

Education and Manpower Bureau
Territory-wide System Assessment 2005
Primary 3
Mathematics

Instructions:

1. There are 37 questions in this test.
2. Answer all questions.
3. The time allowed is 45 minutes.
4. Use of calculators is not allowed.
5. Write your answers in this question 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 spaces below.

School Code

--	--	--

(5)

Class

--	--

Class No.

--	--

(11)

1. $204 \times 2 =$ _____

1 mark (12)

2. $607 - 214 =$

☐ A. 383

☐ B. 393

☐ C. 483

☐ D. 493

(13)

3. $136 + (568 - 104) =$ _____

1 mark (14)

4. $122 \times 7 + 108 =$ _____

1 mark (15)

5. Draw beads on the abacus to show the number 62 401.

Ten thousands	Thousands	Hundreds	Tens	Units

1 mark (16)

6. $245 - 45 \times 3 =$

☐ A. 110

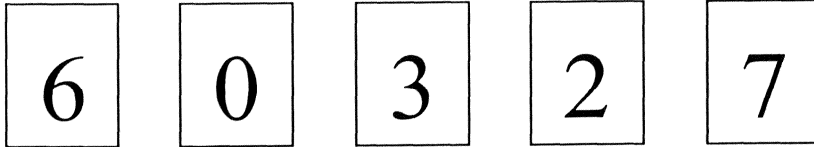
☐ B. 120

☐ C. 380

☐ D. 600

(17)

7.



The largest 5-digit **ODD** number that can be formed with these 5 number cards is :

--	--	--	--	--

1 mark (18)

8. $742 \div 7 =$ _____

1 mark (19)

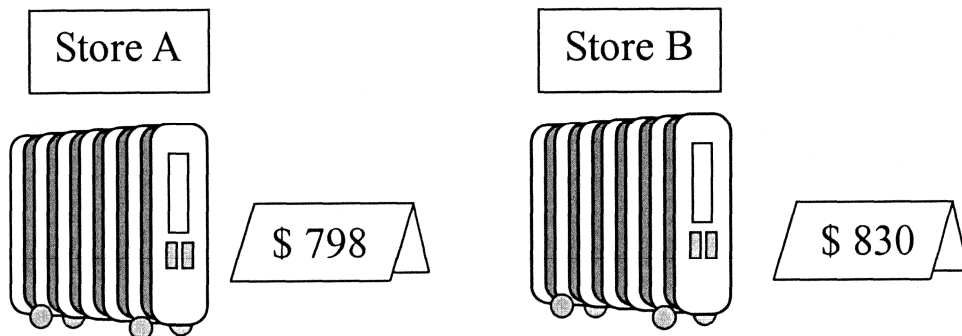
9. $603 \div 5 =$ _____

1 mark (20)

10. $150 + \underline{\hspace{2cm}} = 70 + 150$

1 mark (21)

11.



Father wants to buy a heater. He compares the prices in two stores. A heater of the same model is sold at \$ 798 in Store A and \$ 830 in Store B.

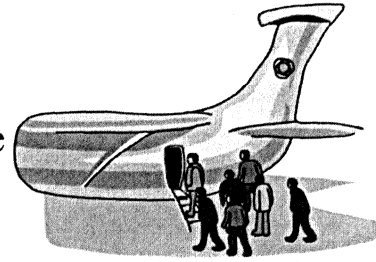
How much is it cheaper in Store A than in Store B?
(Show your working)

1 mark (22)

1 mark (23)

1 mark (24)

12. Safe Airline has 5 flights a day to Beijing. Each flight can carry 284 passengers. How many passengers can Safe Airline carry to Beijing each day at most? (Show your working)



1 mark (25)

1 mark (26)

1 mark (27)

13. ABC Cinema showed the movie “ Kitten’s Adventure” yesterday. There were 6 shows a day and 888 tickets were sold altogether. On average, _____ tickets were sold for each show.

1 mark (28)

14.

There were 133 hill fires this year. This was 91 more than last year.

Altogether, how many hill fires were there in these two years?



- ☐ A. 42
 ☐ B. 175
 ☐ C. 224
 ☐ D. 357

(29)

15. There are 150 parking spaces on 3/F of the building. From 4/F to 8/F, there are 114 parking spaces on **EACH** floor. How many parking spaces are there altogether?

