

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

Instructions:

1. There are 36 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				Class			Class No.		
	(5)				(11)				

1. $238 + 167 =$

- ☐ A. 495 ☐ B. 405 ☐ C. 395 ☐ D. 305

(12)

2. $968 \times 4 =$

- ☐ A. 3642 ☐ B. 3672 ☐ C. 3842 ☐ D. 3872

(13)

3. $32 \times 4 \times 3 =$ _____

1 mark (14)

4. $458 - 396 =$ _____

1 mark (15)

5. $750 - 310 - 321 =$ _____

1 mark (16)

6. $880 \div 4 =$ _____

1 mark (17)

7. Use short division to calculate $639 \div 3$.

$$\begin{array}{r} 3 \overline{)639} \end{array}$$

1 mark (18)

8. $675 - (326 + 147) =$ _____

1 mark (19)

9. $236 \times 2 - 267 =$ _____

1 mark (20)

10. Mother wants to go to Europe for holidays. She has got the prices from 3 travel agencies.

<i>Safe Travel Co.</i>	<i>Comfort Travel Co.</i>	<i>Happy Travel Co.</i>
Europe Tour	Europe Tour	Europe Tour
\$11 090	\$11 900	\$12 080

- (a) Write down **IN WORDS** the price at Happy Travel Co.

Answer: _____ dollars.

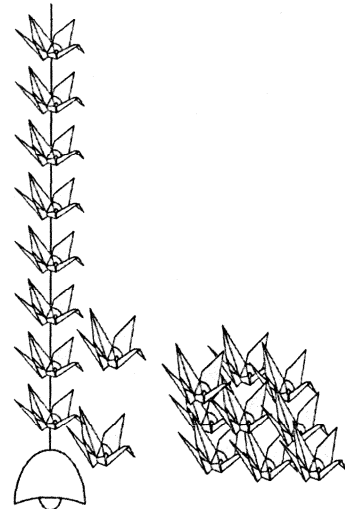
1 mark (21)

- (b) Which travel agency is the cheapest?

Answer: The cheapest travel agency is
_____ Travel Co.

1 mark (22)

11. We are going to visit an elderly home next week. We make some wind-bells for the elderly. Each wind-bell is made up of 8 paper birds. We have folded 362 paper birds. How many wind-bells can we make at most?



(Show your working)

1 mark (23)

1 mark (24)

1 mark (25)

12.



Trousers
\$ 105



Blazer
\$ 196



Shirt
\$ 75



School tie
\$ 24

Mother and Kenny go shopping for school uniform.
They buy a pair of trousers, a blazer and a shirt.
How much do they pay?
(Show your working)

1 mark (26)

1 mark (27)

1 mark (28)

13. The table below shows the places where the workers of an airline company come from :

Place	From Hong Kong	From Singapore	From Thailand
No. of workers	235	141	394

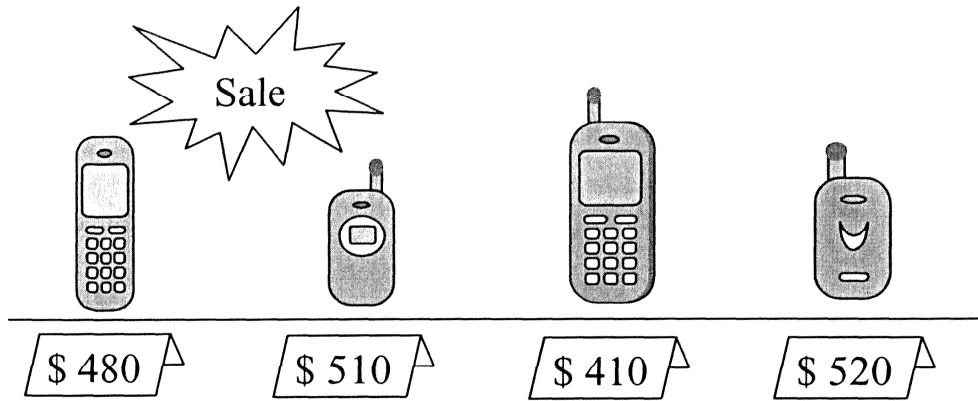
How many more workers are there from overseas than from Hong Kong?
(Show your working)

1 mark (29)

1 mark (30)

1 mark (31)

14.



