

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

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(5)

Class

班別

3	
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Class No.

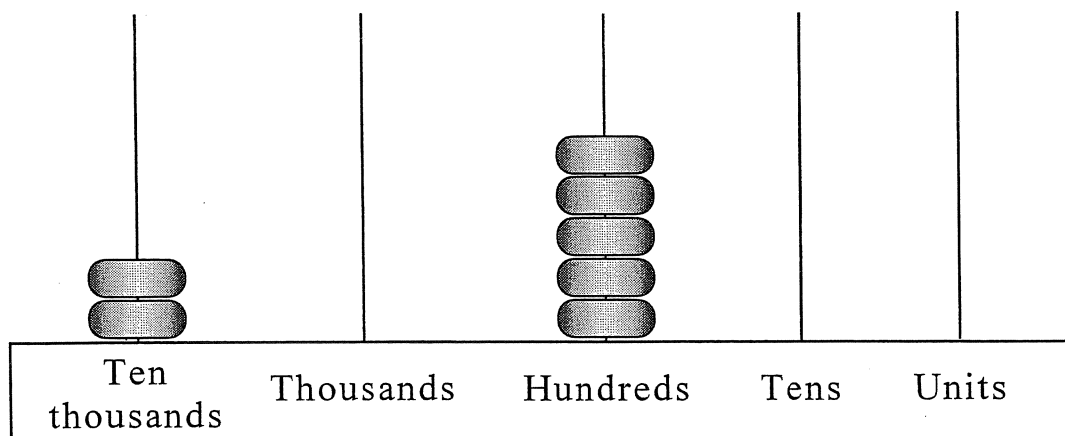
班號

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(11)

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

1.



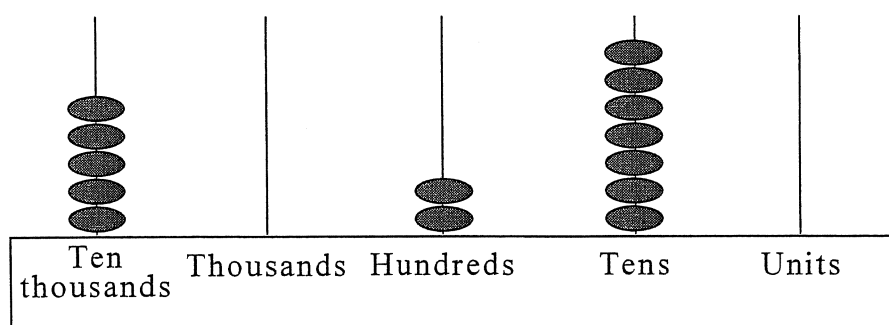
Which of the following numbers is nearest to the number shown on the abacus?

- ☐ A. 19 000 ☐ B. 19 500
☐ C. 21 000 ☐ D. 22 500

(12)

2. Arrange the following numbers from the largest to the smallest. (Give the answer **in numerals.**)

(a)



(b) Fifty-two thousand and seven

(c) 50 720

Answer: _____ , _____ , _____
 (Largest) (Smallest)

1 mark (13)

3. $576 + 282 =$ _____

1 mark (14)

4. $850 - 133 - 409 =$

☐ A. 717

☐ B. 1126

☐ C. 318

☐ D. 308

(15)

5. $209 \times 3 =$ _____

1 mark (16)

6. Use short division to calculate $828 \div 4$.

$$\begin{array}{r} 4 \overline{) 828} \end{array}$$

1 mark (17)

7. $340 - 500 + 460 =$ _____

1 mark (18)

8. $188 + 78 \times 4 =$ _____

1 mark (19)

9. My brother joined a summer camp. He bought a toothbrush, a towel and a bottle of soap before going to the camp. How much did he pay altogether?



\$4.70



\$5.00

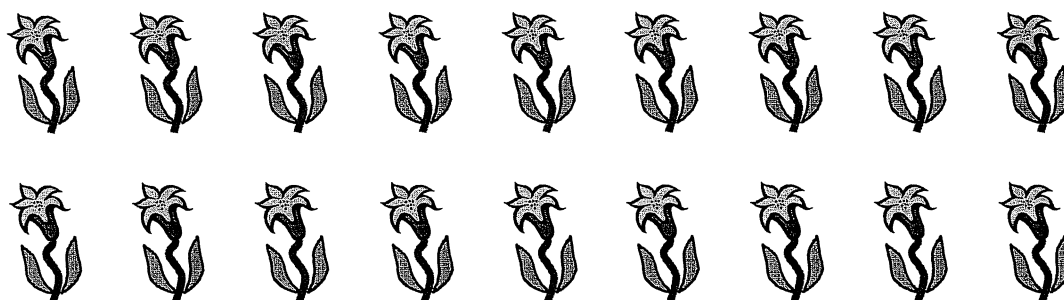


\$14.90

Answer: He paid _____ dollars and _____ cents altogether.

