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. In the number 70 418,

   (a) the digit in the hundreds place is _____ , and

   (b) the value of the digit '7' is _____ .

2.

| 3 | 0 | 8 | 2 | 5 |

   Arrange the 5 number cards above to form the smallest 5-digit **odd** number.

   Answer:

3. _____ − 453 = 215

4. 902 − 380 = _____

5. Fill in the boxes with the correct numbers.

```
        □ 7
   6 )□ 8 2
      5 □
      ─────
        □ 2
        4 2
```

6. $385 \times 5 =$ _____

7. $420 \div 5 =$ _____

8. $42 \times (127 - 119) =$ _____

9. Shade two-fifths of the following diagram with a pencil.
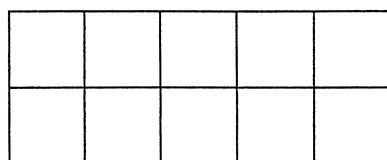
10. Arrange the following fractions from the largest to the smallest.

$$\frac{2}{9} \ , \ \frac{2}{5} \ , \ \frac{2}{13}$$
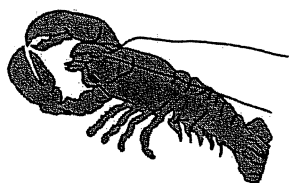
Answer: ☐ , ☐ , ☐

(Largest)   (Smallest)

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

$9

12.

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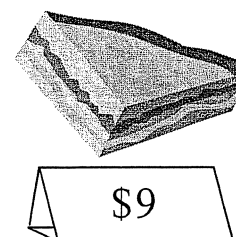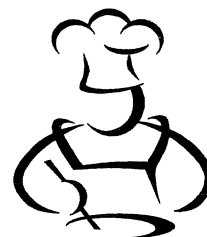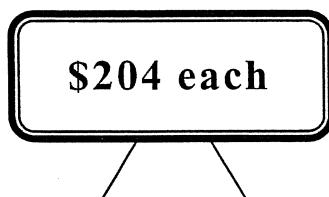
The cook buys half a dozen lobsters. How much money does she pay?

(Show your working)

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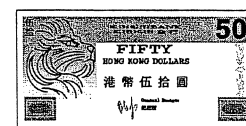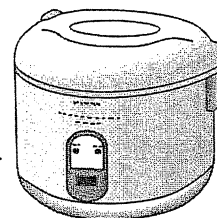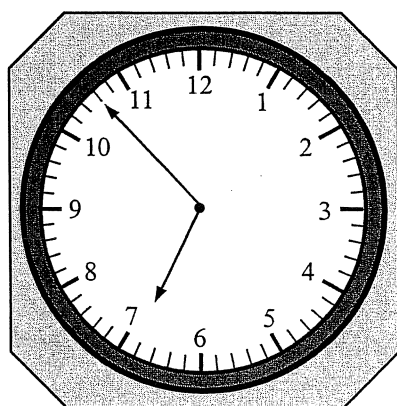What is the price of the telephone?
(Show your working)

$186 $?
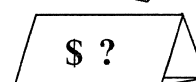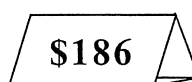
14. Circle the amount of money needed
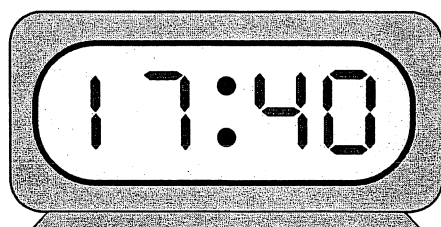to buy the rice cooker.