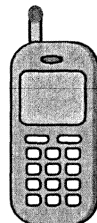
Grandpa and Grandma each want to buy their mobile phones. They only have \$900. Grandma chooses . Which one can Grandpa choose?



☐ A.



☐ B.



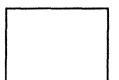
☐ C.



☐ D.

(32)

15. The Inter-school Singing Contest will be held in the hall. The hall has 750 seats. 6 teams are taking part in the Contest. 70 seats are reserved for each team. The rest of the seats are left for parents. There are altogether _____ seats left for parents.



1 mark (33)

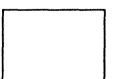
16.

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

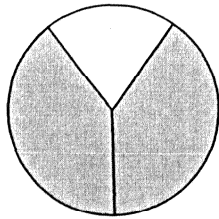
_____ dollars and _____ cents.



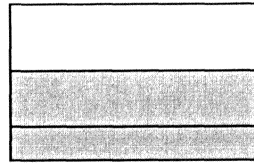
1 mark (34)

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

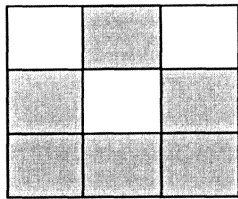
☐ A.



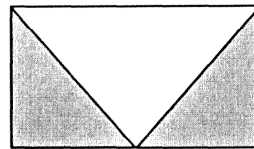
☐ B.



☐ C.



☐ D.



(35)

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

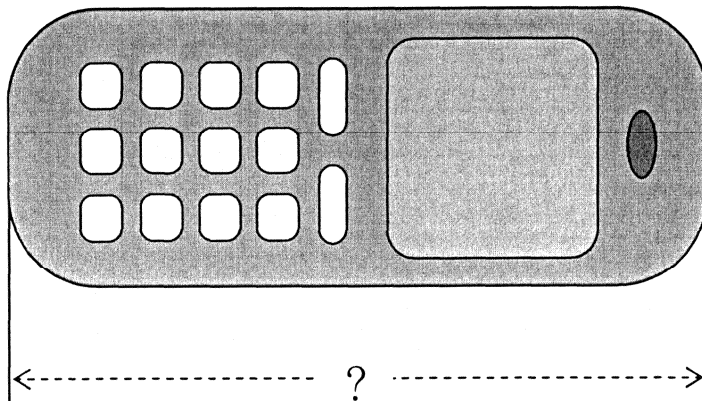
(36)

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

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

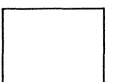
(37)

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



Answer: The length of the mobile phone is

_____ mm.



1 mark (38)

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

(a)  to exchange for _____ ,

1 mark (39)

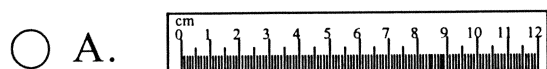
(b)   to exchange
for _____  and

1 mark (40)

(c)  to exchange for _____ .

1 mark (41)

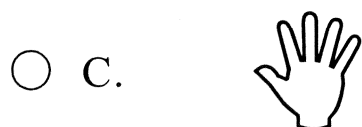
22. A worker wants to measure the height of a room. Which of the following measuring instruments is the most suitable?



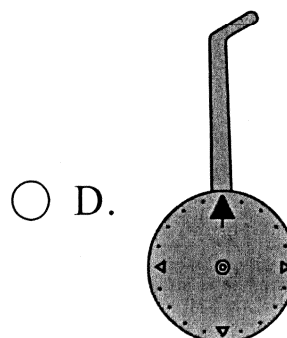
Ruler



Measuring Tape



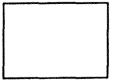
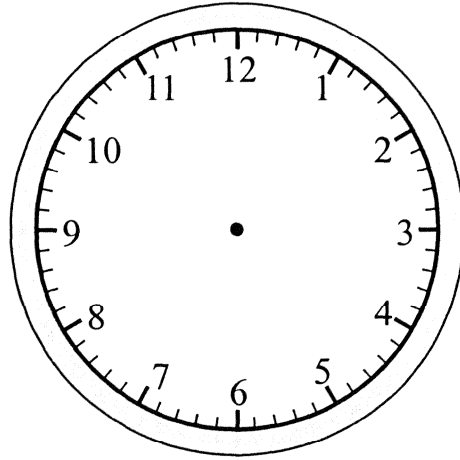
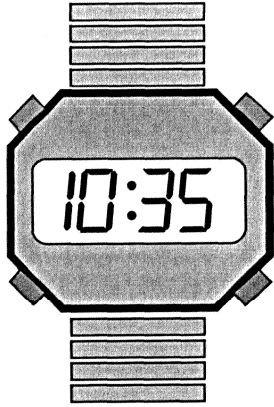
Finger-span



Trundle Wheel

(42)

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.

