

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

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(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

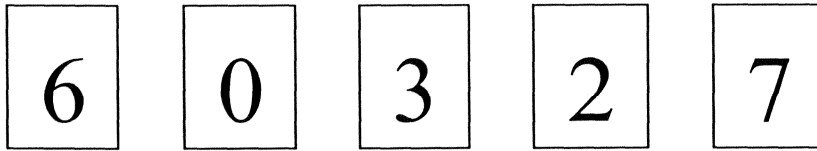
☐ B. 120

☐ C. 380

☐ D. 600

(17)

7.



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

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1 mark (18)

8. $742 \div 7 =$ _____

1 mark (19)

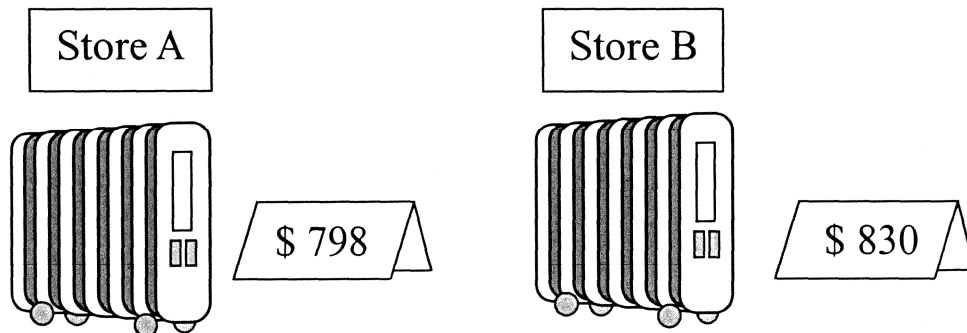
9. $603 \div 5 =$ _____

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.

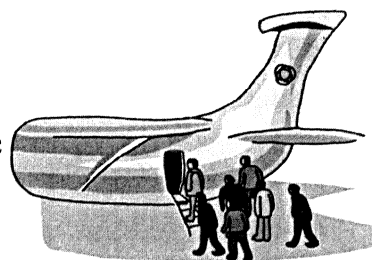
How much is it cheaper in Store A than in Store B?
(Show your working)

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)

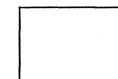
16.

Amy Photo Services

Photo Prints : \$ 1.20 each

Bill has his photographs printed at Amy Photo Services.
To print 8 photographs, he has to pay

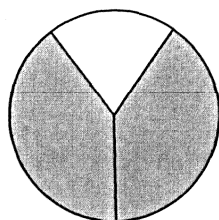
_____ dollars and _____ cents.



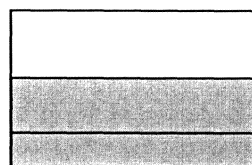
1 mark (31)

17. Which of the following figures is $\frac{2}{3}$ shaded?

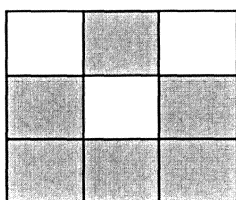
☐ A.



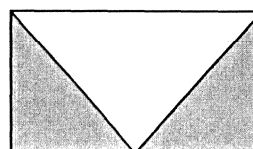
☐ B.



☐ C.



☐ D.



(32)

18. Father bought a cake. I ate $\frac{1}{10}$ of it, Brother ate $\frac{4}{10}$,
Mother ate $\frac{2}{10}$ and Father ate $\frac{3}{10}$. Who ate the most?

☐ A. Father ☐ B. Mother ☐ C. Brother ☐ D. I

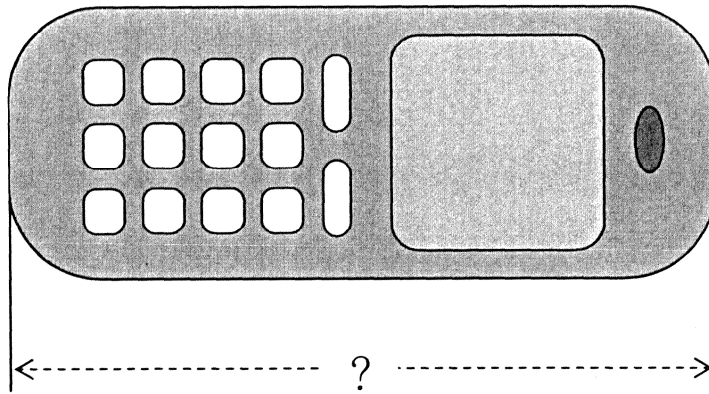
(33)

