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Education Bureau
Territory-wide System Assessment 2011
Primary 3
Mathematics

Instructions:

1. Stick barcode labels on pages 1, 3, 5, 7 and 9 in the spaces provided.
2. There are 37 questions in this test. Answer all questions.
3. Time allowed is 40 minutes.
4. Write your answers in this Question-Answer Booklet.
5. Do not write in the margins.
6. Use of calculators is not allowed.
7. Do your rough work on the rough work sheet provided.
8. Write your School Code, Class and Class Number in the boxes below.

Instructions for answering questions:

(a) Multiple choice questions – Blacken the circle next to the correct answer with an **HB pencil.** For example:

● A
○ B
○ C
○ D

(b) Questions in which you are asked to "Show your working" – Write your mathematical expressions, answers and statements/conclusions in the spaces provided. There is NO need to show your rough work.

(c) Other types of questions – Answer as required in the spaces provided.

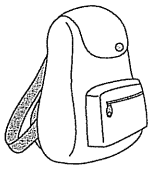
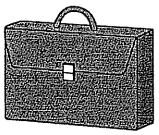
School Code 學校編號 | **Class** 班別 3 | **Class No.** 班號

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

1. In the number 36 002, the digit '6' is in the

   ○ A. tens place.
   ○ B. hundreds place.
   ○ C. thousands place.
   ○ D. ten thousands place.

2. Mr Cheung has done a survey on the sale of three types of bags.

Types of bags			
Number of bags sold	15253	12597	15529

   Arrange the number of bags sold from the largest to the smallest.

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

3. Write the number '71 020' in words.

   Answer: _____

4. 483 + 148 = _____

5. 559 – 168 = _____

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6. Fill in the boxes with the correct numbers.

$$\begin{array}{r} 9\ \ 1\ \ 4 \\ -\ \square\ \square\ \square \\ \hline 3\ \ 7\ \ 2 \end{array}$$

7. $648 \times 3 =$ _____

8. $806 \div 4 =$ _____

9. $384 \div 6 =$ _____

10. $5 \times 83 - 219 =$ _____

11. Mary is joining a charity walk. She can raise 123 dollars for every 1 km she walks. Mary walks for 8 km and raises a total of _____ dollars.

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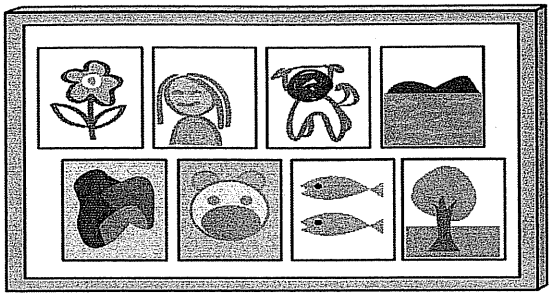
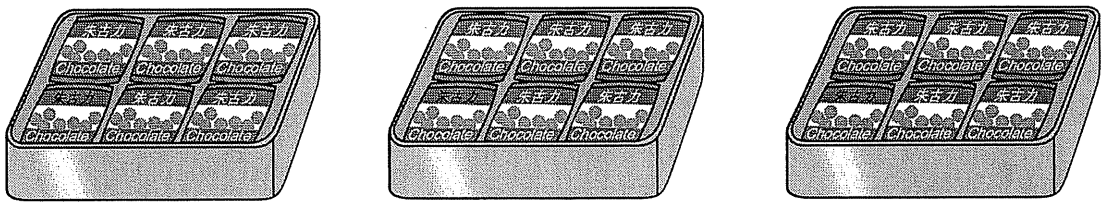
12.



Each display board can hold 8 pictures. Mr Wong wants to put 353 pictures on the boards. How many boards does he need at least?

Answer: At least _____ boards are needed.

13.



There are 6 bags of chocolate in a box. Each bag weighs 75 g. What is the total weight of all chocolate in 3 boxes? (Show your working)

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14.