1 mark (20)

10. Mum bought 18 flowers and gave $\frac{1}{6}$ of them to a friend. She gave _____ flowers to her friend.



1 mark (21)

11. Fill in the boxes with “>”, “<” or “=”.

(a) 1 $\frac{10}{10}$

(b) $\frac{1}{5}$ $\frac{1}{8}$

(c) $\frac{3}{11}$ $\frac{9}{11}$

(d) $\frac{2}{2}$ 2

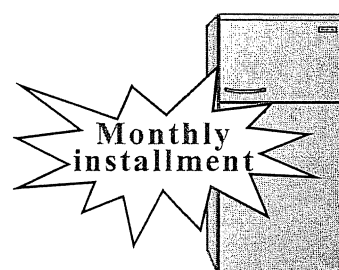
1 mark (22)

1 mark (23)

1 mark (24)

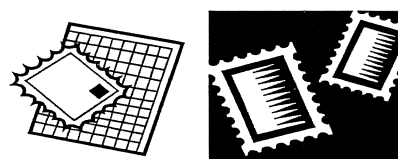
1 mark (25)

12. Dad bought a refrigerator and paid for it in 8 monthly installments of \$496 each month. Altogether he paid \$ _____ for the refrigerator.



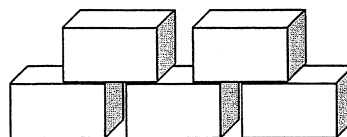
1 mark (26)

13. Ben has 307 stamps and Sally has 126 stamps. Ben has _____ more stamps than Sally has.



1 mark (27)

14. There were 870 boxes of fruit juice in the warehouse. The workers moved 351 boxes away yesterday and they moved the same number of boxes away today. How many boxes of fruit juice are left in the warehouse?



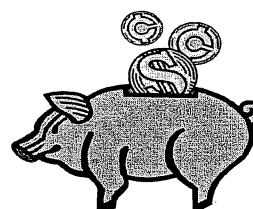
(Show your working)

1 mark (28)

1 mark (29)

1 mark (30)

15. My brother saved \$624 in the past 3 years. On average how much did he save each year?



(Show your working)

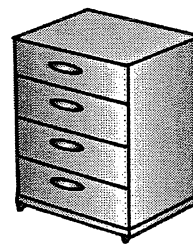
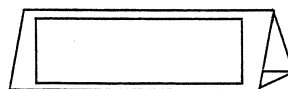
1 mark (31)

1 mark (32)

1 mark (33)

16. The shoe cabinet is on sale for three hundred and five dollars.

(a) Write the price in numerals on the price tag.



1 mark (34)

(b) Paul buys the shoe cabinet and pays with



. How much change should he get?

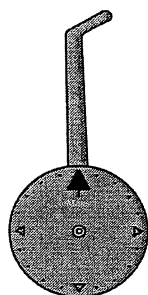
Circle the amount of change.



1 mark (35)

17. Mum and Dad want to buy a wardrobe. Which of the following measuring instruments is most suitable for measuring the height of the wardrobe?

☐ A.



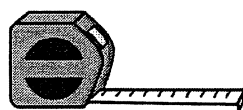
Trundle Wheel

☐ B.



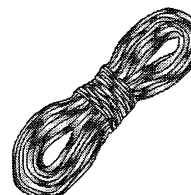
Ruler

☐ C.



Measuring Tape

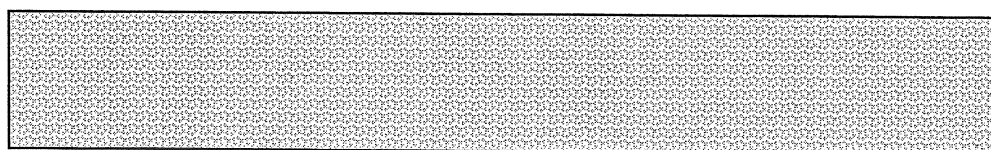
☐ D.