$455

15.
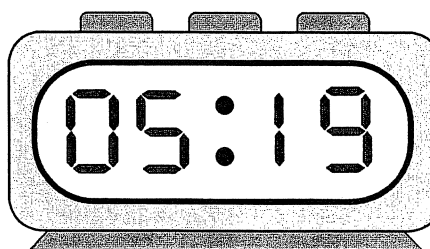
Clock **A**   Clock **B**

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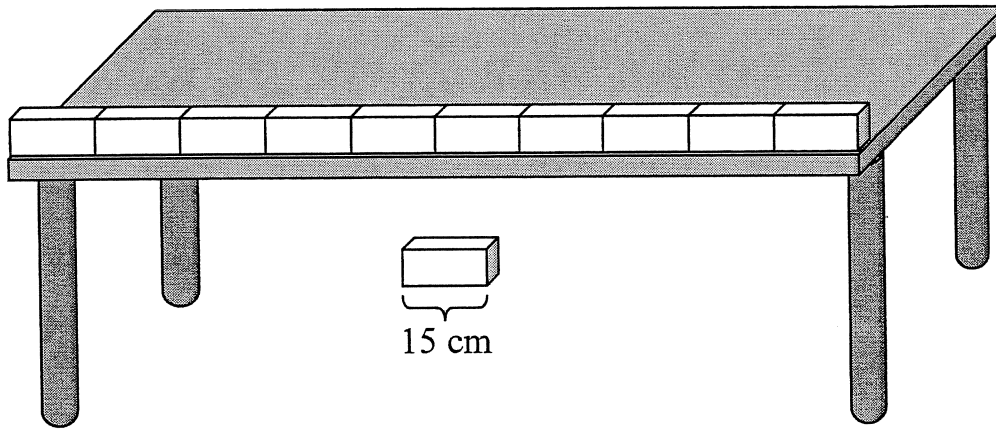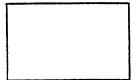the answer) than that shown on Clock B by

_____ hour(s) _____ minute(s).

16.
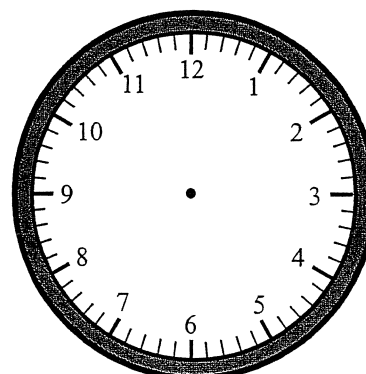
Draw the hour hand and the minute hand on the clock face
to show the time on the digital clock.

17.

15 cm

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

18. 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

(34)

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

    ○ A. km   ○ B. m

    ○ C. cm   ○ D. mm

(35)

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

    ○ A. millimetres   ○ B. centimetres

    ○ C. metres   ○ D. kilometres

(36)

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

    ○ A. millimetres   ○ B. centimetres

    ○ C. metres   ○ D. kilometres

(37)

19.

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 (38)

(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 (39)

(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 (40)

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

○ A.

○ B.

○ C.

○ D.

(41)

6

Go on to the next page
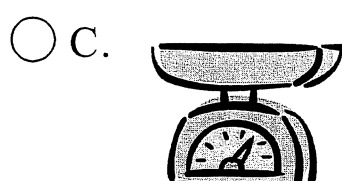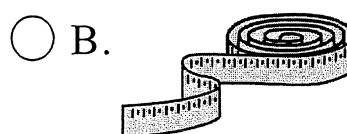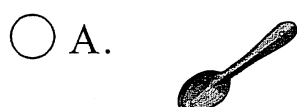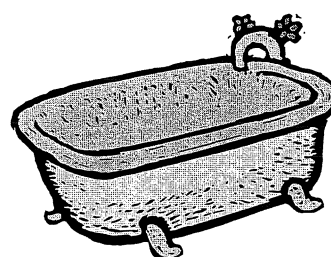
21. The number of people going to the library yesterday is 317, which is 128 more than that going to the library today. A total

of _____ people went to the library in these two days.
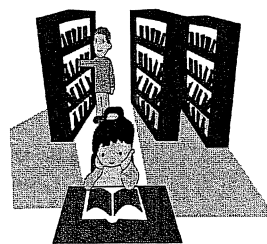
22. 4 people bought a present for John and shared the cost equally among themselves. If the present cost $90, how much did each person pay?

Answer: Each person paid _____ dollar(s) and

_____ cent(s).

23. (a) 1 ⑩ can be exchanged for _____ ② .

(b) [100] [50] can be exchanged for

_____ ⑩ .

(c) 10 [20] and 6 [50] can be exchanged

for _____ [100] .

24. Fill in each of the blanks below with a suitable unit of measurement.

(a) The length of a ball pen is about 10 _____ .

(b) The storage capacity of an electric water heater is about 15 _____ .