- ☐ A. 264 ☐ B. 570
☐ C. 606 ☐ D. 720

8/F	Parking Spaces
7/F	
6/F	
5/F	
4/F	
3/F	Shops
2/F	
1/F	
G/F	

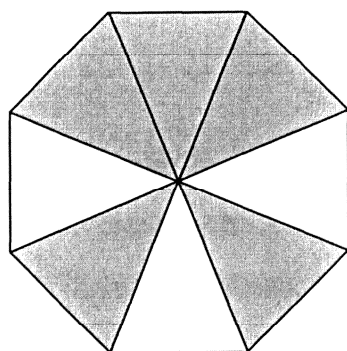
(30)

16. Write down a fraction which is equal to 1.

Answer :

1 mark (31)

17. What fraction of the whole figure is shaded?

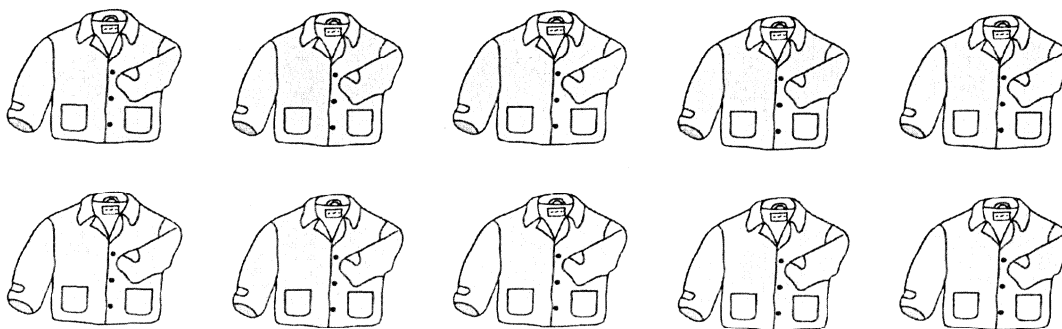


Answer :

of the whole figure is shaded.

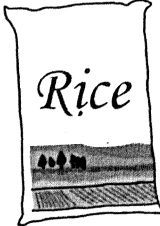
1 mark (32)

18. A shop ordered 10 jackets but only $\frac{2}{5}$ of them were sold. Circle the jacket(s) sold.



1 mark (33)

19. On Sunday, I went shopping in a supermarket with my mother. We bought these two products :



\$ 38.60



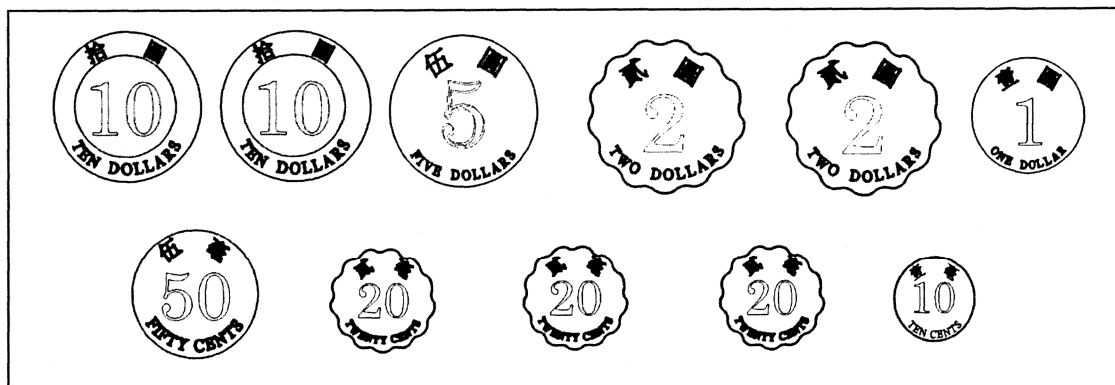
\$ 10.00

(a)  cost _____ dollars and _____ cents.

(b)  cost _____ dollars and _____ cents.

(c) My mother gave the shopkeeper  .

What should the change be? Circle the coins for the answer.



20. Fill in the blanks with suitable units of length.

- (a) The length of a pen is about 15 _____.
- (b) The height of a classroom is about 3 _____.
- (c) The length of a library card is about 9 _____.
- (d) The length of the Cross Harbour Tunnel is about 2 _____.

1 mark (34)

1 mark (35)

1 mark (36)

1 mark (37)

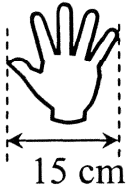
1 mark (38)

1 mark (39)

1 mark (40)

21. Cindy measures the lengths of some furniture with her finger-span. The measurements are:

Furniture	Finger-span 
Sofa	6
Closet	8
Desk	7

Cindy's finger-span is . The length of the shortest piece of furniture is _____ cm.

1 mark (41)

22. This is a torn page of the calendar of July this year.

July						
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				

- (a) Today is 26th July. I will have a basketball match next Tuesday. The date of the match is _____.