19. Which of the following fractions is equal to 1?

☐ A. $\frac{1}{4}$ ☐ B. $\frac{5}{5}$ ☐ C. $\frac{8}{9}$ ☐ D. $\frac{9}{10}$

(34)

20. Use a ruler to measure the length of the mobile phone.



Answer: The length of the mobile phone is
_____ mm.

1 mark (35)

21. A shopkeeper went to a bank for changes. He gave

(a)  to exchange for _____ ,

1 mark (36)

(b)   to exchange
for _____  and

1 mark (37)

(c)  to exchange for _____ .

1 mark (38)

22. A worker wants to measure the height of a room. Which of the following measuring instruments is the most suitable?



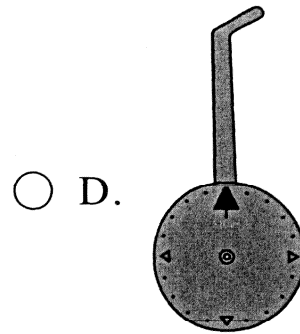
Ruler



Measuring Tape



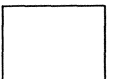
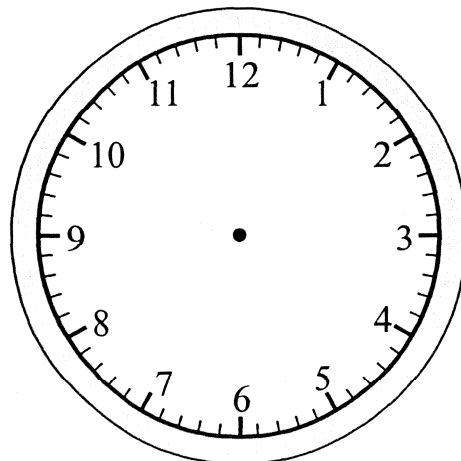
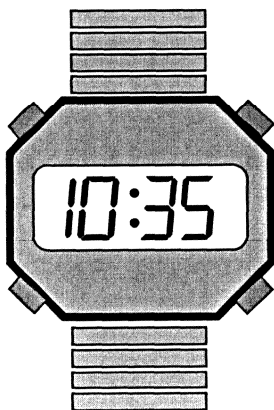
Finger-span



Trundle Wheel

(39)

23. After changing the battery of the clock, Peter has to reset the time. According to the time shown on his watch, draw the hour hand and the minute hand on the clock face.

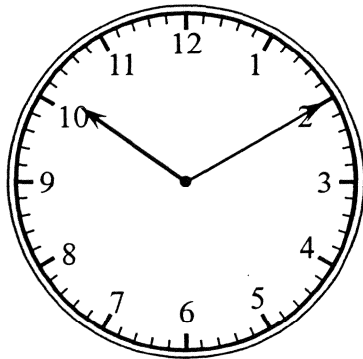


1 mark (40)

24. This is Tim's examination time-table for today.

Date	26 th April
Time	Tuesday
8:00---8:30	Revision
8:30---9:45	Chinese
9:45---10:00	Recess
10:00---11:15	Mathematics
11:15	End of School Day

During the Mathematics examination, Tim looked at the time.

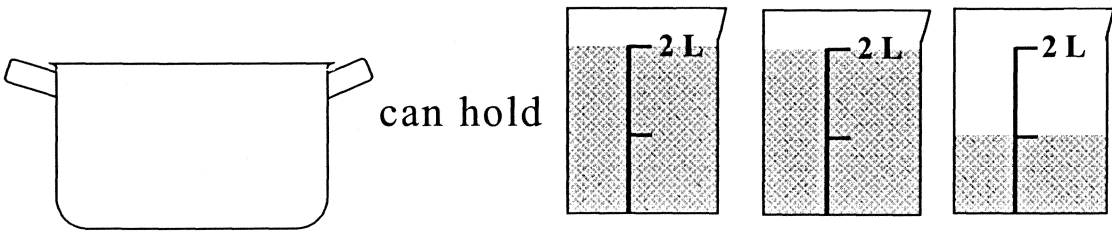


How much time was left before the school ended?