(c) A bag of flour weighs about 2 _____ .
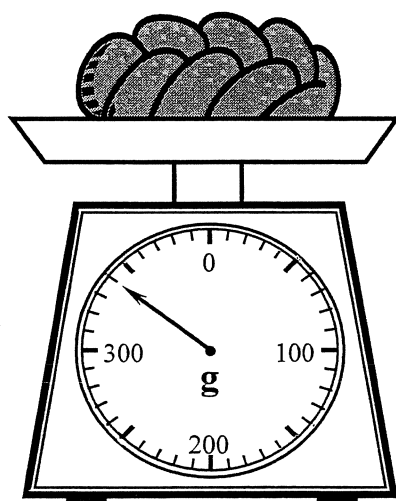
(d) The thickness of a notebook computer is about 25 _____ .
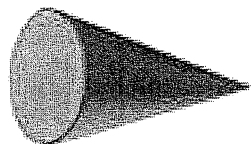
(e) The weight of a tea bag is about 2 _____ .

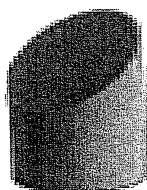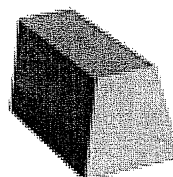25. The weight of the loaf of bread shown below is _____ . (Give the answer with a unit.)

26. Study the following 3-D shapes. Write the letter(s) for the answer.

A

B

C
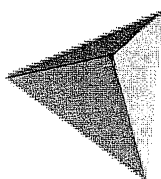
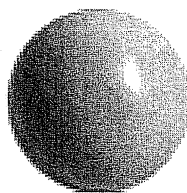D

E

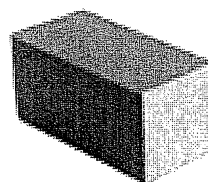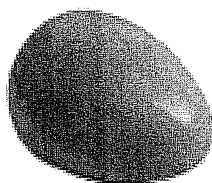F

G

H

I
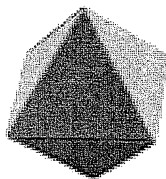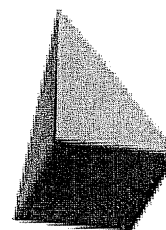
(a) Pyramid(s): _____

(b) Cone(s): _____

(c) Prism(s): _____

(d) Sphere(s): _____

27. Charles stacks up seven $1 coins. What kind of 3-D shape is the stack of coins?
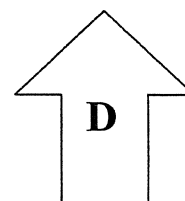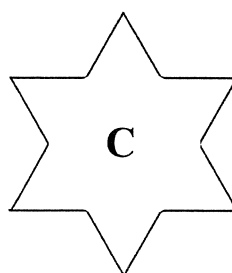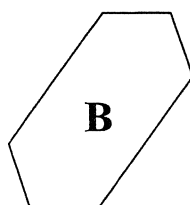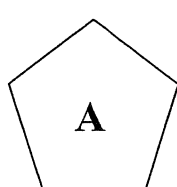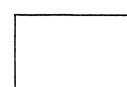

- ⭘ A. Pyramid
- ⭘ B. Cylinder
- ⭘ C. Prism
- ⭘ D. Sphere

(57)

28. Which of the following 2-D shapes are hexagons? Write the letters for the answer.
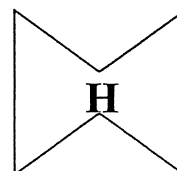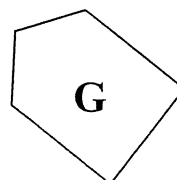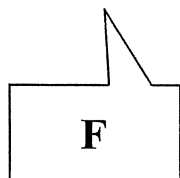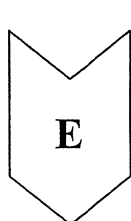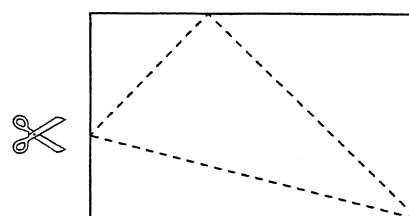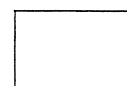

Answer: _____

1 mark (58)

29. The rectangle shown on the right is cut into four triangles along the dotted lines. What type of triangles are these?