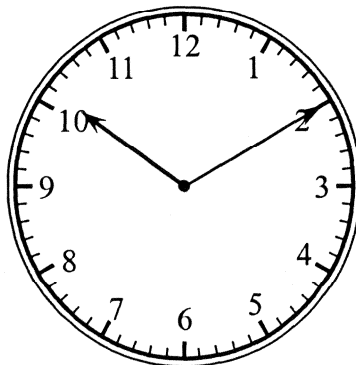


1 mark (43)

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

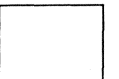
Date	26 th April
Time	Tuesday
8:00---8:30	Revision
8:30---9:45	Chinese
9:45---10:00	Recess
10:00---11:15	Mathematics
11:15	End of School Day

During the Mathematics examination, Tim looked at the time.



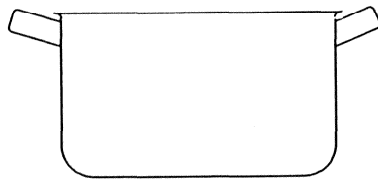
How much time was left before the school ended?

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



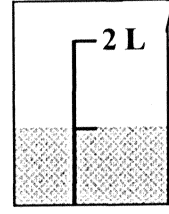
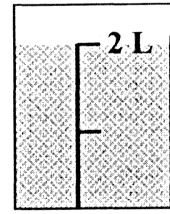
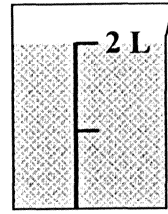
1 mark (44)

25.

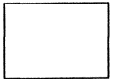


Pot

can hold

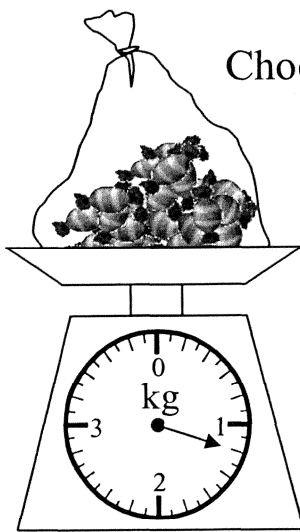


The capacity of the pot is _____ litres.



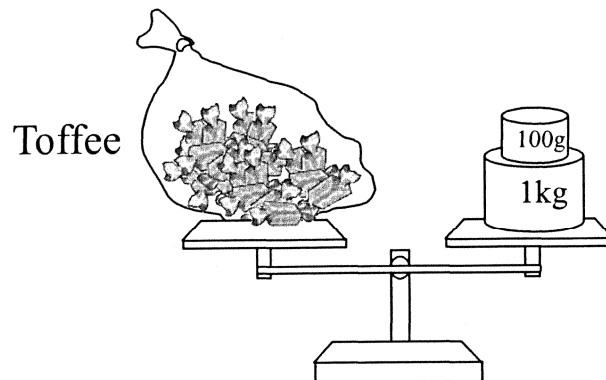
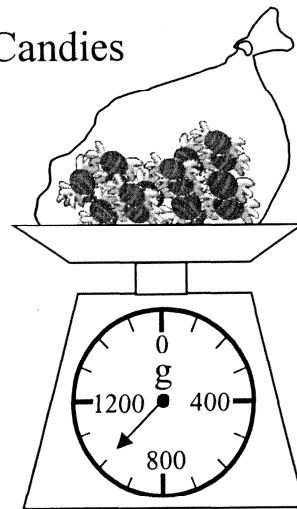
1 mark (45)

26.



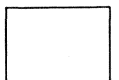
Chocolates

Fruit Candies



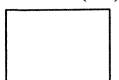
Toffee

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



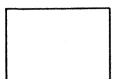
1 mark (46)

(b) _____ is the heaviest bag of sweets.