1 mark (42)

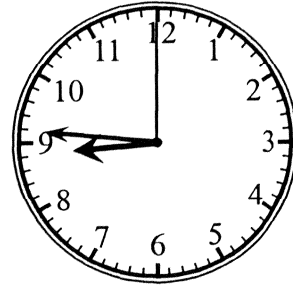
- (b) This year is a common year (normal year).

There are _____ days in the whole year.

1 mark (43)

23. The time is :

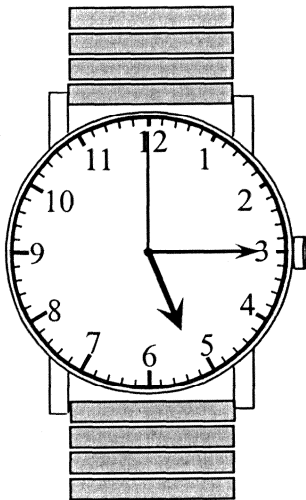
_____ minutes to _____



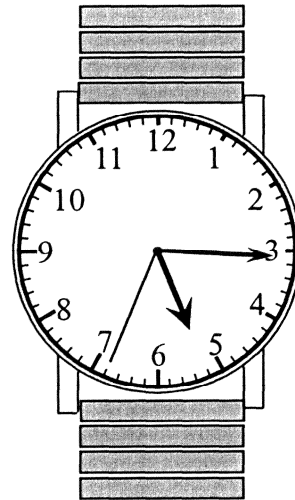
1 mark (44)

24. Tom measured the time that John took to run round the park.

Started



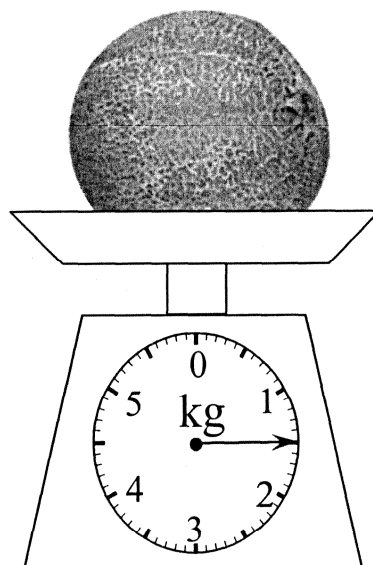
Ended



John took _____ seconds to run round the park.

1 mark (45)

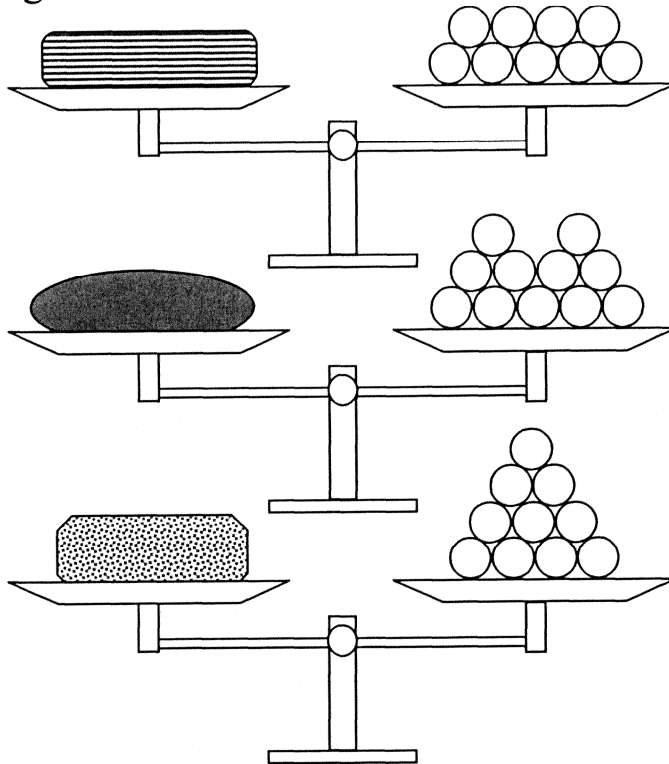
25.



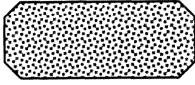
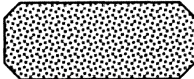
The weight of the melon is _____ g.