String

(36)

18. Use a ruler to measure the length and the width of the ribbon below.



(a) The length of the ribbon is _____ cm.

1 mark (37)

(b) The width of the ribbon is _____ mm.

1 mark (38)

19.

December 2006						
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
31						

(a) Mum bought a washing machine on the 14th of December and arranged to have it delivered on the next Wednesday, which was the

_____ of _____ .
(month)

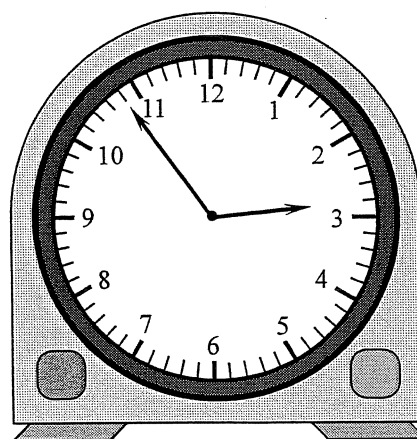
1 mark (39)

(b) There were 11 days of holidays for Christmas and the New Year. The holidays began on the 23rd of December. After the holidays, the pupils went back to school again on the

_____ of _____ , _____ .
(month) (year)

1 mark (40)

20. The clock stopped working because the battery in it ran out. The time when the clock stopped working was at _____ minutes to _____.

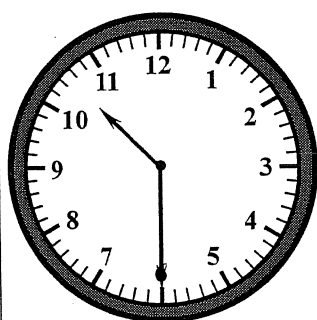


1 mark (41)

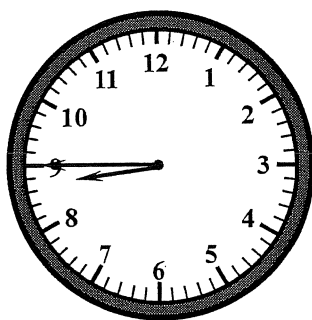
21. The clocks below show the time when Mr. Ho started and finished work on a certain day. Fill in the Working Hours Record Sheet for Mr. Ho using the '24-hour time'.

Morning

Afternoon



Start



Finish

Success Company
Working Hours Record Sheet
Staff: Ho Ka Wa

Start

Finish

:

:

1 mark (42)

1 mark (43)

22. Fill in each of the following blanks with a suitable unit of weight.

(a) A television set weighs about 20 _____.


1 mark (44)

(b) A piece of cake weighs about 150 _____.

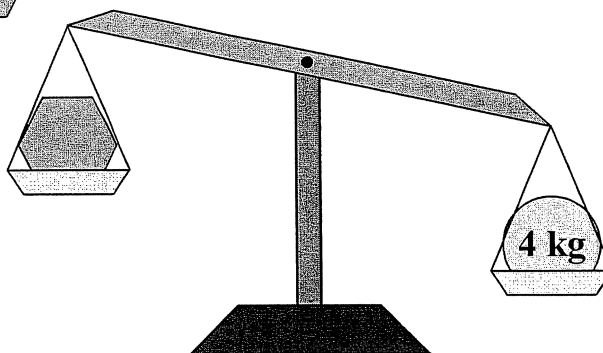
1 mark (45)

(c) A bag of barbecue charcoal weighs about
5 _____.

1 mark (46)