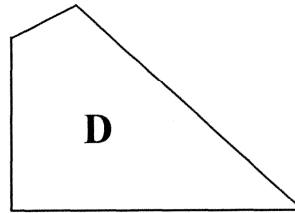
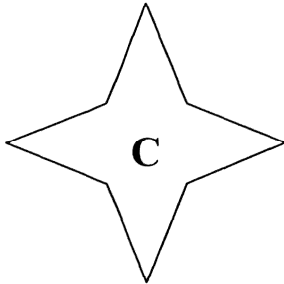
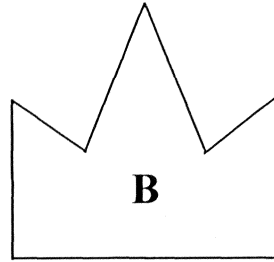
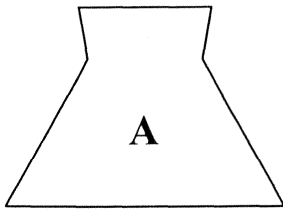
1 mark (47)

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



1 mark (48)

27.



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

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

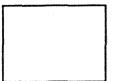
Answer : _____

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

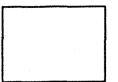
Answer : _____

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

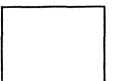
Answer : _____



1 mark (49)



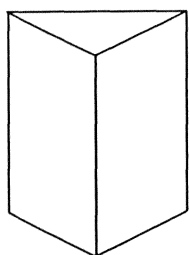
1 mark (50)



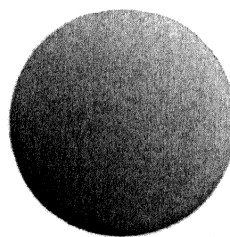
2 marks (51)

28. Name the following 3-D shapes.

(a)



(b)



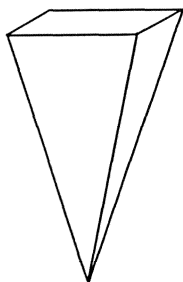
Answer: _____

Answer: _____

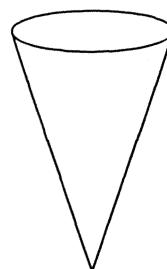
1 mark (52)

1 mark (53)

(c)



(d)



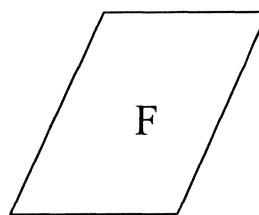
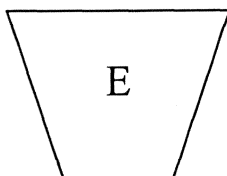
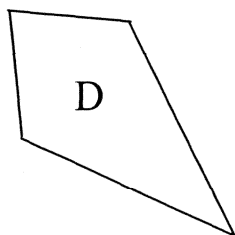
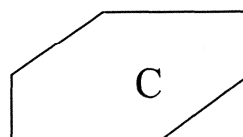
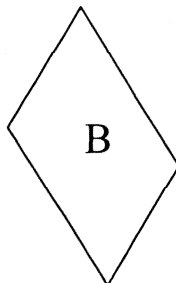
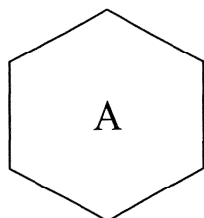
Answer: _____

Answer: _____

1 mark (54)

1 mark (55)

29.



(a) Which of the above figures are hexagons?

Answer : _____

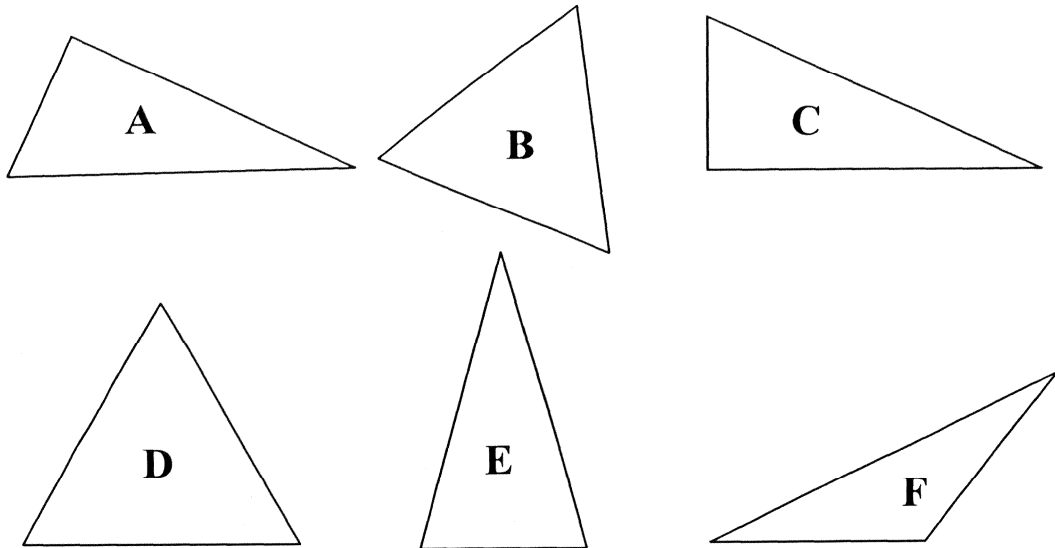
(b) Which of the above figures are parallelograms?