$429 each set

David wants to buy a set of video games. He saves 165 dollars a week for **two weeks**. How much more money does he need?
(Show your working)

15. The cost of 4 bottles of milk is

_____ dollar(s) and _____ cent(s).

$7.80

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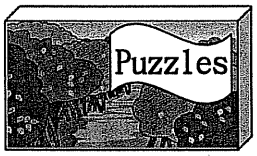
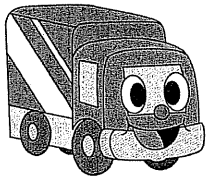
16.



$83

$103



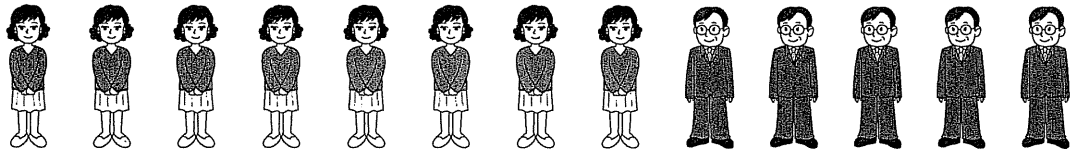
$57

Jenny has 220 dollars.

(a) Jenny buys a toy bear and a toy truck. She spends _____ dollars altogether.

(b) Jenny wants to buy a box of puzzles with the money left. She needs _____ more dollars.

17. In a community centre, there are 8 female teachers and 5 male teachers.



The number of male teachers is $\frac{\square}{\square}$ of the whole.

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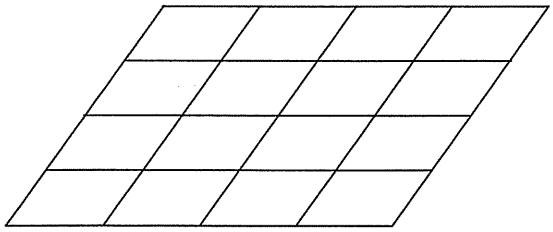
18. The diagram below is made up of parallelograms of the same size. Use a pencil to shade $\frac{4}{16}$ of the whole diagram.



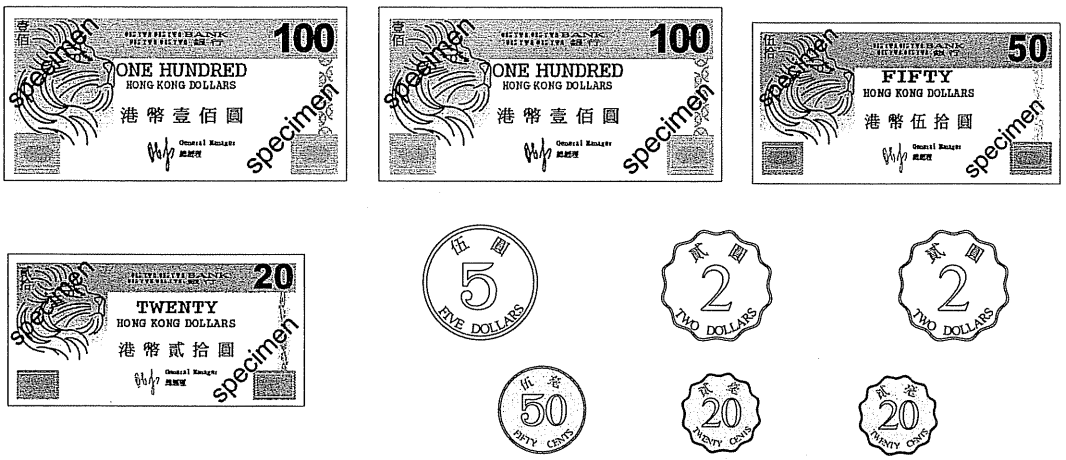
19. Eva eats $\frac{2}{12}$ of the whole bag of sweets.