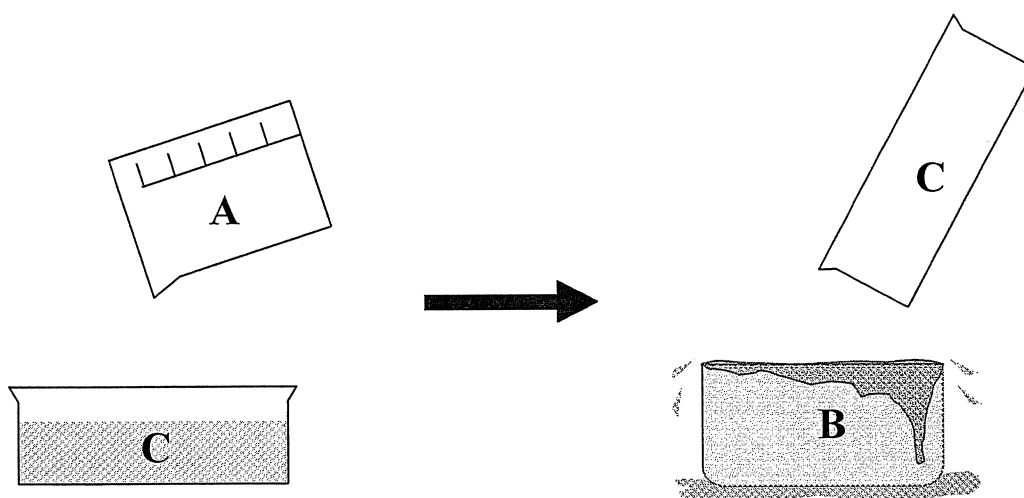
23. The possible weight of  is

- ☐ A. 3 kg
☐ B. 4 kg
☐ C. 5 kg
☐ D. 6 kg



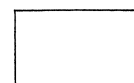
(47)

24.



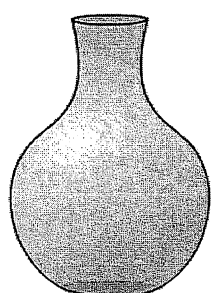
Container A is filled completely with water and all the water is poured into Container C. Then all the water in Container C is poured into Container B (the results are shown in the diagram above). Arrange Containers A, B and C in order, from the largest capacity to the smallest. Write the letters for the answer.

Answer: _____, _____, _____
(Largest) (Smallest)

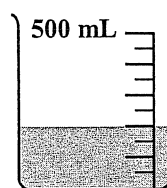
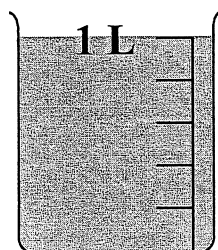


1 mark (48)

25.

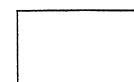


just holds



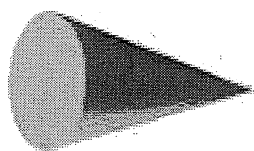
of water.

The capacity of the vase is _____ mL.

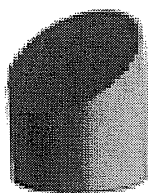


1 mark (49)

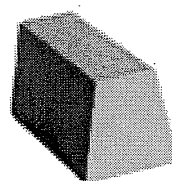
26. Study the following 3-D shapes. Write the letter(s) for the answer.



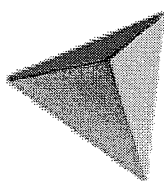
A



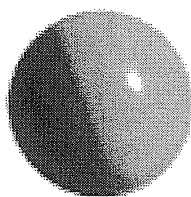
B



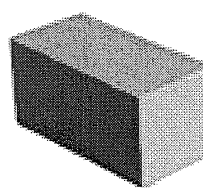
C



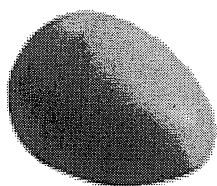
D



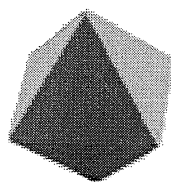
E



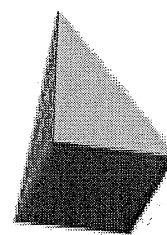
F



G



H



I

(a) Pyramid(s): _____

(b) Cone(s): _____

(c) Prism(s): _____

(d) Sphere(s): _____

1 mark (50)

1 mark (51)

1 mark (52)

1 mark (53)

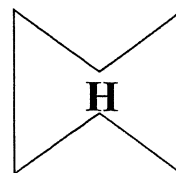
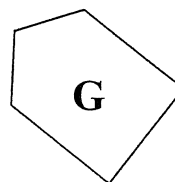
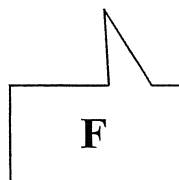
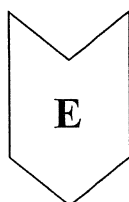
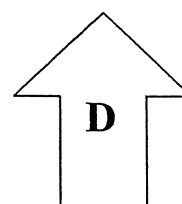
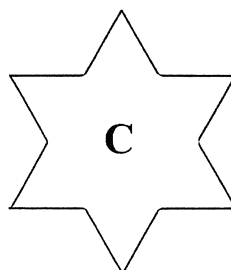
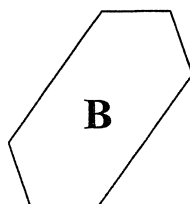
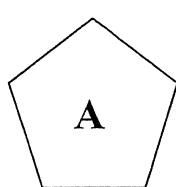
27. Charles stacks up seven \$1 coins. What kind of 3-D shape is the stack of coins?