1 mark (46)

26. Miss Lee measures the weights of three pencil boxes by using marbles.

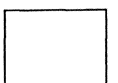
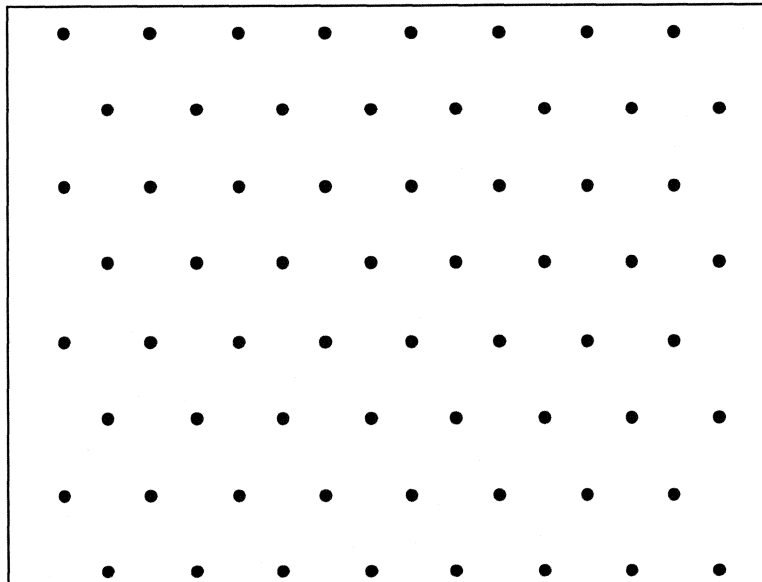


According to the result, which of the following is correct?

- ☐ A.  is the heaviest.
- ☐ B.  is the lightest.
- ☐ C.  is heavier than  by 1 marble.
- ☐ D.  is heavier than  by 2 marbles.

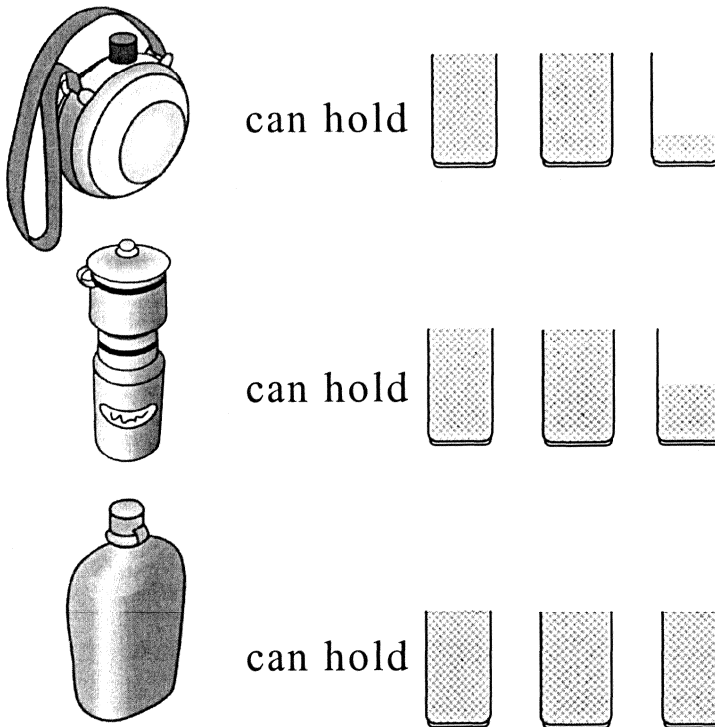
(47)

27. Draw an equilateral triangle below with a ruler.

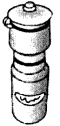
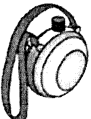


1 mark (48)

28. Adam is comparing the capacities of three water bottles. He fills up the water bottles with water and then pours the water into the glasses.

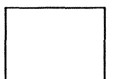
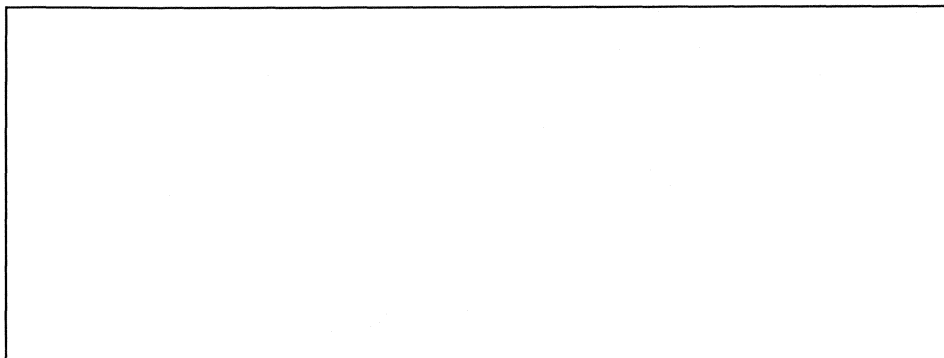


Which of the following sentences is correct ?