Answer : _____ hour(s) and _____ minute(s).

1 mark (41)

25.

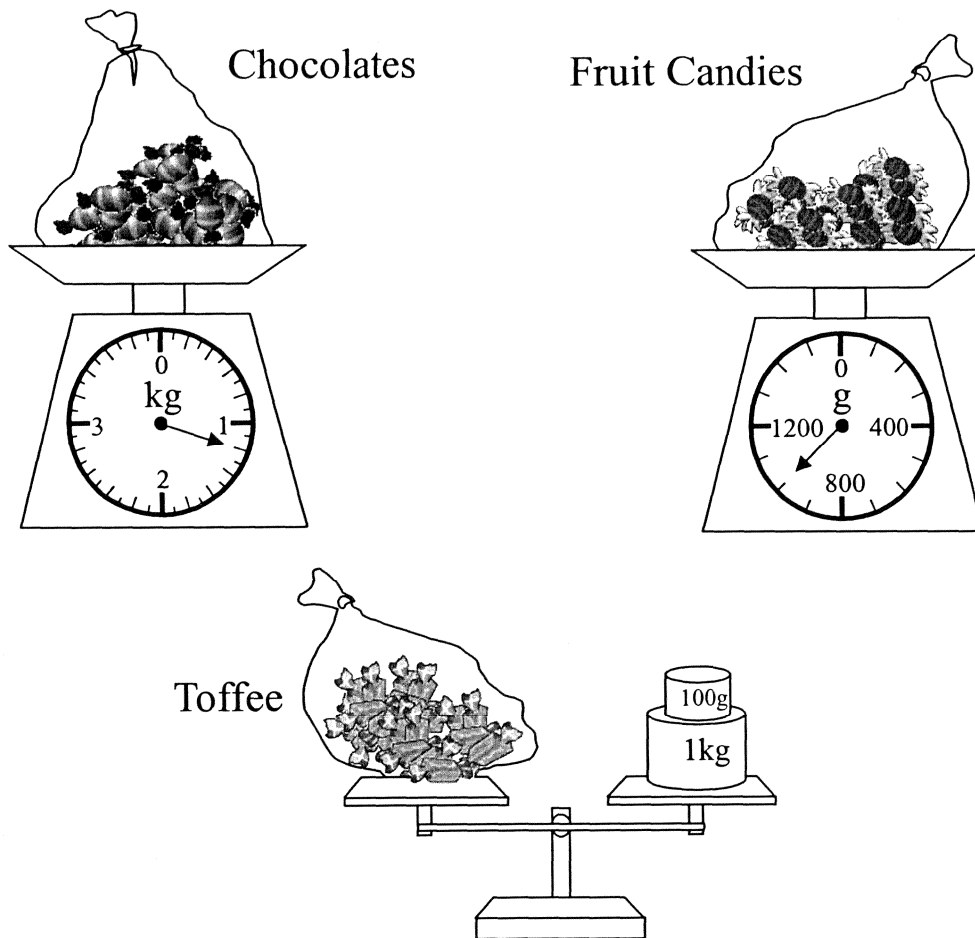


Pot

The capacity of the pot is _____ litres.

1 mark (42)

26.



(a) The weight of the bag of fruit candies is _____ g.