Helen eats $\frac{3}{12}$ of the whole bag and

Danny eats $\frac{3}{6}$ of the whole bag.

* Eva / Helen / Danny eats the most. (*Circle the answer)

20. Father buys a coat and the amount is shown below:



He pays a total of

_____ dollar(s) and _____ cent(s).

21. (a) 1

can be exchanged for _____

.

(b) 2

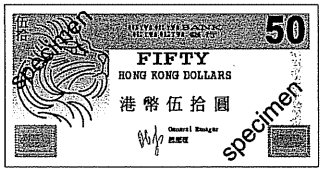
can be exchanged for

_____

.

(c) 20

can be exchanged for

_____ 

.

22. Write down a suitable measuring unit for each of the following.

(a) The runway of Hong Kong International Airport is about 3800 _____ long.

(b) Father's shoe is about 30 _____ long.

(c) A newborn baby weighs about 3 _____.

(d) A pack of candies weighs about 50 _____.

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23. Use the March calendar below to answer the following questions.

March						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		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		

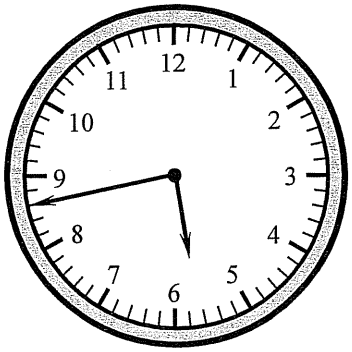
(a) The third Thursday of March is the School Open Day.
The date is the _____ of _____.
(month)

(b) There are 6 days' school holidays.
The holiday will start on the 31st of March. The last day of the holiday is _____.
(day of the week)

(c) This year is a common year.
The 28th of February is _____.
(day of the week)

Go on to the next page

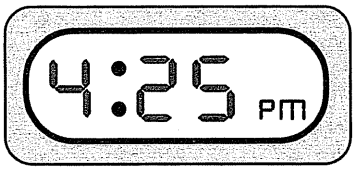
24.



The time shown on the clock is

_____ minutes to _____.

25. Lily goes to the cinema to watch a movie.

(a) The movie starts at 

.

The time is _____ minutes past _____ in the * morning / afternoon. (*Circle the answer)

(b) Lily arrives at the cinema at

.

It is _____ minute(s) earlier than the show time of the movie.

(c) The movie lasts for 1 hour and 30 minutes.
The ending time of the movie, using '24-hour time', is _____ : _____.

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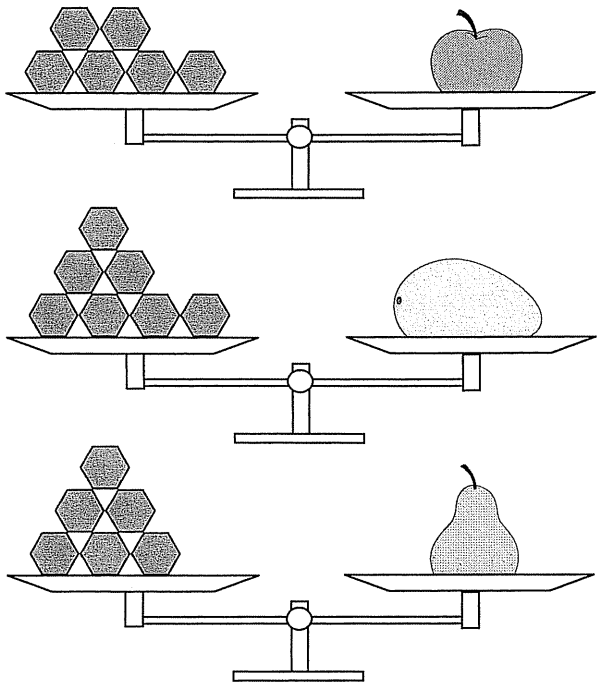
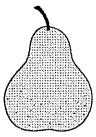
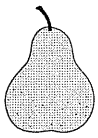
26.