- ☐ A. The capacity of  is less than that of  by 1 glass.
- ☐ B. The capacity of  is less than that of .
- ☐ C.  and  can hold 6 glasses of water altogether.
- ☐ D. The capacity of  is the least.

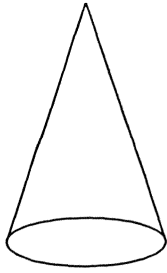
(49)

29. Draw an angle that is larger than a right angle with a ruler.

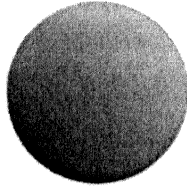


1 mark (50)

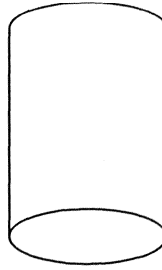
30.



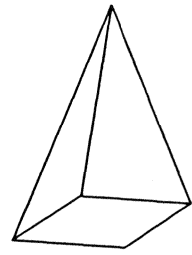
A



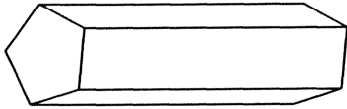
B



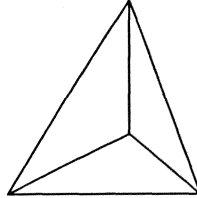
C



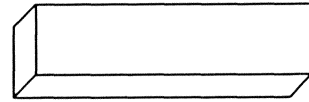
D



E



F



G

Study the above figures and write down the letters for the answers.

(a) Cone: _____

(b) Pyramid: _____

(c) Cylinder: _____

(d) Prism: _____

(e) Sphere: _____

1 mark (51)

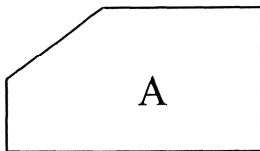
1 mark (52)

1 mark (53)

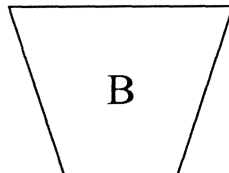
1 mark (54)

1 mark (55)

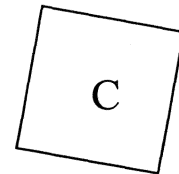
31.



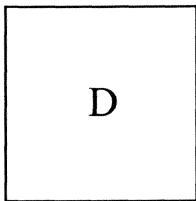
A



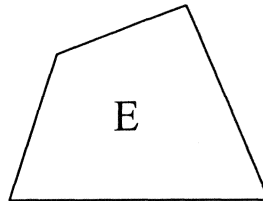
B



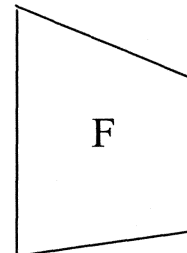
C



D



E



F

(a) Which of the above figures are squares?

Answer : _____

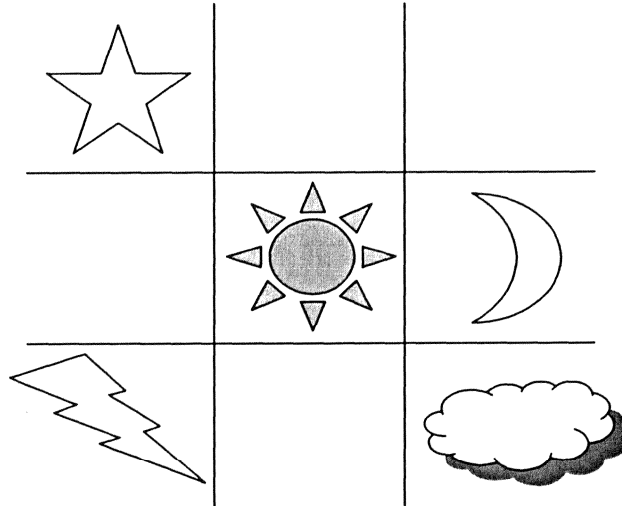
(b) Which of the above figures are trapeziums?

Answer : _____

1 mark (56)

1 mark (57)

32.



Study the above picture and fill in the blanks with “on the left of”, “on the right of”, “above” or “under”.