1 mark (43)

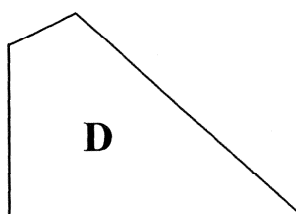
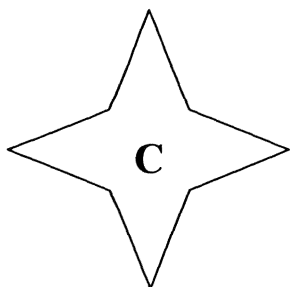
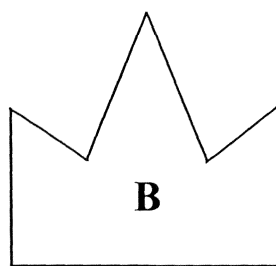
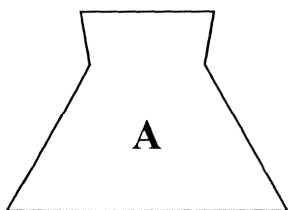
(b) _____ is the heaviest bag of sweets.

1 mark (44)

(c) The difference in weight between the heaviest bag and the lightest bag is _____ g.

1 mark (45)

27.



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

(a) Figure(s) made up of equal sides .

Answer : _____

(b) Figure(s) with two right angles.

Answer : _____

(c) Figure(s) with only one pair of parallel lines.

Answer : _____

1 mark (46)

1 mark (47)

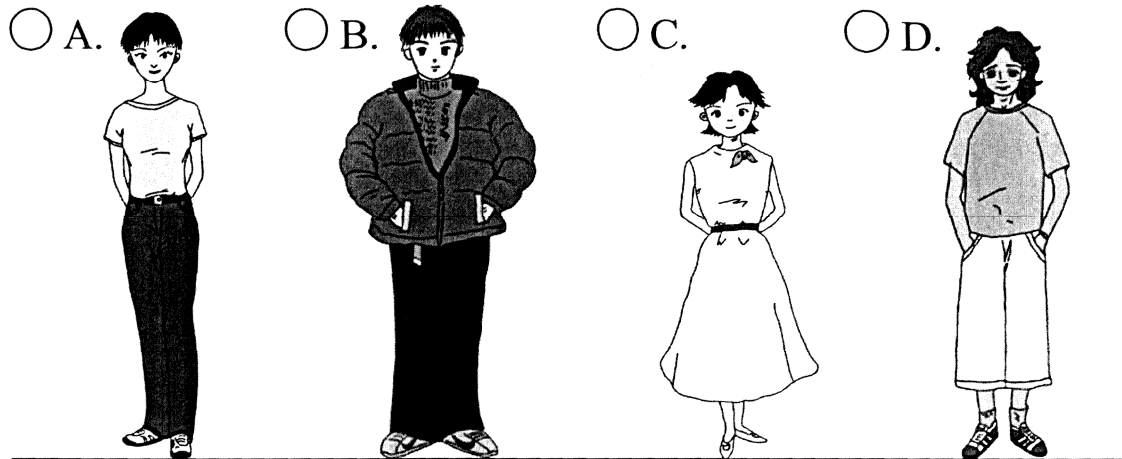
2 marks (48)

28. Yesterday, there was a robbery. According to the police information, find the robber.

?