Answer: _____ triangle

1 mark (59)

30.
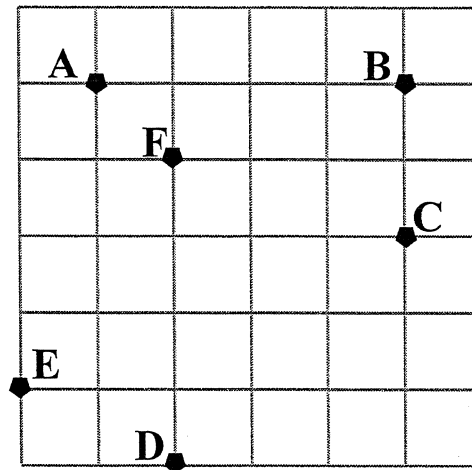
A   B

F

C

E

D

Martin wants to make a right-angled triangle on the above pin-board using an elastic band. Which points on the pin-board should he choose? Write the letters for the answer.

Answer: _____

31. (a) On **Diagram 1**, draw a straight line that is parallel to AB.

A

B
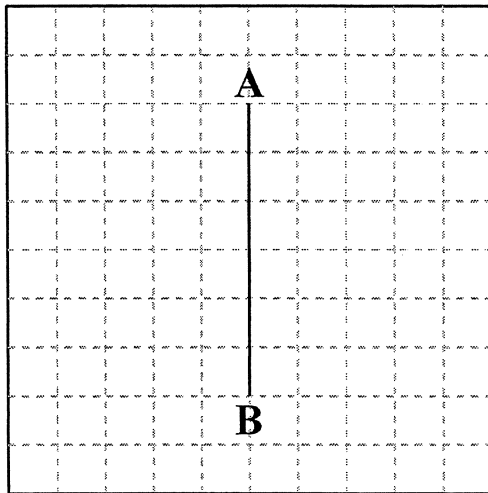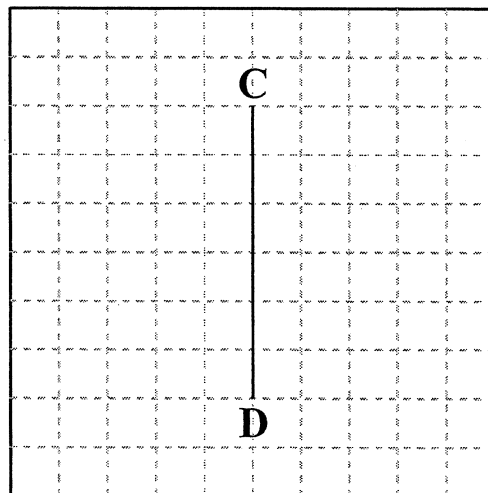
Diagram 1

C

D

Diagram 2

(b) On **Diagram 2**, draw a straight line that is perpendicular to CD.

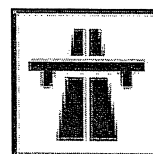32. The following are some road signs. According to the shape of the road signs, what types of 2-D shapes are they?

(a)

Answer: _____

(b)

Answer: _____
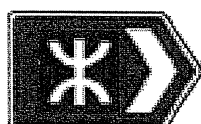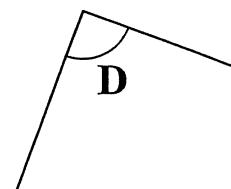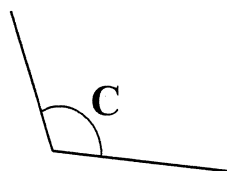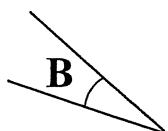
(c)

Answer: _____

(d)

Answer: _____

(e)

Answer: _____

33. Arrange the angles in the diagram below in order, from the smallest to the largest.

A   B   C   D
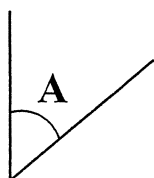
Answer: _____ , _____ , _____ , _____
   (Smallest)   (Largest)