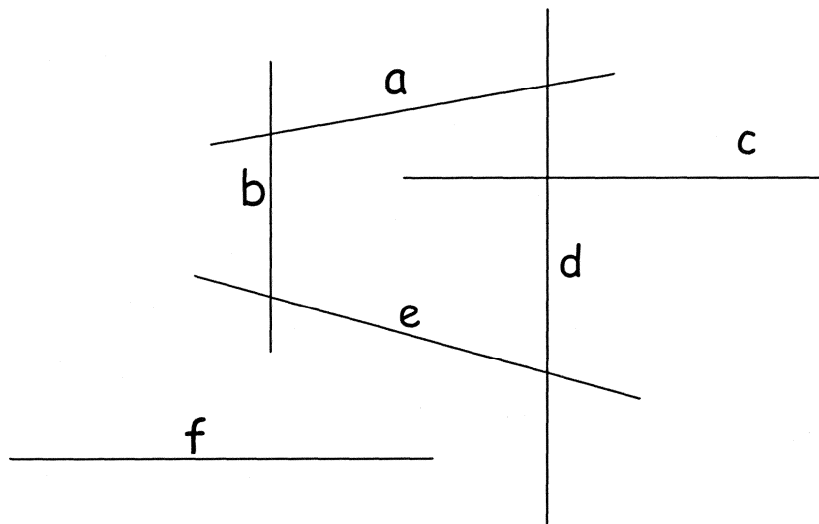
- (a)  is _____  .
- (b)  is _____  .
- (c)  is _____  .

1 mark (58)

1 mark (59)

1 mark (60)

33.



(a) In the diagram above, which line is parallel to Line c?

- ☐ A. Line a ☐ B. Line e ☐ C. Line f ☐ D. Line d

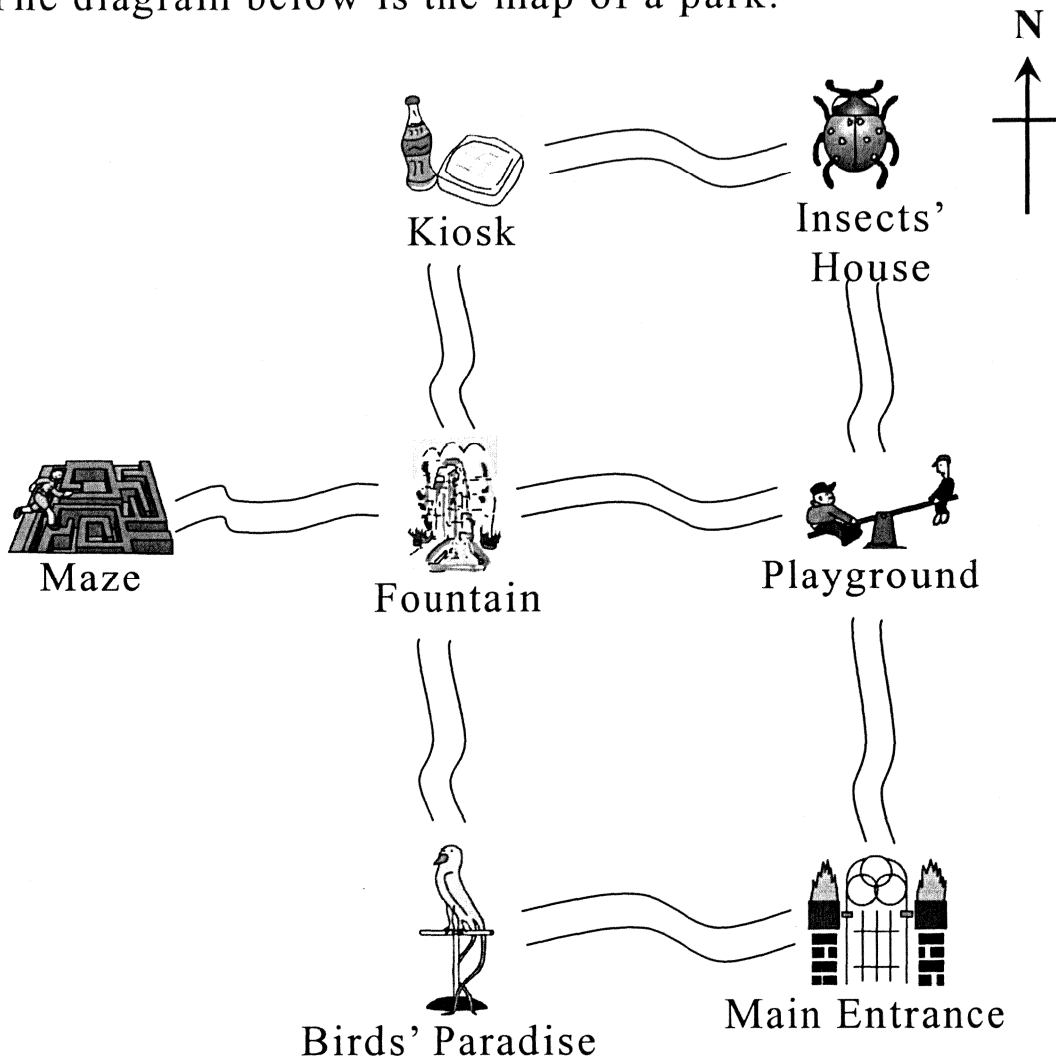
(b) How many pairs of parallel lines are there in the diagram?