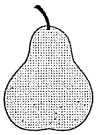


Study the diagrams above. Which of the following is correct?

○ A. is lighter than  .

○ B. and weigh the same.

○ C.  is the heaviest.

○ D. and  weigh the same.

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27.

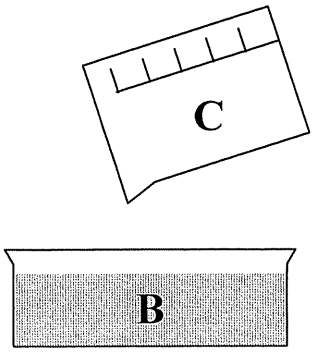

Diagram 1

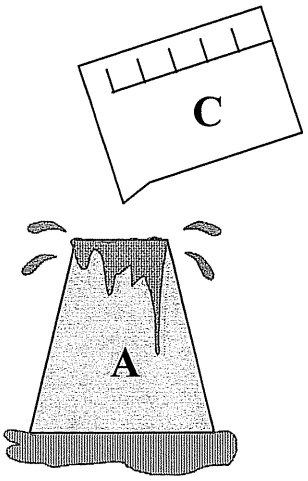

Diagram 2

Diagram 1: Container C is full of water and all the water is poured into Container B.

Diagram 2: Container C is full of water and all the water is poured into Container A.

According to the above information, arrange Containers A, B and C in order, from the smallest capacity to the largest.

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

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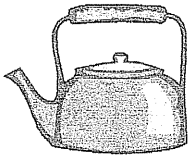
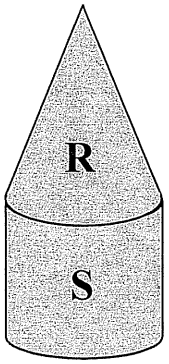
28.  of water can fill up

of water can fill up

of water can fill up

of water can fill up _____

29. The diagram below shows two 3-D shapes **R** and **S**. What is **S** ?



- ○ A. Prism
- ○ B. Cylinder
- ○ C. Pyramid
- ○ D. Cone

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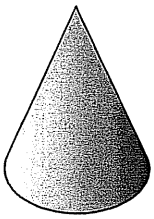
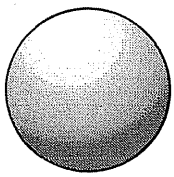
30. Name the following 3-D shapes.

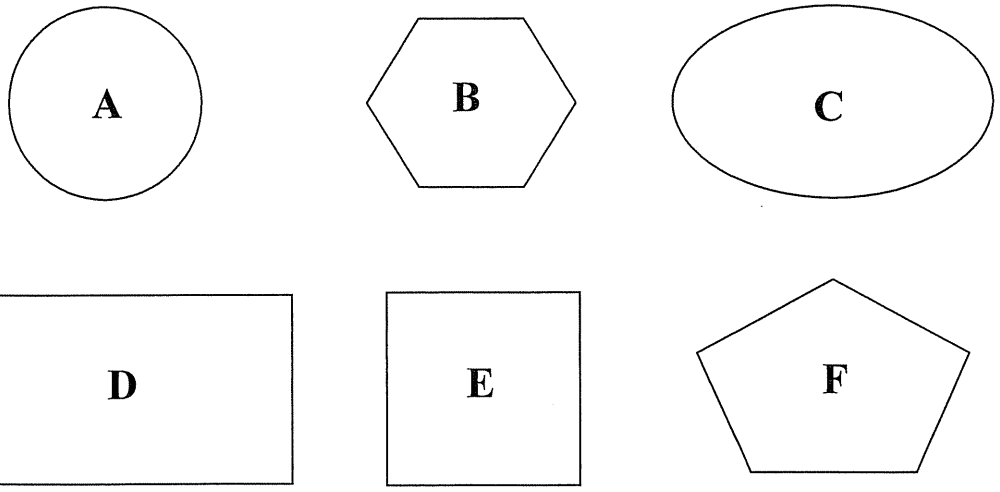
(a) 