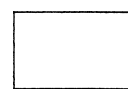
- ☐ A. Pyramid
 ☐ B. Cylinder
☐ C. Prism
 ☐ D. Sphere

(54)

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

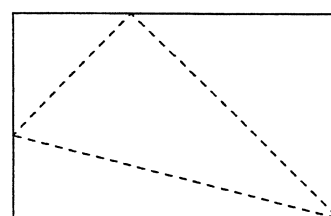


Answer: _____

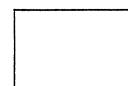


1 mark (55)

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

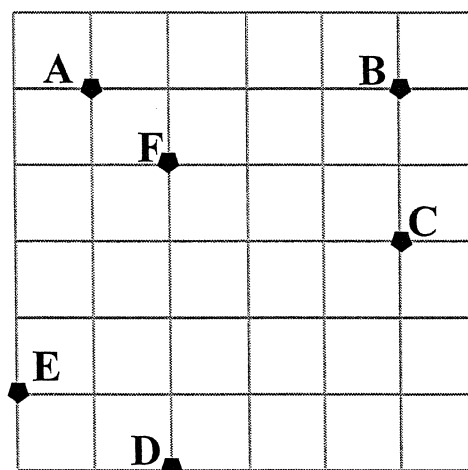


Answer: _____ triangle



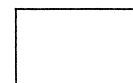
1 mark (56)

30.



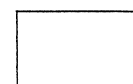
Martin wants to make a right-angled triangle on the above pin-board using an elastic band. Which points on the pin-board should he choose? Write the letters for the answer.

Answer: _____



1 mark (57)

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



1 mark (58)

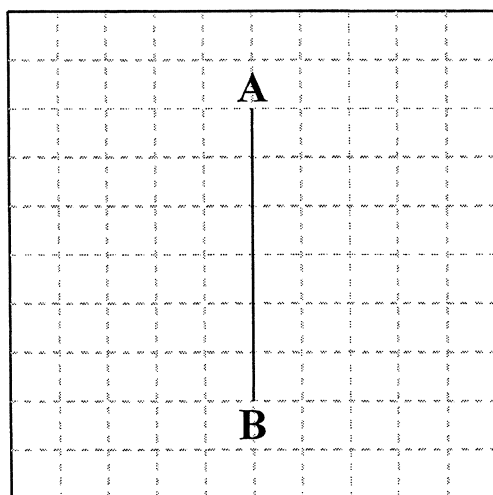


Diagram 1

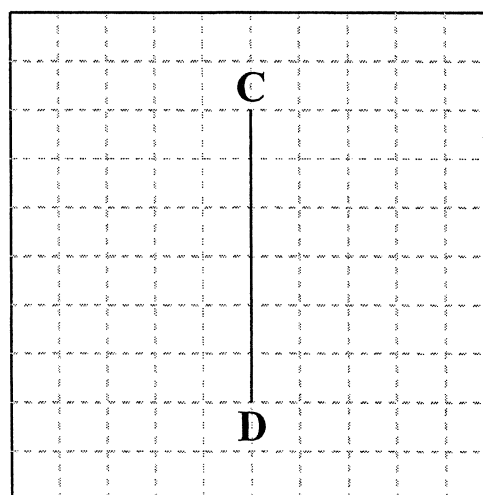
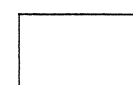


Diagram 2

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



1 mark (59)

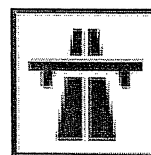
32. The following are some road signs. According to the shape of the road signs, what types of 2-D shapes are they?