34. The map below shows the locations of the facilities in a theme park.
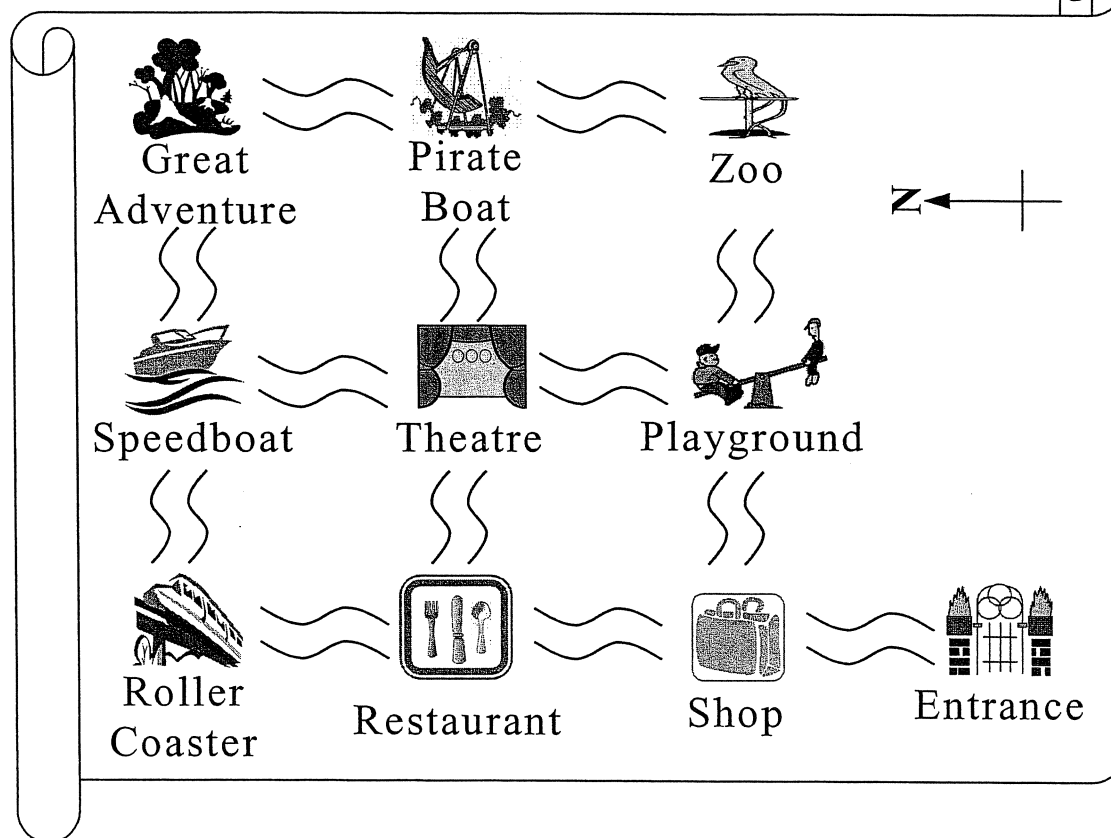
(a) After entering the theme park, Leo and his family

go _____ all the way to the Roller Coaster.
   (direction)

(b) The Zoo is to the _____ of the Shop.
              (direction)

(c) The Pirate Boat is to the south of the _____ .

(d) After watching a performance at the Theatre, Leo and his family want to go to the Shop. They first go

_____ , pass the _____ , and then
(direction)

go _____ to reach the Shop.
   (direction)

35. The community centre did a survey on the favourite talent classes of the pupils in the district. The results of the survey are as follows.