Answer: _____

(b) 

Answer: _____

31. Study the 2-D shapes below. Write down all the letters for the answers.



List:

(a) Circle(s): _____

(b) Square(s): _____

(c) Pentagon(s): _____

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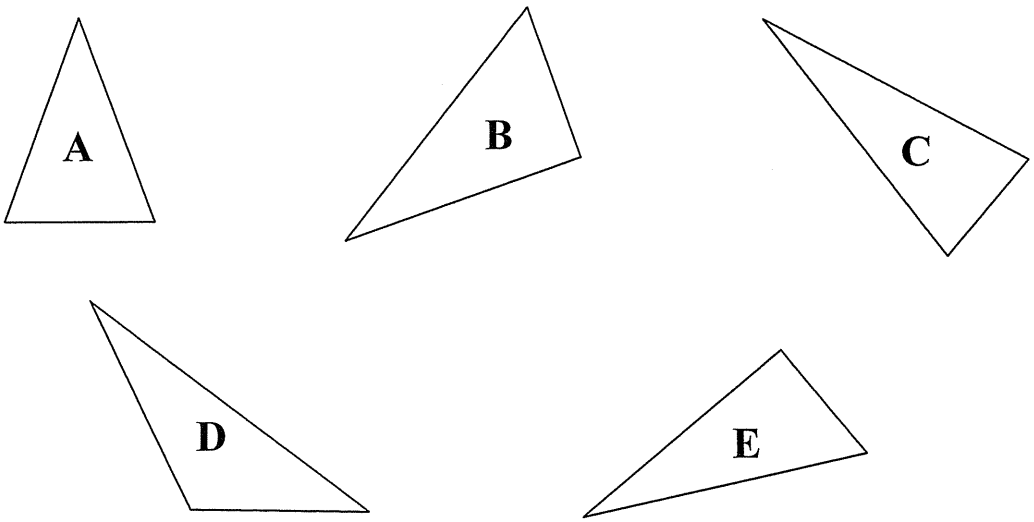
32. Study the 2-D shapes below. Write down all the letters for the answers.

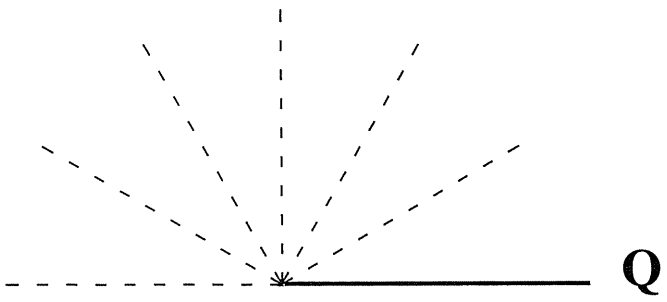


List:

(a) Isosceles triangle(s): _____

(b) Right-angled triangle(s): _____

33. In the figure below, draw along a dotted line to make a right angle with line Q.



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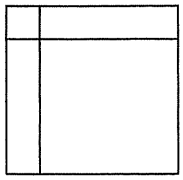
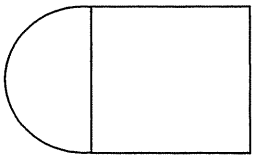
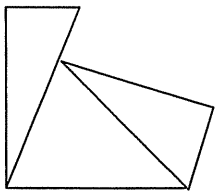
34. Follow the instructions. Write down all the letters for the answers.