Answer : _____

2 marks (56)

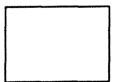
2 marks (57)

30.



(a) Which of the above figures are right-angled triangles?

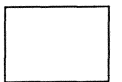
Answer : _____



2 marks (58)

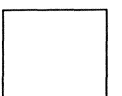
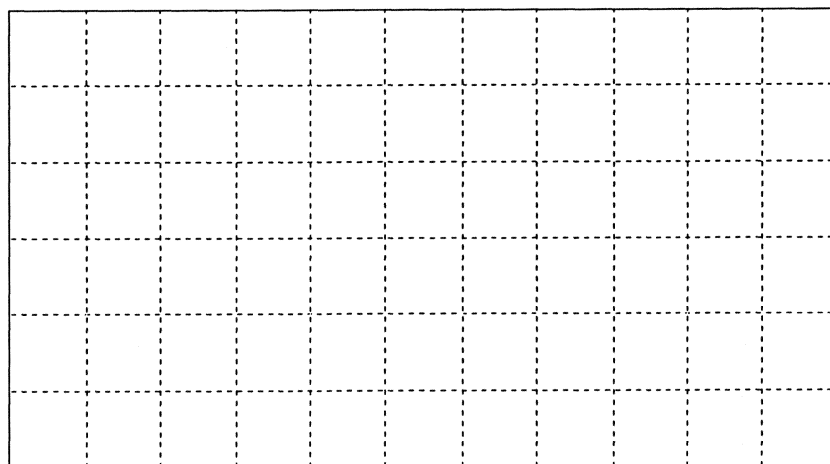
(b) Which of the above figures are equilateral triangles?

Answer : _____



2 marks (59)

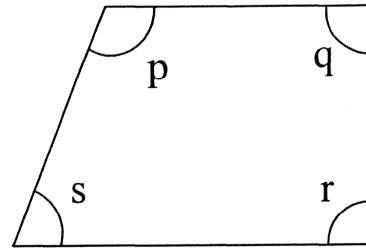
31. Draw a pair of parallel lines below.



1 mark (60)

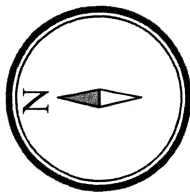
32. Which of the angles in the diagram is **SMALLER THAN** a right angle?

- ☐ A. Angle p ☐ B. Angle q
- ☐ C. Angle r ☐ D. Angle s

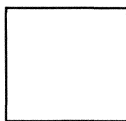
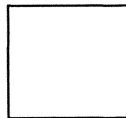


(61)

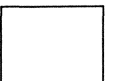
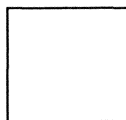
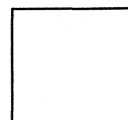
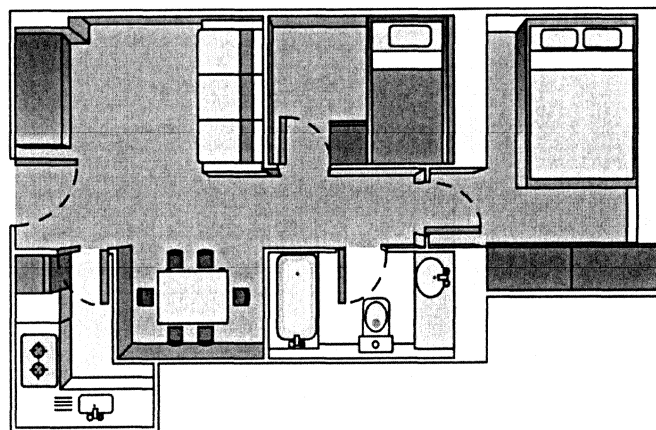
33. The following diagram is the floor plan of Mimi's home. She uses a compass to find the directions. Fill in the boxes with the four directions.