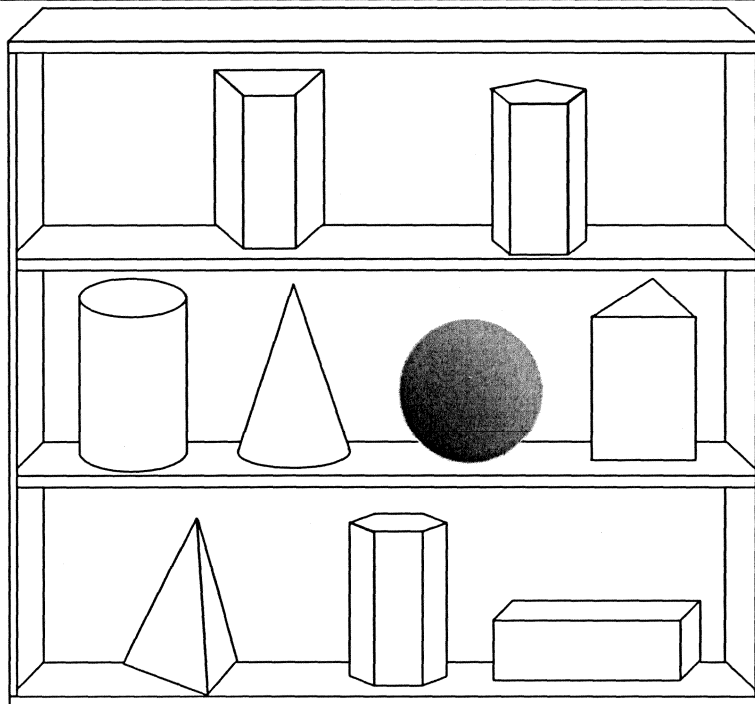
Wanted

1. Tall
2. With short hair
3. Wearing thin clothes



(49)

29.



(a) Which 3-D shape is on the right of the sphere? Put a “✓” on this shape in the above diagram.

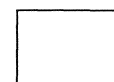
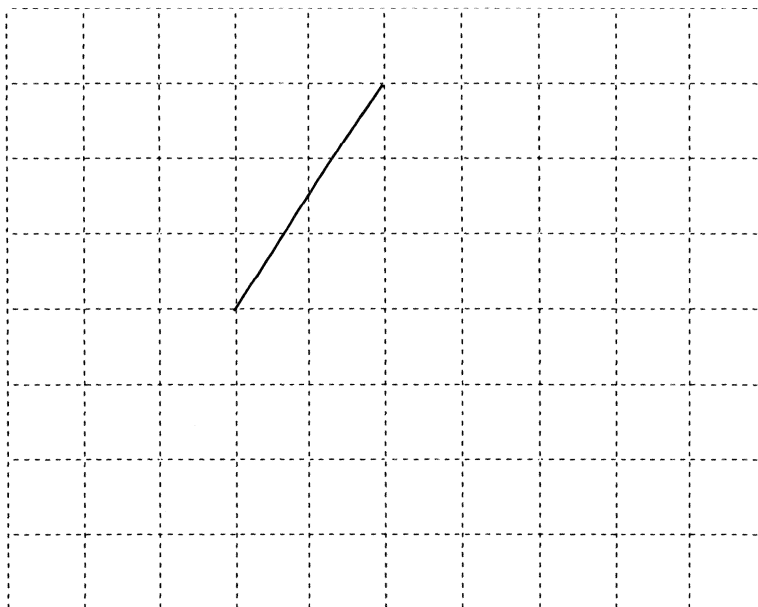
(b) How many 3-D shapes are there on the bottom shelf?

Answer: There are _____ 3-D shapes.

1 mark (50)

1 mark (51)

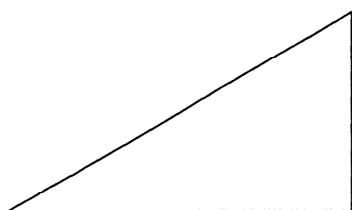
30. In the figure below, add three straight lines to make a rhombus.



1 mark (52)

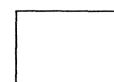
31. Name the following triangles.

(a)



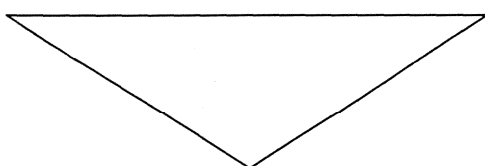
Answer:

_____ triangle



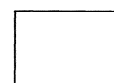
1 mark (53)

(b)



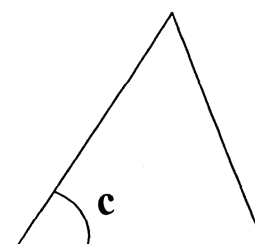
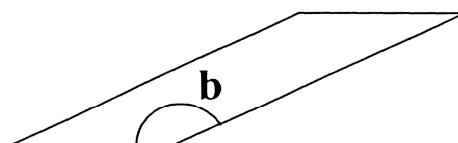
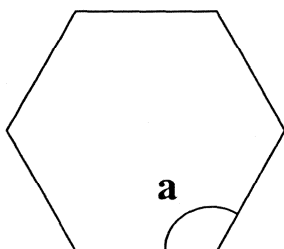
Answer:

_____ triangle

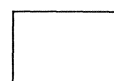


1 mark (54)

32. Arrange the angles a, b and c in order, from the largest to the smallest.

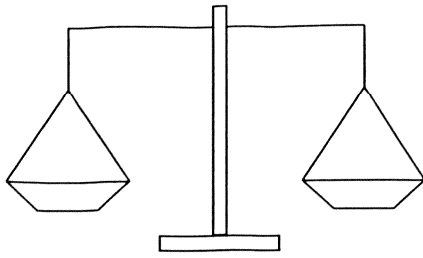


Answer : _____ , _____ , _____
(The largest) (The smallest)

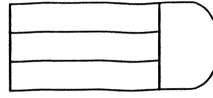


1 mark (55)

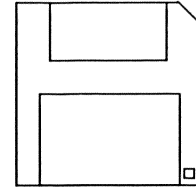
33.



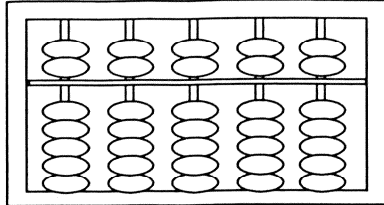
A



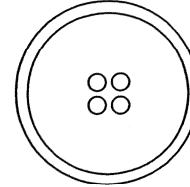
B



C



D



E

Study the above figures and fill in the letters for the answers.

(a) The figure(s) _____ is(are) made up of straight lines only.

(b) The figure(s) _____ is(are) made up of curves only.

(c) The figure(s) _____ is(are) made up of straight lines and curves.

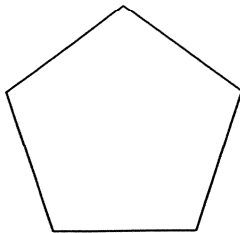
2 marks (56)

1 mark (57)

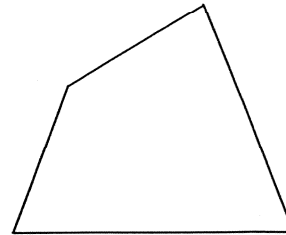
2 marks (58)

34. Name the following figures.

(a)



(b)



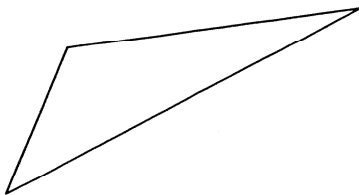
Answer: _____

Answer: _____

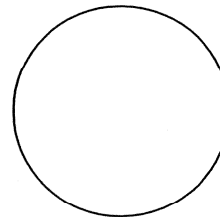
1 mark (59)

1 mark (60)

(c)



(d)