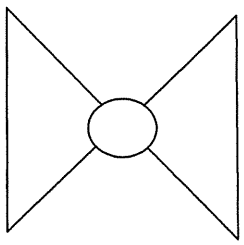
A



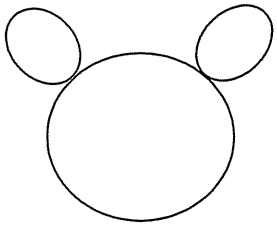
B



C



D



E

List:

(a) Figure(s) having straight lines only: _____

(b) Figure(s) having curves only: _____

(c) Figure(s) having straight lines and curves: _____

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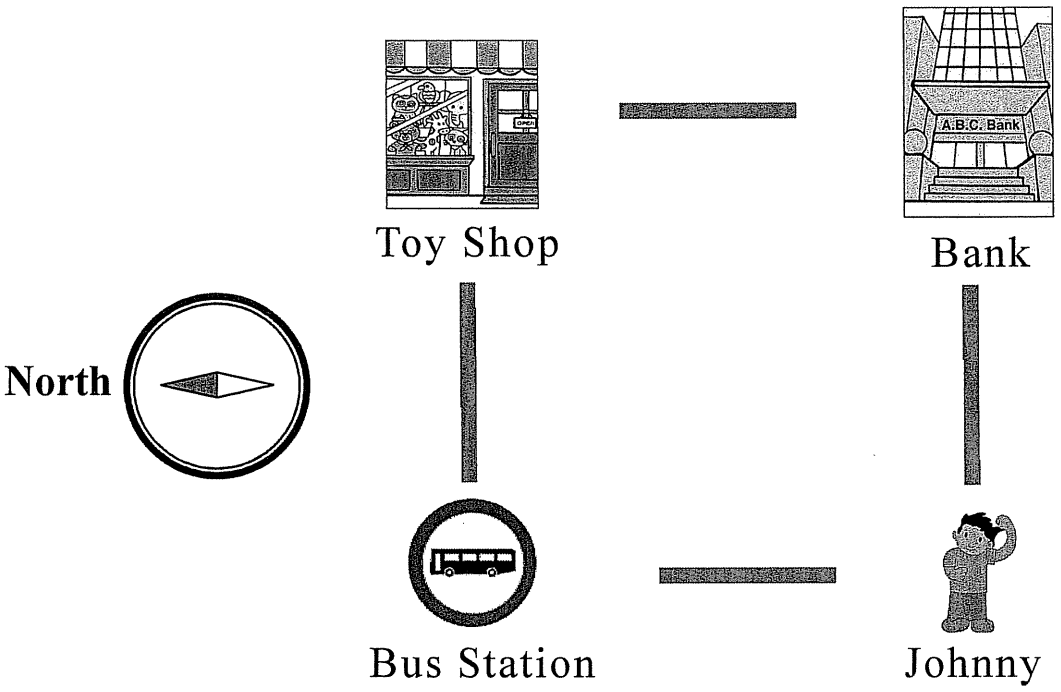
35.



(a) Johnny is to the * east / south / west / north of Bus Station. (*Circle the answer)

(b) Johnny first goes * east / south / west / north to Bank, then turns * east / south / west / north to reach Toy Shop. (*Circle the answer)

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36. Mr Ng has done a survey on pupils taking part in the community cleanliness and personal hygiene activities. The results are as follows:

Number of Pupils Taking Part in the Community Cleanliness and Personal Hygiene Activities

Each stands for 1 pupil

Leaflet Distribution	
Bus Parade	
Healthcare Talk	
Slogan Competition	
Beach Clean-up	

(a) The least popular activity is _____. The number of pupils taking part in this activity is _____.

(b) The number of pupils taking part in Healthcare Talk is _____ * more / less than those taking part in Leaflet Distribution. (*Circle the answer)

(c) Half of the pupils taking part in Slogan Competition receive prizes, that is _____ pupils receiving prizes.