- ☐ A. One pair ☐ B. Two pairs
☐ C. Three pairs ☐ D. Four pairs

(61)

(62)

34. The diagram below is the map of a park.



(a) From the Fountain, Fanny went west and came to the _____.

1 mark (63)

(b) After visiting the Insects' House, Bill should go in the direction _____ to reach the Main Entrance.

1 mark (64)

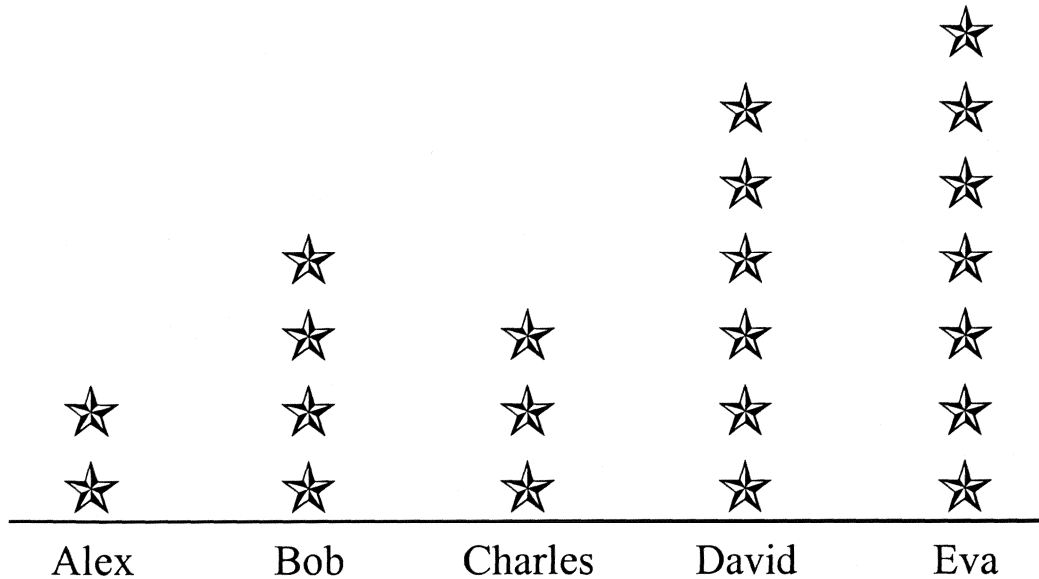
(c) Amy wanted to go from the Playground to the Kiosk. She should first go in the direction _____, passing the _____, then in the direction _____ to reach the Kiosk.

1 mark (65)

35. The teacher awards pupils with a sticker when they get full marks in a dictation. The diagram below shows the number of stickers awarded to the best pupils in the class.

Stickers Awarded to the Best Pupils

1 ★ stands for 1 sticker



- (a) Every pupil who has been awarded 5 stickers will receive a gift. _____ pupils have already received a gift.
- (b) The teacher has given the pupils 8 dictations so far this year. Eva **DID NOT** get full marks in dictation for _____ time(s).
- (c) There will be 2 more dictations in the year. Among Alex, Bob and Charles, who still have (has) the chance to receive a gift?

Answer: _____ still
have (has) the chance to receive a gift.

1 mark (66)

1 mark (67)

1 mark (68)

36. During the Chinese Culture Week held in a school, a teacher introduced some Chinese snacks to her pupils. She did a survey of her P.3C pupils on their favourite Chinese snacks afterwards. The result was:

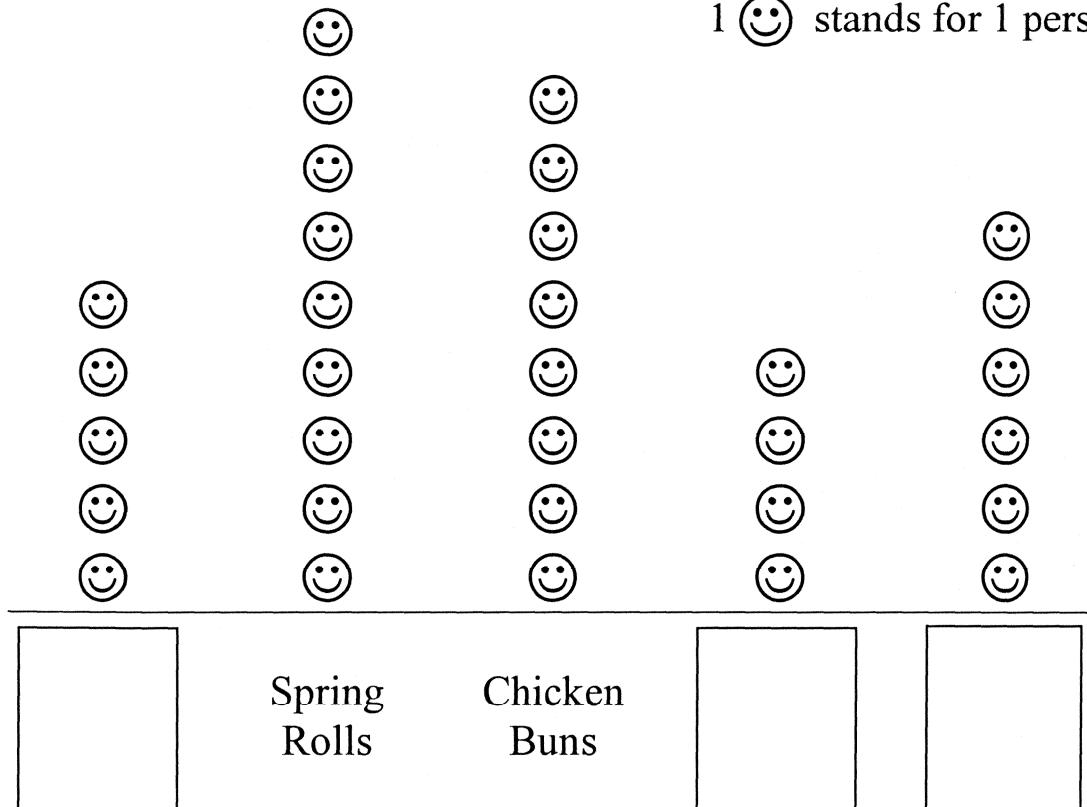
Chinese Snacks	Dumpling	Spring Rolls	Chicken Buns	Turnip Cakes	Peanut Candies
No. of pupils	5	9	8	4	6

According to the result, complete the following pictogram and fill in a title.

(Title)

1 mark (69)

1 ☺ stands for 1 person



1 mark (70)

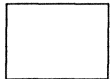
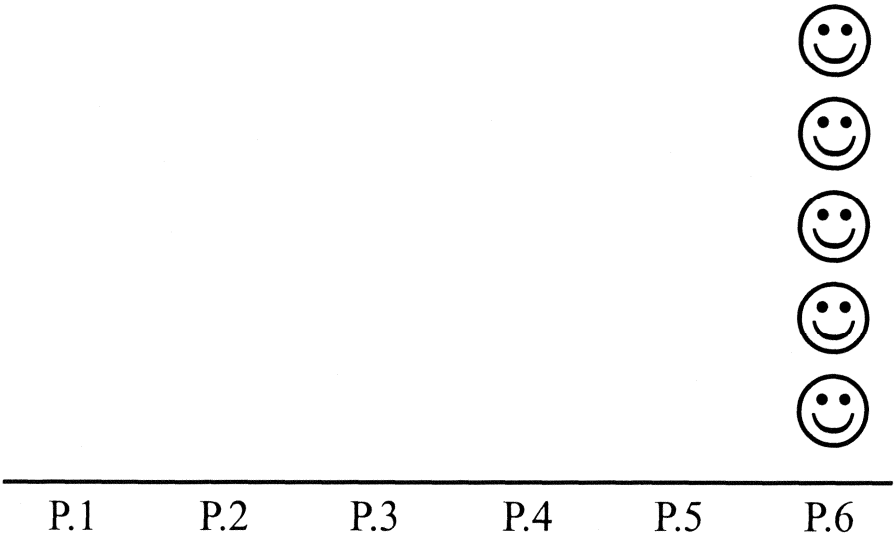
37. There are 19 pupils in the Drama Club of the school. The table below records the number of pupils from each grade.

Grade	P.1	P.2	P.3	P.4	P.5	P.6
Number of pupils						

Use the data to complete the pictogram.

Grades of Pupils in the Drama Club

1 ☺ stands for 1 person



1 mark (71)

END OF PAPER