Compass



Door

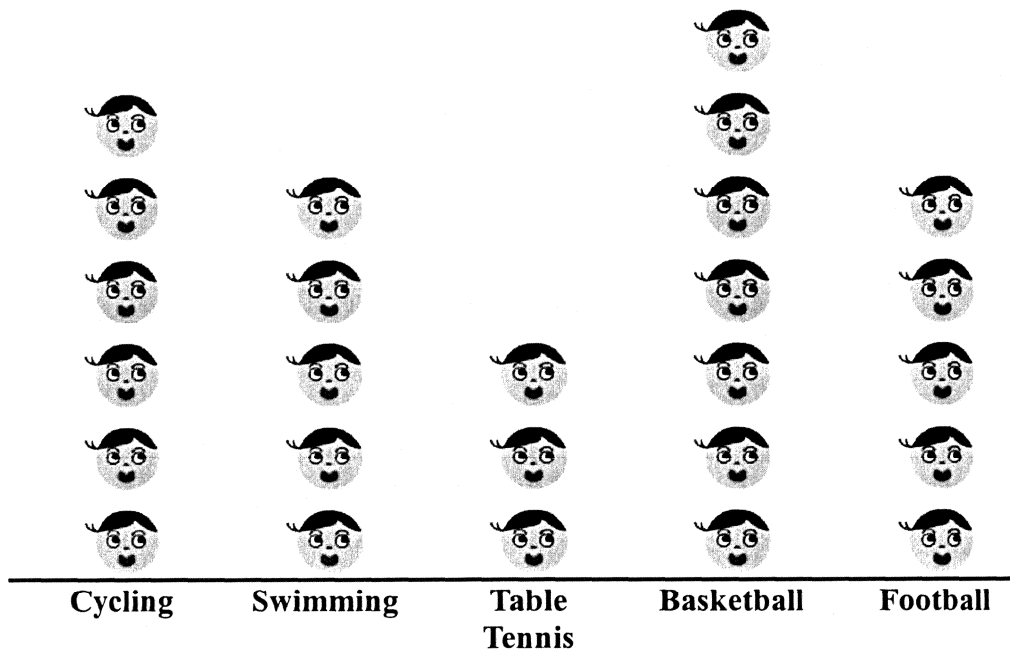


1 mark (62)

34. A team of scouts went to a holiday camp. Lily surveyed the activities that the scouts joined in the camp.
The result was:

Activities the Scouts Joined in the Camp

One  stands for 1 person



- (a) How many activities did the scouts join?
Answer: They joined _____ activities.
- (b) The same number of scouts joined the activities
_____ and _____.
Each activity had _____ scouts.
- (c) The total number of scouts who joined the different
BALL GAMES was _____.

1 mark (63)

1 mark (64)

1 mark (65)

35. This morning we elected our class monitor. Each pupil could vote for only one of the five candidates. The result was:

Election of Monitor

One ☒ stands for 1 vote

Sam	☒	☒	☒	☒					
Mike	☒	☒	☒	☒	☒	☒			
Peter	☒	☒	☒						
Sue	☒	☒	☒	☒	☒	☒	☒	☒	☒
Charles	☒	☒							

- (a) The pupil who was elected as the monitor was _____.
- (b) The monitor elected had _____ votes more than the pupil with the second highest votes.
- (c) The total number of pupils who had voted was _____.

1 mark (66)

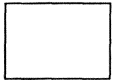
1 mark (67)

1 mark (68)

36. Some new facilities will be built in the school playground. The headmaster listed out 4 facilities for teachers to choose. The result of a survey on the choice of 15 teachers is shown below.

(a) According to the record, complete the following table.

New facilities	Nature Corner	Flower Bed	Fish Pond	Games Corner
Record				
No. of teachers				



1 mark (69)

(b) According to the above data, draw a pictogram.

Survey on Teachers' Choice of New Facilities

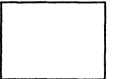
One ☺ stands for 1 person

Nature
Corner

Flower
Bed

Fish
Pond

Games
Corner



1 mark (70)

END OF PAPER