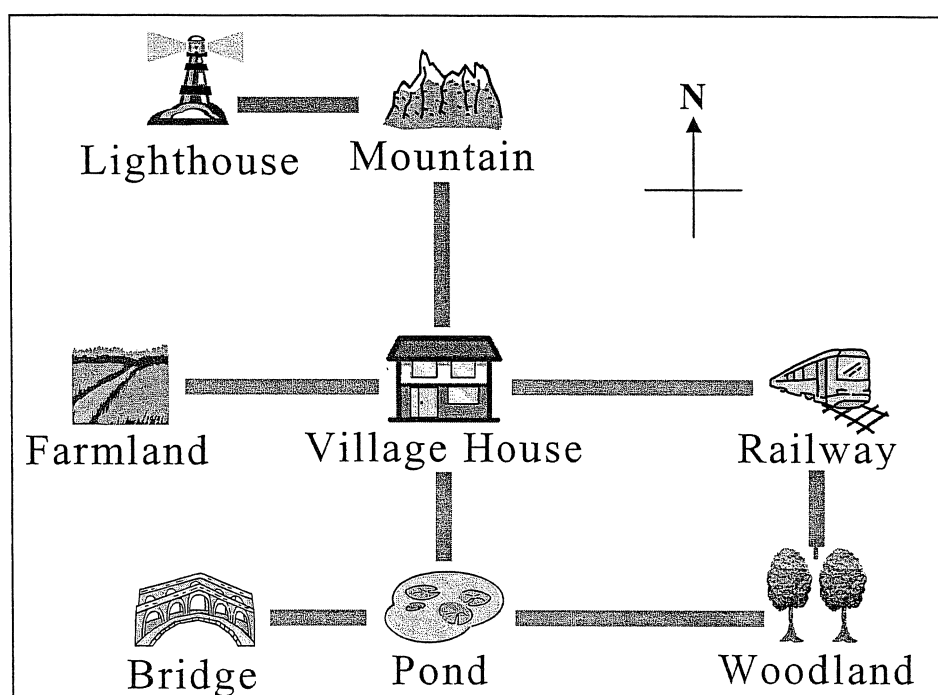
(a) The Lighthouse is to the _____ of the Bridge.
                            (direction)

(b) If we go east from the Village House, we will reach

the _____ .

(c) David wants to go from the Railway to the Pond. He

first goes _____ , passes the _____ ,
           (direction)

and then goes _____ to reach the Pond.
              (direction)

35. The pictogram below shows the score of each team on School Fun Day.

The Score of Each Team on School Fun Day

Each ⚑ represents 1 point

Brown Team	⚑ ⚑ ⚑ ⚑ ⚑ ⚑
Red Team	⚑ ⚑ ⚑
Yellow Team	⚑ ⚑
Green Team	⚑ ⚑ ⚑ ⚑ ⚑ ⚑ ⚑
Purple Team	⚑ ⚑ ⚑ ⚑ ⚑ ⚑ ⚑ ⚑
Blue Team	⚑ ⚑ ⚑ ⚑ ⚑

(a) The score of the Red Team is half the score of the
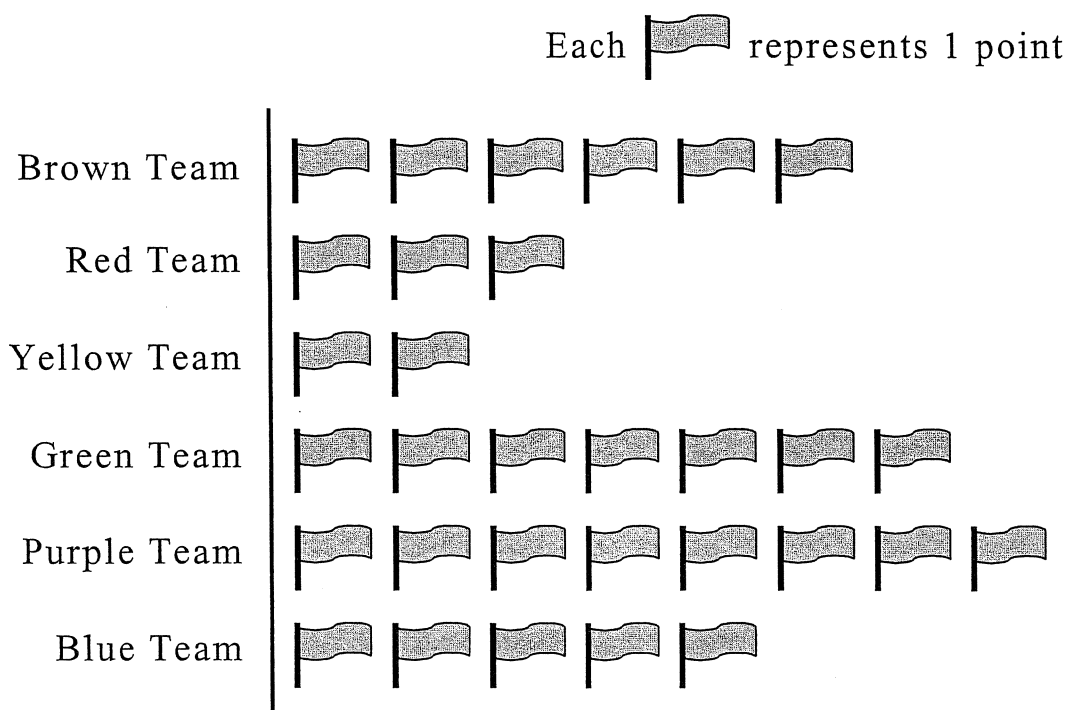_____ Team.

(b) The difference between the highest and the lowest
scores is _____ points.

(c) According to the scores,

the champion is the _____ Team,

the 1st runner-up is the _____ Team, and

the 2nd runner-up is the _____ Team.

36. A teacher did a survey on the favourite books of his pupils. The results are as follows:

Types of books	Story	Science	Sports	Comic	Others
Number of pupils	7	9	5	4	3

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

_____

(Title)

Each ☺ represents 1 pupil

	☺ ☺ ☺ ☺ ☺ ☺ ☺
	☺ ☺ ☺ ☺ ☺ ☺ ☺ ☺ ☺
Comic	
Others	☺ ☺ ☺

— END OF PAPER —