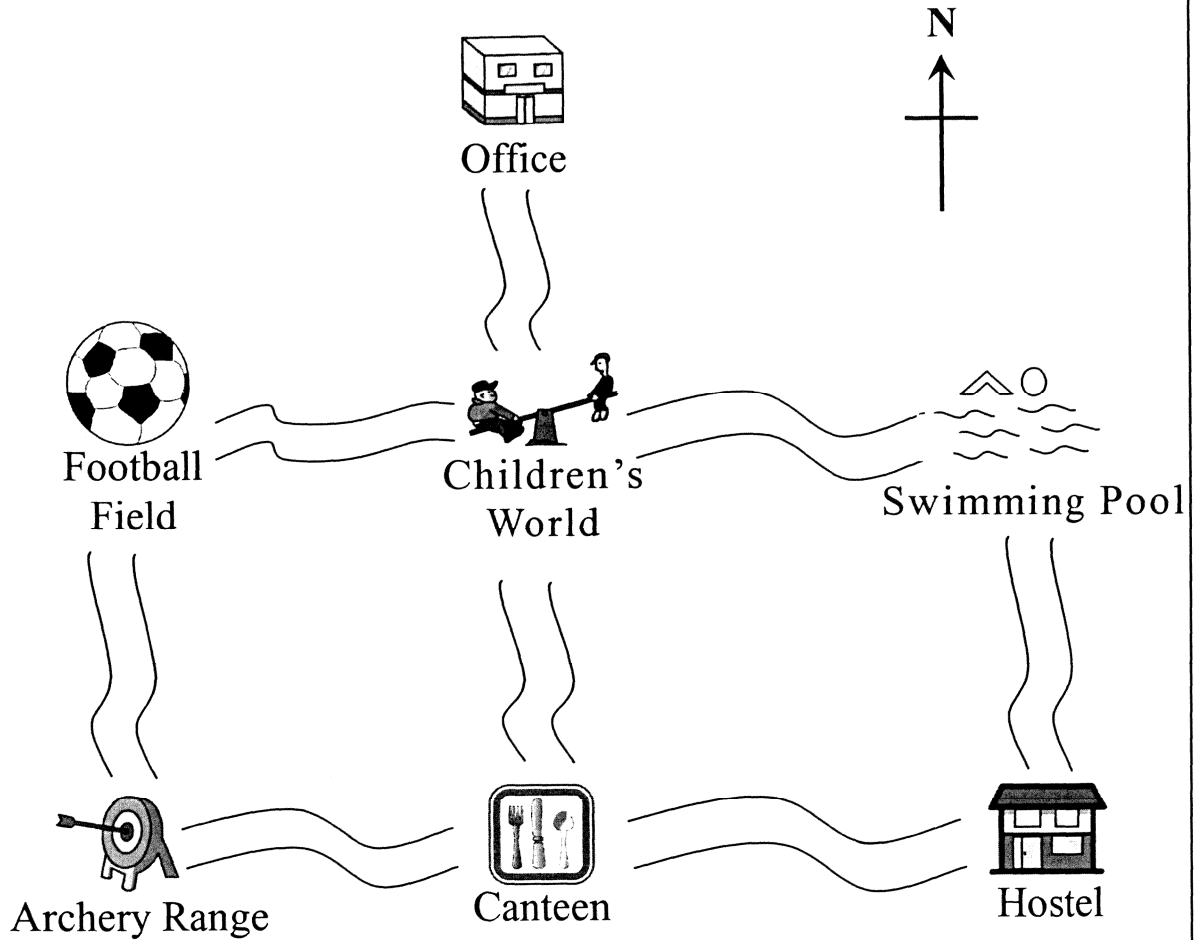
Answer: _____

Answer: _____

1 mark (61)

1 mark (62)

35. The following diagram is the map of a holiday camp.



(a) If we go south from the Office and turn west at the Children's World, we come to the _____.

1 mark (63)

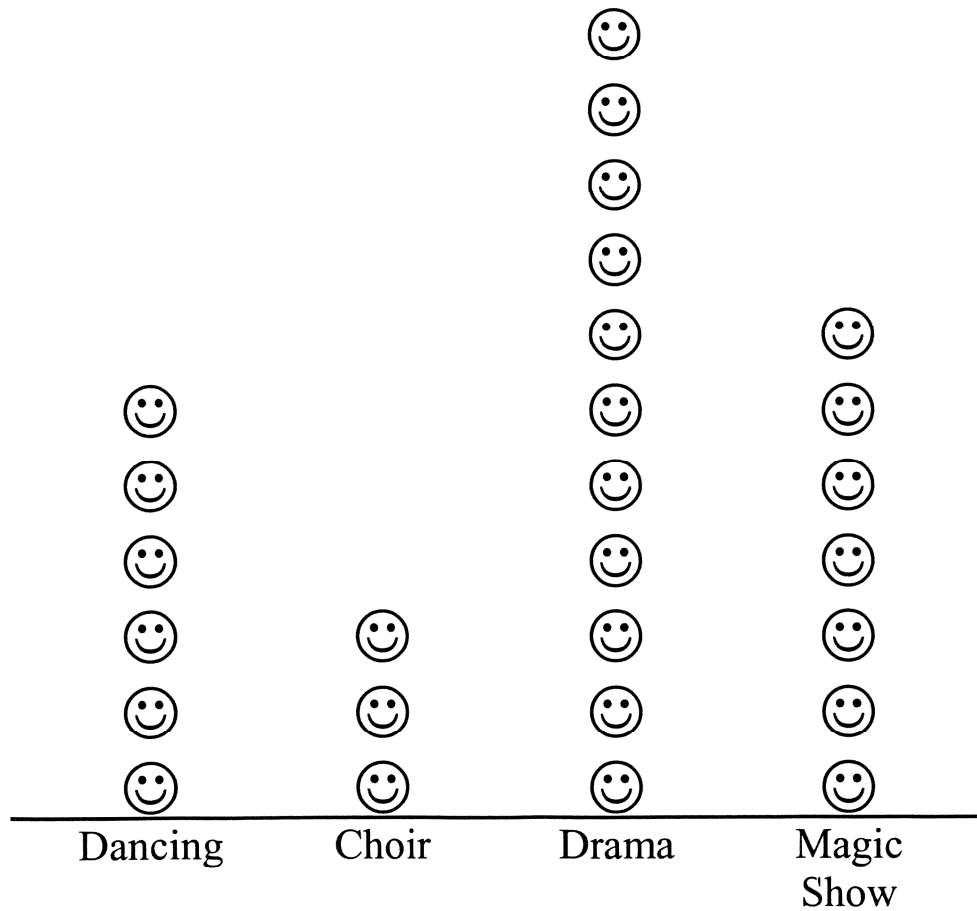
(b) After having breakfast in the Canteen, we want to go to the Swimming Pool. We should first go in the direction _____, passing the _____, and then go in the direction _____ to reach the Swimming Pool.