(a)



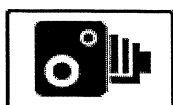
Answer: _____

(b)



Answer: _____

(c)



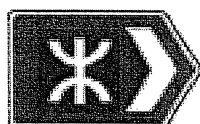
Answer: _____

(d)



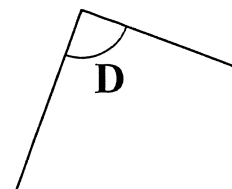
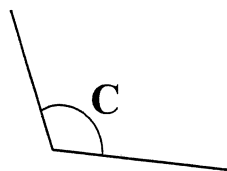
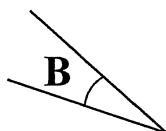
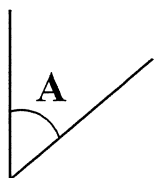
Answer: _____

(e)



Answer: _____

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



Answer: _____, _____, _____, _____
(Smallest) (Largest)

1 mark (60)

1 mark (61)

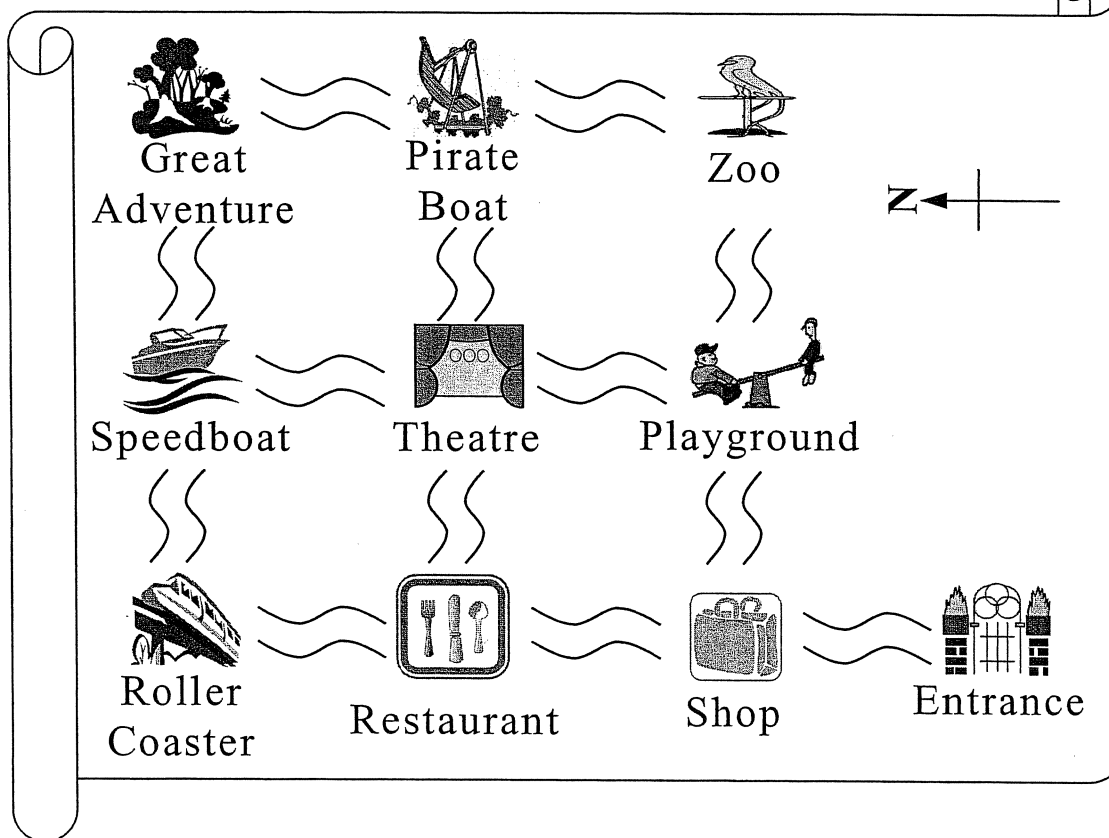
1 mark (62)

1 mark (63)

1 mark (64)

1 mark (65)

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 go _____ to reach the Shop.
(direction)

1 mark (66)

1 mark (67)

1 mark (68)

1 mark (69)

35. 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.