Favourite Talent Classes of the Pupils

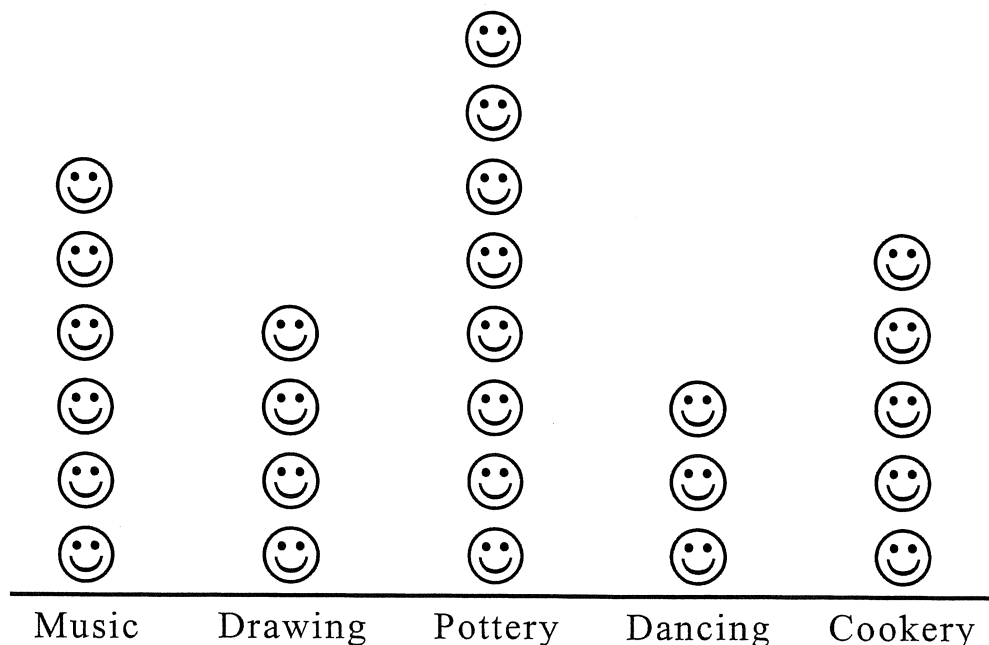Each 😊 represents 1 pupil

| Music   Drawing   Pottery   Dancing   Cookery

(a) The most popular talent class is _____ , and the number of pupils who favour it is _____ .

(b) The number of pupils who favour the Dancing Class is _____ less than those who favour the Music Class.

(c) The number of pupils taking part in the survey is _____ .

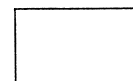(d) The community centre will run three talent classes. Which three classes will it choose?

Answer: It will choose _____ ,

_____ and _____ .

36. Miss Wong did a survey on the participation of P.3B pupils in the activities for Games Day.

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

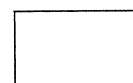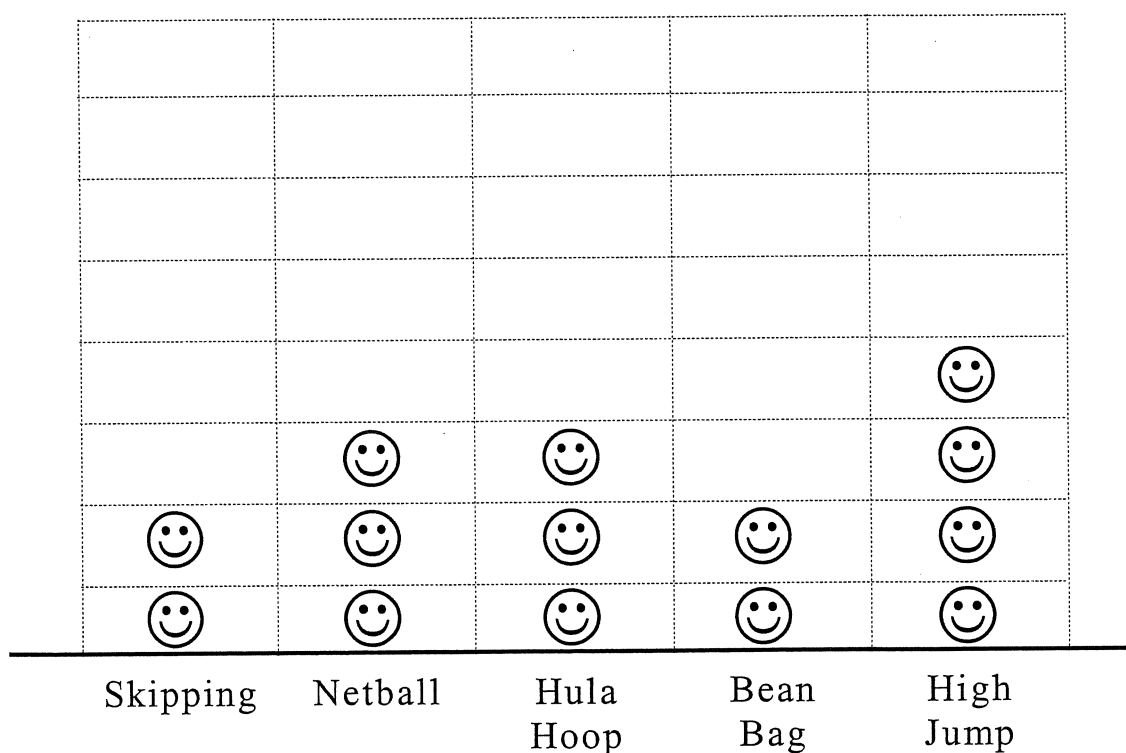| Activities	Skipping	Netball	Hula Hoop	Bean Bag	High Jump
Records	卌 l	l l l	卌	l l l l	卌 l l
Number of pupils					

(b) According to the above data, complete the pictogram below.

The Participation of P.3B Pupils on Games Day

Each 😊 represents 1 pupil

Skipping Netball Hula Hoop Bean Bag High Jump

— **END OF PAPER** —

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