1 mark (64)

36. My school is holding a Christmas Party. Each class will perform a program. Pupils of P.3C made four suggestions. Their classmates were asked to decide on what program to perform by one-person-one-vote. The result was:

Choice of Christmas Party Program for P.3C

One ☺ stands for 1 person



- (a) According to the result of the voting, P.3C would perform _____ in the Christmas Party.
- (b) If 4 pupils did not vote, the total number of pupils in P.3C was _____ .

1 mark (65)

1 mark (66)

37. A teacher counted the number of pupils who won prizes in a Primary 3 Mathematics Quiz. This is the record:

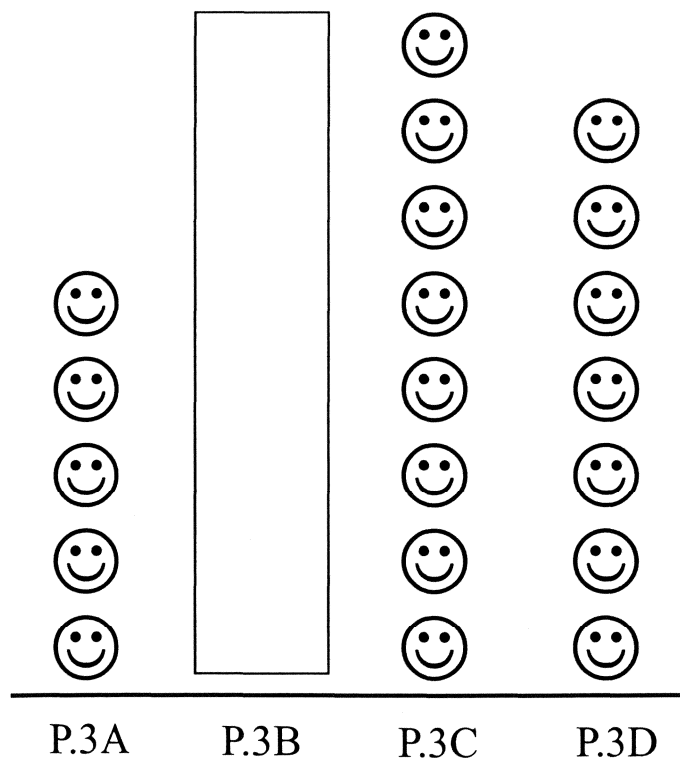
Class	P.3A	P.3B	P.3C	P.3D
Number of pupils	5	4	8	7

According to the record, complete the following pictogram by filling in the 2 boxes.

Prize Winners in the Primary 3 Mathematics Quiz

One ☺ stands for person

1 mark (67)



1 mark (68)

END OF PAPER