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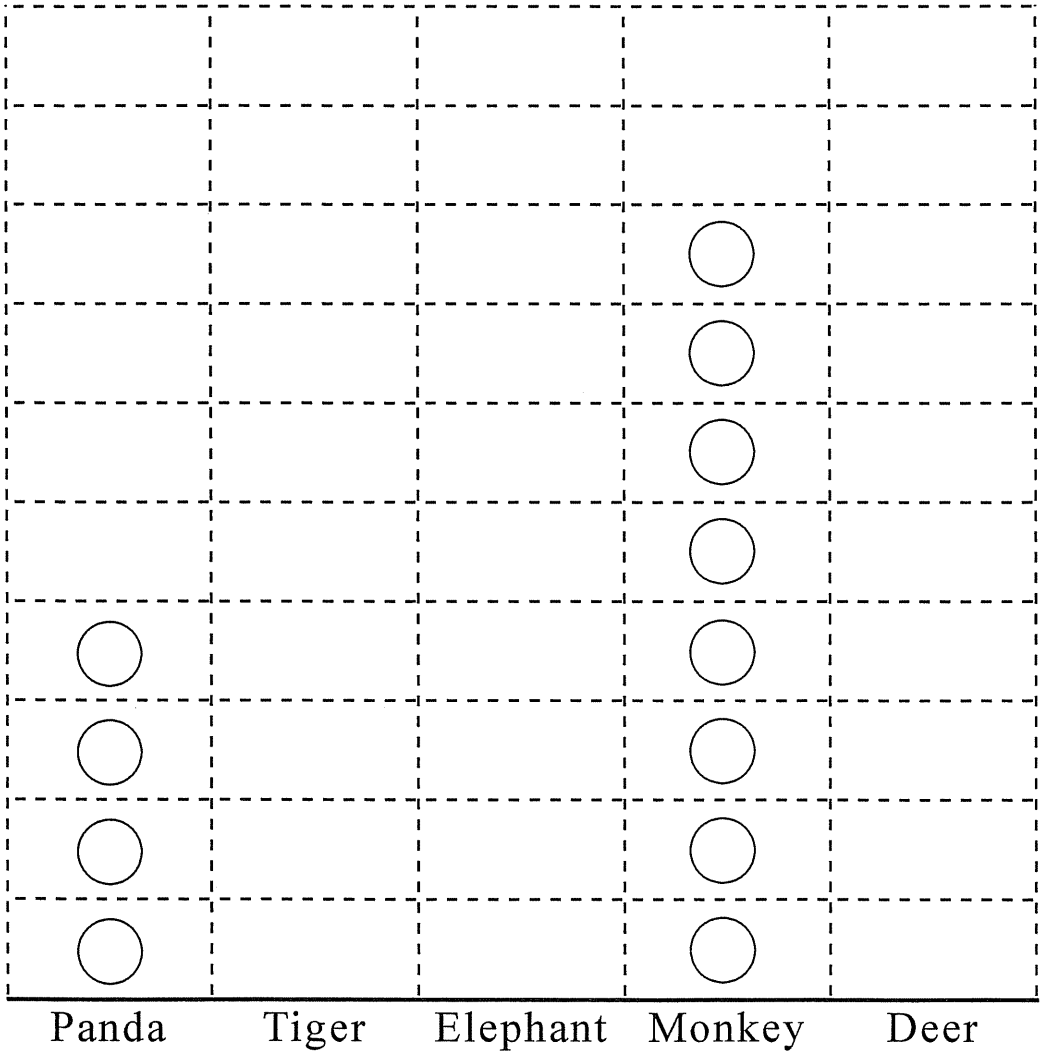
37. Carson counts the number of five different kinds of animals in a zoo. The results are as follows:

Animal	Panda	Tiger	Elephant	Monkey	Deer
Number of animals	4	2	3	8	5

According to the above table, complete the pictogram below and give it a title.

(Title)

Each ◯ stands for 1 animal



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2011-TSA-MATH-3ME1-20