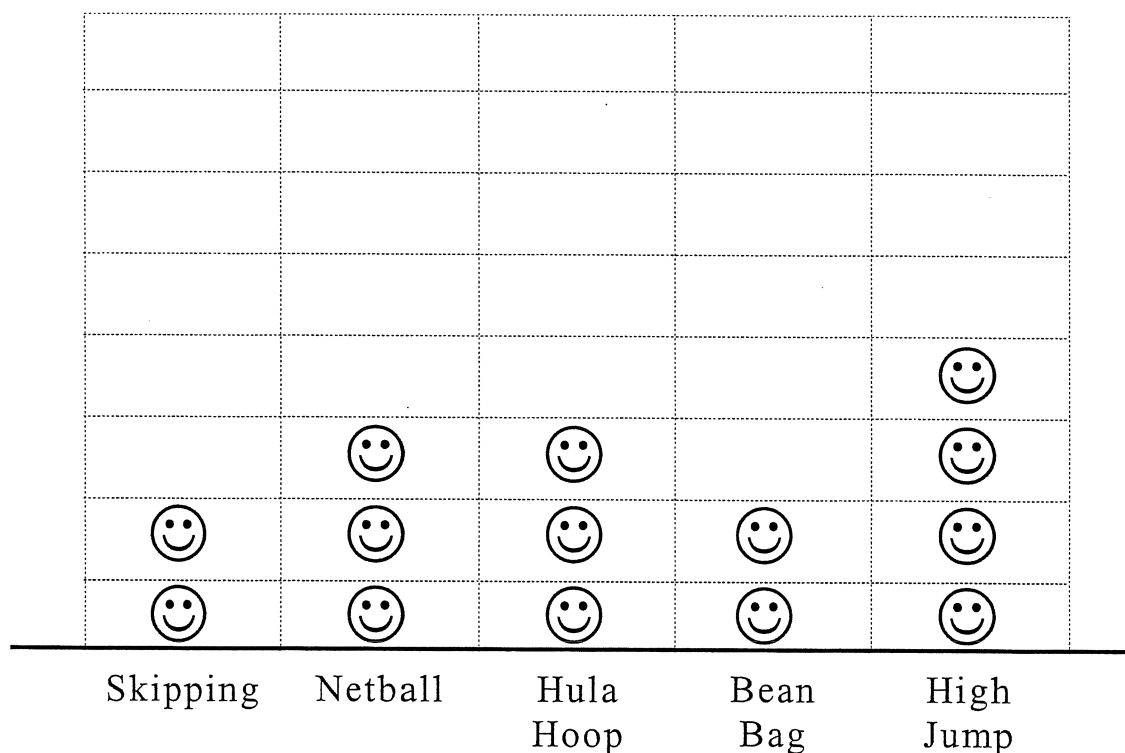
Activities	Skipping	Netball	Hula Hoop	Bean Bag	High Jump
Records					
Number of pupils					

1 mark (70)

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

The Participation of P.3B Pupils on Games Day


Each ☺ represents 1 pupil

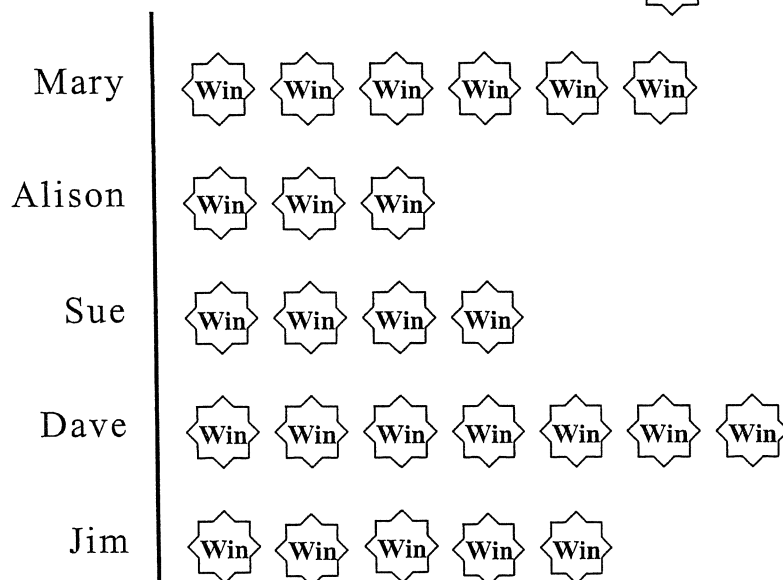


1 mark (71)

36. Five children went to a fun fair. A sticker was given to each winner of a game. The pictogram below shows the number of stickers they got.

Number of Stickers the Five Children Got

Each  represents 1 sticker



- (a) The child who won the greatest number of games got _____ more stickers than the child who won the least number of games.

1 mark (72)

- (b) The children who got 6 stickers or more were given a gift. According to the pictogram above, the child/children who got a gift was/were _____.

1 mark (73)

- (c) If each child could play two more games, the child/children who still had a chance of getting a gift was/were _____.

1 mark (74)

— END OF PAPER —